

# Annual Environmental Management Review 2019- 2020

Wetherill Park Resource Recovery Facility

23 February 2021

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## Signature Page

23 February 2021

# Annual Environmental Management Review 2019-2020

Wetherill Park Resource Recovery Facility



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## CONTENTS

### TITLE BLOCK

#### 1. STATEMENT OF COMPLIANCE

#### 2. INTRODUCTION ..... 1

2.1	Objective.....	1
2.2	Scope of Works .....	1
2.3	Environmental Management Plan.....	2

#### 3. LICENSING AND APPROVALS ..... 3

3.1	SSD Development Consent.....	3
3.2	NSW EPA Environmental Protection Licence.....	3
3.3	AEMR Reporting Requirements.....	4
3.4	EIS (Golder Associates, 2017).....	5
3.5	Independent Environmental Audit.....	5

#### 4. SITE MANAGEMENT ..... 6

4.1	Site Description.....	6
4.2	Site Operations Overview .....	6
4.3	Site Improvements.....	7
4.4	Leachate Management .....	7
4.5	Storm Water Management.....	7
4.6	Vegetation Management.....	7
4.7	Odour Management.....	8
4.8	Surrounding Land Uses and Receptors.....	8
4.9	Geology .....	9
4.10	Hydrogeology.....	9
4.11	Local Climate .....	9

#### 5. COMPLAINTS AND ENVIRONMENTAL INCIDENTS ..... 10

5.1	Complaints.....	10
5.2	Environmental Incidents.....	10
5.3	NSW EPA Statutory Penalty Notices .....	10

#### 6. MONITORING PROGRAM..... 11

6.1	Roles and Responsibilities.....	11
6.2	Noise .....	11
6.3	Dust .....	11
6.4	Odour.....	12
6.5	Trade Waste .....	12

#### 7. ASSESSMENT CRITERIA..... 13

7.1	Site Operation Limits - Waste Acceptance.....	13
7.2	Noise Limits .....	13
7.3	Dust .....	13
7.4	Odour.....	13
7.5	Leachate .....	14

#### 8. RESULTS ..... 15

8.1	Site Operation Limits – Waste Acceptance.....	15
8.2	Noise .....	15
	8.2.1 Environmental Noise Assessment .....	15
	8.2.2 Occupational Noise Assessment .....	15
8.3	Dust .....	16
8.4	Odour.....	16
8.5	Trade Waste .....	16




<b>9. CONCLUSIONS .....</b>	<b>17</b>
<b>10. STATEMENT OF LIMITATIONS.....</b>	<b>18</b>

<b>APPENDIX A</b>	<b>TABLE OF COMPLIANCE</b>
<b>APPENDIX B</b>	<b>FIGURES</b>
<b>APPENDIX C</b>	<b>DEVELOPMENT APPROVAL</b>
<b>APPENDIX D</b>	<b>ENVIRONMENTAL PROTECTION LICENCE</b>
<b>APPENDIX E</b>	<b>ENVIRONMENTAL MANAGEMENT PLANS</b>
<b>APPENDIX F</b>	<b>WEATHER DATA</b>
<b>APPENDIX G</b>	<b>ODOUR AUDIT AND DATA</b>
<b>APPENDIX H</b>	<b>NOISE REPORTS</b>
<b>APPENDIX I</b>	<b>TRADE WASTE AGREEMENT AND DATA</b>
<b>APPENDIX J</b>	<b>CONSTRUCTION CERTIFICATION</b>
<b>APPENDIX K</b>	<b>REGULATORY CORRESPONDANCE</b>

**List of Tables**

Table 1.1 Summary of Compliance.....	1
Table 1.2 Summary of Non-Compliances .....	1
Table 3.1 DA (Modification 2) Schedule 2, Condition C8 Requirements .....	4
Table 6.1 Roles and Responsibilities .....	11
Table 7.1 Noise Limits for Wetherill Park RRF .....	13
Table 8.1 Production Summary .....	15

## TITLE BLOCK

Name of Operation	Wetherill Park Resource Recovery Facility
Name of Operator	SUEZ Recycling and Recovery Pty Ltd
Development Consent #	SSD 7267
Name of holder of project approval	SUEZ Recycling and Recovery Pty Ltd
Environmental Protection Licence #	4548
Name of holder of EPA Licence	SUEZ Recycling and Recovery Pty Ltd
Annual Review start date	9 December 2019
Annual Review end date	14 June 2020
<b>I, Mgahl Eather, certify that this audit report is a true and accurate record of the compliance status of the SUEZ Wetherill Park RRF for the period of 9 December 2019 to 14 June 2020 and that I am authorised to make this statement of behalf of SUEZ Recycling and Recovery Pty Ltd.</b>	
Name of authorised reporting officer	Mgahl Eather
Title of authorised reporting officer	Environment & Sustainability Business Partner
Signature of authorised reporting officer	
Date	23.02.2021

## 1. STATEMENT OF COMPLIANCE

The purpose of the Annual Environmental Management Review (AEMR) is to undertake an assessment and review of compliance, environmental impact predictions and the effectiveness of environmental measures required under Development Consent SSD 7267.

The overall assessment of environmental performance for this reporting period demonstrated five non-compliances with the Project Approval. A summary of the AEMR findings is presented in *Tables 1.1* and *1.2*. A comprehensive table with compliance status of Environmental Project Approval conditions is included in *Appendix A*.

**Table 1.1 Summary of Compliance**

Relevant Approval	No. of Conditions Compliant / Not Applicable	No. of Conditions Non-Compliant	No. of Conditions Not Verified /
Development Consent SSD 7267	58	5	0

Non-compliances reported during this AEMR are summarised in *Table 1.2*.

**Table 1.2 Summary of Non-Compliances**

Relevant Approval	Condition	Summary	Where addressed in the AEMR
Development Consent SSD 7267	B4	Trade Waste Agreement 7976 - Aluminium concentration exceeded TWA limits during March 2020.	Section 6.5 8.5 and Appendix I
	B5	First flush detention tank is not installed at the Site. Waste water is captured prior to discharge to sewer, stormwater is discharge via key stone valve.	Section 4.5
	B23 (b)		
	B42 (b)	NSW EPA officers attended Site on 13 January and 18 February 2020 and noted excessive litter at the Site. The NSW EPA subsequently issued SUEZ a notice requesting that the Site be tidied, indicating that the Site was not 'tidy' as the time of inspection.	Section 5.3
C14	EIS and RTS not on website as listed in condition A2. Odour audit and recommendations also not listed on website.	Appendix A	

## 2. INTRODUCTION

Environmental Resources Management Australia Pty Ltd (ERM) was engaged by SUEZ Recycling and Recovery Pty Ltd (SUEZ) to prepare the 2019-2020 Annual Environmental Management Review (AEMR) for the SUEZ Wetherill Park Resource Recovery Facility (the Site). The Site is located at 20 Davis Road, Wetherill Park, New South Wales (NSW), 2164 (Lot 402, DP 603454). The Site location is presented in *Figure 1, Appendix B* and the Site layout is presented in *Figure 2, Appendix B*.

The site was historically approved by Fairfield Council in November 1989 for the operation of a non-putrescible waste transfer station. In the following years numerous development applications were approved, including consent to accept putrescible waste and asbestos material. Site operations ceased temporarily at the facility due to damage caused from a significant fire on 26 January 2019. An approval for redevelopment was subsequently sought from and issued by the New South Department of Planning, Industry and Environment through State Significant Development (SSD) Consent SSD 7267-MOD-2 (the DA) and under the NSW Environmental Planning and Assessment Act 1979. The DA is included in *Appendix C*. The approval allowed for operation under Stage One and Stage Two conditions. The Site would commence under Stage One conditions and the waste acceptance could be increased as part of Stage Two conditions once a number of conditions had been met. Construction undertaken was undertaken in 2019 to allow for the current operational requirements (Stage One), which recommenced on 9 December 2019.

The modified DA permits an increase in the processing capacity of the existing waste transfer station at the Site, to 230,00 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (GSW) (putrescible) and 90,000 tpa of GSW (non-putrescible). However, despite the increased waste volumes of the DA modification, the EPL has not been varied and only permits a maximum of 70,000 tpa of GSW (putrescible), along with various other source separated non-putrescible waste streams. For the purposes of the Site operation, the EPL limits are applicable as the lower of the permitted volumes. The Site accepts and sorts commercial and council wastes, including asbestos waste, and facilitates transfer to an appropriate recycling facility or landfill.

The AEMR is based on information provided by SUEZ. ERM did not conduct a Site visit as part of the preparation of the AEMR and has relied on the accuracy of the information provided by phone interview and subsequent correspondence with Mgahl Eather, Environment and Sustainability Business Partner for SUEZ.

### 2.1 Objective

The objective of this AEMR is to comply with the reporting requirements of Schedule 2, Condition C8 of the DA – Annual Reporting. The specific reporting requirements are described in Section 3.3 of this AEMR.

### 2.2 Scope of Works

This AEMR assesses data collected from the environmental monitoring program which is implemented at the Site to measure and monitor the Site's overall environmental performance and compliance with the DA and Environment Protection Licence (EPL) 4548. This AEMR is for the monitoring period of 9 December 2019 (commencement of operation) to 14 June 2020.

This AEMR is separate to the Independent Environmental Audit (IEA), which is completed within one year of the commencement of operation, and every three years thereafter in accordance with the DA. The AEMR is an annual self-reporting tool to assess and review environmental performance. ERM have assisted SUEZ in the compilation and review of data, but have not performed a detailed independent verification of data collected by other parties and supplied for collation in this AEMR. Further distinctions between the two processes are provided in Sections 3 and 4.

## 2.3 Environmental Management Plan

In order to maintain compliance with the Sites licences and approval documents, SUEZ undertakes a monitoring program for the Site which has been designed on an Annual timeframe. The monitoring program incorporates the monitoring required under the Sites licences and approvals as well as additional data collection which is viewed by SUEZ as beneficial from the perspective of environmental diligence. The data collected under this program allows assessment of the Site's compliance with relevant documents and allows assessment of the Site's overall environmental performance. The management strategies which SUEZ employ to mitigate and monitor a number of environmental issues are described in the Wetherill Park Resource Recovery Facility (RRF) Operational Environmental Management Plan (OEMP). The OEMP specifies the requirements of the monitoring program (described in Section 7), which this AEMR reports on. The OEMP is included in *Appendix E*.

### 3. LICENSING AND APPROVALS

#### 3.1 SSD Development Consent

The Site is regulated through conditions of DA number SSD 7276 (provided in *Appendix C*). The Project Approval was issued in 2017 by the NSW Minister for Planning via the former Department of Planning and Environment (now the Department of Planning, Industry and Environment) and is subject to further approved modifications:

- MOD 1: SSD 7276 – Installation requirement of a meteorological station
- MOD 2: SSD 7276 – Staged construction and increase in the processing capacity of general solid waste (putrescible) from 70,000 to 140,000 tonnes annually (Stage 2 operations). The modification approval 2 was issued in April 2019.

It is noted that the DA MOD 2 increase in processing capacity now exceeds the limits included in the EPL (see Section 3.2). SUEZ has indicated that an EPL variation will be submitted following the completion of construction requirements for Stage 2 operations to align with the new DA waste processing capacities. Until the EPL variation is approved by the EPA, the waste limits included in the EPL take precedence as the lower of the approved processing limits.

The DA includes a number of conditions for both the planning and operational management of the Site. The conditions specify a requirement for the development of a suite of management plans, monitoring requirements, operational guidelines and reporting requirements. The DA criteria are summarised in Section 7 of this report and assessment of the Sites monitoring data against the DA criteria is included in Section 8.

Schedule 2, Condition C8 of the DA specifies that an AEMR be produced for the Site to the satisfaction of the Department of Planning, Industry and Environment. This AEMR has been produced to satisfy Schedule 2, Condition C8 of the DA. The specific requirements listed for inclusion in the AEMR are further described in Section 3.3 below.

The DA also includes a requirement for an Independent Environmental Audit to be completed for the Site 'within one year of the commencement of operation, and every 3 years thereafter'. It should be noted that the Independent Environmental Audit is separate to the AEMR and the completion of this AEMR does not further satisfy Schedule 2, Condition C12 of the DA. Further detail regarding the IEA is described in Section 4 of this AEMR.

#### 3.2 NSW EPA Environmental Protection Licence

The Site is also regulated by the NSW Environment Protection Authority (EPA) under the Protection of the Environment Operations Act 1997 (POEO Act). The NSW EPA administers its regulation via EPL 4548. The EPL includes the minimum conditions under which the Site may operate in order to maintain compliance with the POEO Act.

The EPL contains conditions which are relevant to the AEMR which include those relating the implementation of a monitoring program. No environmental parameters specifically requiring data collection are listed in the EPL, however it is a condition to monitor the wastes received at the Site.

During the reporting period the EPL was altered once:

*Variation Notice 1589768 (17 December 2019):*

- Update Condition L2.1 – Increase of the throughput limit of general solid waste (putrescible) from 10,000 to 70,000 tonnes annually.

The EPL is included in Appendix D.

### 3.3 AEMR Reporting Requirements

This AEMR has been developed as per Schedule C8 (Modification2, 4 April 2019) of the DA. The condition states 'Each year, the applicant must review the environmental performance of the Development to the satisfaction of the Secretary'.

The specific requirements of the Condition and references to the section of the AEMR are presented in *Table 3.1* below:

**Table 3.1 DA (Modification 2) Schedule 2, Condition C8 Requirements**

Condition Requirement	AEMR Section
(a) describe the operations that were carried out in the previous calendar year, and the operations that are proposed to be carried out over the next year;	Section 4.2
(b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of the results against the:	Section 5.1, Section 8, Appendixes F, G, H, I and J
(i) the relevant statutory requirements, limits or performance measures / criteria;	Section 3.4 and Section 7
(ii) requirements of any plan or program required under this approval;	Section 6, Appendix A and E.
(iii) the monitoring results of previous years; and	NA – Site commenced operation during reporting period.
(iv) the relevant predictions in the EIS.	Section 3.4
(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	Section 1 Appendix A
(d) identify any trends in the monitoring data over the life of the Development;	NA – Site commenced operation during reporting period.
(e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and	Section 8
(f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.	Section 4.3

*EIS: Environmental Impact Statement*



### 3.4 EIS (Golder Associates, 2017)

As part of the planning of the Wetherill Park RRF, an Environmental Impact Statement (EIS) was completed by Golder Associates (2017). The EIS included various reviews of the potential environmental impact of the Site based on certain environmental parameters (noise, dust odour etc.). These reviews were used to make predictions as to whether the operation of the Site would have any adverse or unacceptable environmental effects.

The key predictions of the EIS are as follows:

- As the proposal is seeking to make predominantly internal amendments to an RRF within an established industrial estate, it is considered it will have a negligible impact upon flora and fauna;
- Odour levels are not predicted to exceed the EPA criterion at residential locations;
- Dust will be mitigated such that the potential impact of dust from operation of the Site is assessed as low;
- The facility operating at full capacity under neutral weather conditions will not exceed the relevant noise criteria at residences in proximity to the site;
- The Site would have a low impact upon the safety and efficiency of the surrounding road network and no additional infrastructure to ameliorate potential traffic and safety impacts are required; and
- The visual impact is considered low. The visible features of the Proposal will be commensurate with the visual character of the Wetherill Park Resource Recovery Facility site and surrounding industrial area.

The assessment criteria which has been adopted to screen the data collected during the reporting period (refer to *Section 8*) is largely aimed at verifying the key predictions made during the EIS. Exceedances of the assessment criteria may indicate that either the predictions of the EIS were not accurate, or the Site is not being operated within the requirements of the draft compilation of mitigation measures which was relied during the EIS to make predictions.

### 3.5 Independent Environmental Audit

Schedule C12 of the DA requires an Independent Environmental Audit (IEA) within one year of the date of the commencement of operations under DA SSD 7267 (9 December 2019) and every three years thereafter. Given that the operation of the facility commenced less than one year prior to the drafting of this AEMR, the first IEA has not been required. ERM understands that SUEZ plans to commission an IEA within the required timeframe.

## 4. SITE MANAGEMENT

### 4.1 Site Description

The Site is located at 20 Davis Road, Wetherill Park, within the Fairfield Local Government Area (LGA) in the Greater Western Sydney region. The Wetherill Park RRF is strategically located between the Eastern Creek and Kemps Creek landfill sites, providing processing and transfer facilities to support the operation of these sites. Wetherill Park Resource Recovery Facility is one of eight waste transfer station facilities operated by SUEZ in the Sydney Metropolitan Area. A combined entrance and exit for both commercial and domestic vehicles off Davis Road is located in the north eastern corner of the Site. The infrastructure at the Site comprises a weighbridge, office, parking areas and WTS. The Site layout is presented in *Figure 2, Appendix B*.

According to the EIS, the site was historically approved by Fairfield Council in November 1989 for the operation of a non-putrescible waste transfer station. In the following years numerous development applications were approved, including consent to accept putrescible waste and asbestos material. Site operations ceased temporarily at the facility due to damage caused from a significant fire on 26 January 2019, with construction undertaken to allow for the current operational requirements, which recommenced on 9 December 2019.

### 4.2 Site Operations Overview

The Site is approved under the DA to receive and process the following quantities of various waste streams following staged development (described in Section 1) as follows:

Stage 1 operations:

- < 90,000 tpa of GSW (non-putrescible);
- < 70,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of asbestos waste per week.

Stage 2 operations:

- < 90,000 tpa of GSW (non-putrescible);
- < 140,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of asbestos waste per week.

Currently the Site is under Stage 1 operation limits. As outlined in Section 3.2, it is understood that an EPL variation will be submitted to align with the approved Stage 2 operations processing capacity.

The Site is currently permitted to operate 24 hours per day Monday to Sunday (unrestricted hours) under the DA. General public access to the RRF is limited to 5am to 4.30pm Weekdays, and 6am to 1pm Saturday to Sunday. All waste transport vehicles enter the Site via the incoming weighbridge. The weighbridge operator is responsible for recording all details of the waste accepted onto the Site and directing waste streams to the correct section of the Site for processing. Within the waste transfer station, vehicles unload the waste into designated areas onto the floor, keeping putrescible and non-putrescible waste separate. Small vehicles unloading outside of the waste transfer station building are required to source separate recyclables and recoverables (paper/cardboard/plastics/metals/timber/) into the bins provided. Following sorting and processing, residual waste which cannot be recovered and asbestos waste is transferred to SUEZ operated disposal facilities, such as the Lucas Heights Resource Recovery Park and the Elizabeth Drive Landfill.

The Site currently maintains a stock of chemicals which are used for various purposes during routine Site operations. Of note are the quantities of chemicals which are stored above ground on the Site within bunded storage sheds, which include diesel (~2,500 litres (L)), hydraulic oil fluid (~205 L), sodium hydroxide (~100 L) and gas cylinders (12 units).

ERM understands that operations at the Site will likely transition to Stage 2 operations during 2020/2021 and the will there increase in waste processing capacity.

### 4.3 Site Improvements

The Site underwent significant development works from 2018-December 2019. The construction activities associated with the development are excluded from this AEMR. As the construction was largely complete prior to the commencement of operations, significant improvements were not required during the reporting period. Upgrades which were undertaken at the Site were required under the DA, which included:

- Construction of additional pavement and hardstand areas for additional truck and trailer parking;
- Sealing the concrete floor of the receival hall with polyurethane coating;
- Installation of deodoriser system;
- Fire safety system upgrade; and
- Installation of temporary perimeter access road.

Construction certifications and equipment installation certificates are included in Appendix J.

### 4.4 Leachate Management

The Site activities generate insignificant volumes of leachate through the transfer station. Water that may have leached through waste is contained and treated, to ensure it does not impact water sources off-site. SUEZ manages leachate in accordance with the requirements set out in the OEMP and the Leachate Management Standard Operating Procedure (SOP) SOP036.

Internal sealed areas of the site drain any leachate at the Site though a collection or separator pit, then on to be contained and treated within the trade waste treatment system. The leachate is treated so that it complies with the Site's Sydney Water Trade Waste Agreement 7976 and directed off-site to the sewer system.

### 4.5 Storm Water Management

The primary objective of water management on Site is to reduce any potential impacts of the facility to the surrounding water courses or groundwater. SUEZ manages water on site in accordance with the Water Management SOP (SOP069). It is noted that the EIS predicted that the potential '*water impacts of the Proposal are assessed as minor*'.

Runoff from paved areas external to the waste transfer station and from roof guttering is directed to drains which direct storm water offsite. All storm water from the paved areas and roof guttering is maintained as separate from the leachate management system to prevent cross-contamination of the runoff prior to off-site discharge. The point of discharge is fitted with a key stone shut off valve which can be closed to prevent discharge in the event of a spill.

During ERMs review of DA conditions, it was noted that Condition B5 includes a requirement for a first flush system to be installed at the Site. The first flush system would capture an initial portion of rainfall as waste, rather than freely discharging all stormwater through the key stone valve. SUEZ has advised that a first flush system is not in place at the Site the requirement is an administrative error which should be removed.

### 4.6 Vegetation Management

The Site is predominately sealed by concrete and hardstands, however landscaped grassed areas with tree/shrub vegetation exists across the Site. Landscaped areas are maintained in accordance with the SUEZ document *Site Maintenance – Transfer Stations SOP047 and Site Maintenance – Infrastructure SOP041*.

## 4.7 Odour Management

SUEZ has developed an Odour Management Plan (OMP) in accordance with the conditions of the DA. The OMP is included in Appendix E. The objective of the Odour Management Plan (OMP) is to ensure that SUEZ is operating the RRF in a manner that does not cause or permit the emission of any offensive odour beyond the boundary of the site. The OMP identifies a number of odour sources at the Site and specifies mitigation measures to reduce the impact of these sources. The key odour mitigations at the Site are enclosed waste receival bays, internal waste processing under negative pressure and a deodoriser system installed at key odour sources.

The OMP specifies weekly odour monitoring and inspection of control mechanisms to be conducted by SUEZ, which aims to ensure that odour controls are effective. The odour monitoring program is conducted to cover the Site, and if odour is detected efforts are made to determine the specific source of odour.

The EIS undertook modelling to assess the Sites potential impact on offsite areas from an odour perspective and concluded that the Site would be unlikely to emit odours which exceed the EPA criterion at offsite residential areas. An Odour Audit was also undertaken by ERM within the reporting period for assessment of operational odour generation against the EIS predictions. The outcome of the assessment was a number of recommendations for improvement of odour management. The Odour Audit and recommendations register are included in Appendix G, the scope and outcomes of the Audit are described in more detail in Sections 6.4 and 8.4.

An Odour Audit was conducted by ERM during the reporting period in accordance with Condition B16 of the DA. The purpose of the Odour Audit was to validate the predictions of the EIS. A key outcome of the Odour Audit was a number of recommendations which were made to improve the performance of the Site with regard to odour. According to SUEZ, all recommendations of the Odour Audit were implemented in full. This was communicated to the Department of Planning, Industry and Environment on 20 May 2020. Both the ERM Odour Audit and the record of actions taken to address the recommendations are included in Appendix G.

## 4.8 Surrounding Land Uses and Receptors

Adjacent and sensitive land uses in the vicinity of the site are detailed in Tables 5.1 and Table 5.2 below.

**Table 4.1 Adjacent Land Use**

Direction	Distance from Site boundary	Land Use
North	Adjacent	Industrial estate
East	Adjacent	Industrial estate
South	Adjacent	Industrial estate / Former landfill
West	Adjacent	Bushland/ Power easement

**Table 4.2 Nearest Sensitive Land Use**

Direction	Distance from Site boundary	Sensitive land use
North	340 m	Bushland followed by Prospect Reservoir (>800 m)
South	~1,500 m	Residential – Wetherill Park
East	~2,000 m	Aspect Western Sydney School
West	~1,500 m	Residential - Wetherill Park

## 4.9 Geology

The Penrith 1:100 000 Geological Sheet (Clark and Jones 1991) refers to the geology beneath the Site as Bringelly shale, carbonaceous claystone, claystone, laminate, fine to medium-grained lithic sandstone and rare coal and tuff

## 4.10 Hydrogeology

There are currently no groundwater monitoring wells installed at the Site and no groundwater for the Site is available. A search of ground water bores through the Australian Groundwater Explorer (Bureau of Meteorology (BOM)) was performed on 29 July 2020. The search indicated there were three licensed groundwater bores located within 500m of the Site. The results of the search are summarised in Table 5.3 below.

**Table 4.3 Summary of Groundwater Bore Information**

Bore ID	Distance from Site boundary	Depth (m)	Purpose
GW103822	200m to southeast	9 m	Monitoring
GW103823	200m to southeast	15 m	Monitoring
GW103824	200m to southeast	15 m	Monitoring

## 4.11 Local Climate

Meteorological data for the Site was obtained from the weather station located on site. Data collected during the 2019/2020 annual monitoring period, including temperature, wind speed, humidity and precipitation is included in *Appendix F*.

According to the onsite weather station, during the 2019/2020 recorded period, the minimum and maximum recorded average daily temperatures at the site were 4.2 degrees Celsius (°C) (11 May 2020) and 46.0 °C (4 January 2020) respectively. The rain total was 350.9 mm from 6 December 2019 – 14 June 2020 with the maximum daily rainfall recorded on 10 February 2020 (97.3 mm).

## 5. COMPLAINTS AND ENVIRONMENTAL INCIDENTS

### 5.1 Complaints

SUEZ maintains a register of all complaints received through the SUEZ Integrated Management System (SIMS). SUEZ investigates and responds to complaints received in accordance with the Environmental Complaints Management SOP (SOP066). A free call telephone line through SUEZ's customer Service Department operates 24 hours a day, 7 days per week. SUEZ may also be referred complaints through the NSW EPA complaint line, which are also recorded in the SIMS as required.

SUEZ did not receive any complaints during the reporting period.

### 5.2 Environmental Incidents

According to SUEZ, there have not been any events which were defined as environmental incidents since the Site establishment. The DA refers to an incident a 'set of circumstances causing or threatening material harm to the environment, and/or an exceedance with the limits of performance criteria in this consent'. All environmental incidents are to be recorded in accordance with the Incident Reporting and Corrective Action Procedure. SUEZ maintains a register of all environmental incidents through the SUEZ SIMS. Based on information provided to ERM by SUEZ, no such event occurred at the Site or as a result of Site activities during the 2019/20 reporting period.

Although no reportable incidents occurred during the reporting period, two minor fires did occur at the facility during operations related to ignition of waste, in each event the minor fire was extinguished appropriately and in a timely manner and no environmental harm or damage to equipment was sustained.

### 5.3 NSW EPA Statutory Penalty Notices

According to the NSW EPA POEO register, the Site (as regulated under EPL 4548) did not receive any penalty notices during the reporting period.

The NSW EPA did attend the Site on 13 January and 18 February 2020 and noted excessive litter. The litter appeared to be generated at the receival bays and bailing plant. The NSW EPA requested that all waste movements be undertaken within covered areas and the Site be cleaned. According to SUEZ all actions were taken and the NSW EPA was satisfied with the response. The correspondence with the NSW EPA regarding the issues is contained in Appendix K.

## 6. MONITORING PROGRAM

### 6.1 Roles and Responsibilities

Table 6.1 below identifies the roles and responsibilities of all parties involved in the implementation of the environmental monitoring requirements.

**Table 6.1 Roles and Responsibilities**

Role	Responsible Party for Monitoring
Authority	NSW EPA/ Department of Planning and Environment
Dust Monitoring	Third party consultant - TBA
Noise Monitoring	Hibbs and Associates Pty Ltd
Odour Monitoring	SUEZ (Routine Monitoring)/ERM (Odour Audit)
Water Monitoring	SUEZ
AEMR Preparation	ERM

Note that ERM has not been responsible for the collection of any of the monitoring data which has been included in this report, with the exception of the Odour Audit. All data was provided by SUEZ and therefore ERM is unable to comment on the appropriateness of sample collection, storage and transport techniques. Laboratory analysis for water samples is conducted by ALS Laboratories, which is a NATA accredited laboratory.

### 6.2 Noise

Noise limits for the Site are prescribed in the DA (SSD 7267) for locations at residential receivers. Although the DA does not specify a frequency for noise monitoring to be undertaken, the Site OEMP includes noise management strategies including that “*Independent noise monitoring will be conducted annually.*”

Hibbs and Associates Pty Ltd were engaged to conduct the 2020 Environmental Noise Assessment at the Site. Hibbs and Associates completed direct noise measurements on 1 June 2020 to validate EIS noise modelling of the Site under normal operations.

Additionally, an Occupational Noise Assessment was completed on 4 June 2020 by Hibbs and Associates Pty Ltd in order to assess noise exposure for employees at the Site.

### 6.3 Dust

The management of air quality and dust is conducted in accordance with the requirements of the Site Maintenance – Infrastructure Facilities (SOP041) and Site Maintenance – Transfer Station (SOP047) SOPs. The DA states that “*the Applicant must implement all measures to minimise dust generated during construction and operation of the Development*”. The DA does not include a specific requirement for dust monitoring to be undertaken, however the effectiveness of air quality mitigation measures outlined within the DA, including dust suppression sprays, are evaluated weekly through the Wetherill Park RRF Weekly Inspection checklist (FORM26.4.47). Potential dust generation activities at the Site are controlled by maintaining the roads in good conditions, road sweeping and cleaning with a bob cat.

The OEMP states that SUEZ will engage a 3rd party to monitor air and dust quality to demonstrate that dust is not affecting neighbours and that dust levels are appropriate for occupational health.



## 6.4 Odour

SUEZ conducts the following odour monitoring program as per the OEMP:

- weekly checklist of controls on potential odour sources;
- weekly assessment of the Deodoriser Dust Suppression System;
- weekly odour monitoring of any unusual level of odour at the following specified onsite locations:
  - Davis Road cul-de-sac;
  - Inbound weighbridge;
  - Outbound weighbridge;
  - Trade waste shed;
  - C&I entry door;
  - General public entry door;
  - SUEZ Baling Services;
  - Asbestos bin area;
  - Tipping floor exit door;
  - Tunnel entry; and
  - Truck Parking

The OMP is included in *Appendix E*.

## 6.5 Trade Waste

Leachate and runoff captured within the waste transfer station is considered potentially contaminated and is directed to and captured within the trade waste treatment system. The wastewater is treated and discharged to the sewer under the Trade Waste Agreement (7976) with Sydney Water. The treated waste water is sampled for quality monitoring purposes. Waste water samples are analysed for pH, temperature, suspended solids, sulfate (as SO<sub>4</sub>), aluminium, iron, zinc, ammonia, biochemical oxygen demand (BOD) and oil and grease.

During this reporting period three samples of the waste water were taken on 17 December 2019, 4 March 2020, 20 March 2020 and 22 April 2020.

## 7. ASSESSMENT CRITERIA

### 7.1 Site Operation Limits - Waste Acceptance

The Site is licenced under the DA to receive and process the following quantities of various waste streams Stage 1 operations as follows:

- < 90,000 tpa of GSW (non-putrescible);
- < 70,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of Asbestos waste per week.

The Applicant must not store on site more than 573 m<sup>3</sup> or 402.5 tonnes of GSW (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA. In addition, GSW (putrescible) must not be stored at the Site for more than 24 hour from the time of receipt.

### 7.2 Noise Limits

Noise limits for the Site are set out in the DA, which states that noise generated at the Site during operation does not exceed the noise limits summarised below in Table 7.1.

**Table 7.1 Noise Limits for Wetherill Park RRF**

Location	Day	Evening	Night	
	L <sub>Aeq</sub> (15 minute) dB (A)	L <sub>Aeq</sub> (15 minute) dB (A)	L <sub>Aeq</sub> (15 minute) dB (A)	LA1 (1 minute)
All residential receivers	35	35	35	45

### 7.3 Dust

Both the DA and EPL do not specify any specific dust assessment criteria and required monitoring frequency, however the DA states that “*the Applicant must implement all measures to minimise dust generated during construction and operation of the Development*”.

Mitigation measures include the use of dust suppression sprays over the vehicle entry and exit, and where waste is being tipped and processed. The Wetherill Park RRF Weekly Inspection checklist is completed weekly to ensure dust suppression systems and dust measures are working effectively.

Although no dust data is available for the reporting period, the NSW EPA (2016) Approved Method for the Modelling and Assessment of Air Pollutants in New South Wales specify an annual target of an average of 4.0 g/m<sup>2</sup>/month for total insoluble matter. Since the intention of the NSW EPA (2016) criteria is to be measured over an annual period. Therefore a rolling annual average is calculated and screened.

### 7.4 Odour

The DA and EPL do not specify any specific odour assessment criteria, however both refer to Section 129 of the POEO Act 1997, that the Site must not cause or permit the emission of any offensive odour. The EPL goes onto state that the emission of an offensive odour is defensible if the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

The weekly checklist of potential odour source controls at the Site as well as odour sources included in the OMP are designed to ensure that the required odour minimisation controls are in place and effective. The OMP does not specify any specific thresholds, rather actions to be taken under the following conditions:

- if during the weekly checklist for inspections of controls are not in place as required by the OMP, then the controls are to be reinstated as soon as practicable;
- if an unusual level of odour is detected during the weekly inspections, the Site Manager should be notified so that the source can be determined and repaired; and
- external odour monitoring to be completed proactively, during adverse weather conditions or in response to an odour complaint

## 7.5 Leachate

Although wastewater, under the Trade Waste Agreement, is continuously discharged via the trade waste treatment system into the sewer, regular monitoring is undertaken for water quality purposes. Acceptance standards for industrial customers is summarised below in Table 7.2.

**Table 7.2: Trade wastewater acceptance standards**

Parameter	Unit	Acceptance Standard
Suspended Solids	mg/L	600
Sulfate	mg/L	2000
Aluminium	mg/L	100
Iron	mg/L	50
Zinc	mg/L	5
Ammonia	mg/L	100
Oil and Grease	mg/L	110
Biochemical Oxygen Demand	mg/L	-
pH	pH Unit	7-10

## 8. RESULTS

### 8.1 Site Operation Limits – Waste Acceptance

SUEZ has provided data for the material accepted by the Site under various waste streams. The annual data provided to ERM by SUEZ is included in *Table 8.1* below.

**Table 8.1 Production Summary**

Material	Approved limit (EPL & PA)	Previous reporting period (actual)	This reporting period (actual)
GSW (non-putrescible)	<90,000 tpa	0 t	108,525.14 t
GSW (putrescible)	<70,000 tpa	0 t	14,982.44 t
Asbestos Waste	<10 m <sup>3</sup> /week	0 t	187.52 t (max weekly intake 9.98 t)

The data provided by SUEZ indicates that the volumes and solid waste and green waste were under the EPL limits for the reporting period. As the volumes of liquid waste permitted were presented as an annual period rather than a per day volume as per the EPL conditions, ERM could not confirm that the conditions were complied with every day of the reporting period, however SUEZ has indicated that the limits were not exceeded.

## 8.2 Noise

### 8.2.1 Environmental Noise Assessment

An Environmental Noise Assessment was completed in June 2020 by Hibbs and Associates Pty Ltd. The Hibbs report for the works is included in Appendix H. Direct noise measurements were undertaken at various locations within the Site under normal operating conditions. Noise modelling was undertaken and it was reported that noise emission's from the Site were below the Noise Policy for Industry's recommended noise project trigger levels.

Although the DA states that noise generated at the Site during operation does not exceed the specified noise limits at residential receivers, it must be noted that the facility is surrounded by industrial and commercial premises and that the nearest residential receivers are greater than 1,500 m in distance.

Given the results of the noise assessment and taking into consideration, the activities of the surrounding premises and the distance to the nearest residential receivers, it is not expected that significant noise issues exist at the Site impacting residential receivers. In addition, no noise complaints have been received by SUEZ.

The noise assessment reported that the Site "need not implement noise mitigation to reduce environmental noise levels". However it was recommended that the use of broad-band non-tonal reverse alarms on their mobile plant on Site may reduce noise levels at the Site. It is noted that the installation of broadband reserving alarms is required under Condition B37 of the DA. SUEZ have reported that mobile plant operating on the Site have the recommended reverse alarms installed.

### 8.2.2 Occupational Noise Assessment

An Occupational Noise Assessment was completed on 4 June 2020 by Hibbs and Associates Pty Ltd in order to assess noise exposure for employees at the Site. The Hibbs report for the works is included in Appendix H. The results of the assessment indicated that the Supervisor and the Operator working within the SEG are likely to be exposed to noise levels in excess of the exposure standard.

On the basis on the exceedances of exposure limits, Hibbs made a number of recommendations for noise mitigation. Hibbs concluded that “effective implementation of these recommendations will ensure that SUEZ Recycling and Recovery manage the risk of exposure to occupational noise for the assessed workgroups and processes so far as is reasonably practicable in line with the obligations of the WHS Regulations and relevant industry guidelines.” According to SUEZ all recommendations have been implemented in full. A record of the actions taken to address the recommendations is included in Appendix H.

### 8.3 Dust

As discussed in Section 7.3, both the DA and EPL do not specify any specific dust assessment criteria and required monitoring frequency. However, dust mitigation measures are undertaken at the Site including the operation of a dust suppression spray system and six-monthly brush down of interior walls. SUEZ reports that the required installations of the DA in relation to dust management, have been completed, as detailed in Appendix A. SUEZ did not receive any dust complaints in the reporting period.

### 8.4 Odour

As discussed in Section 4.7, ERM completed an Odour Audit for the Site during the reporting period. The Odour Audit included two days of attended monitoring of the Site on 20 and 21 February 2020. ERM concluded that the odour being generated at the Site was largely in line with the EIS predictions, however, a number of recommendations were made to improve the Sites performance with respect to odour.

Weekly odour control checklists were completed by SUEZ for 22 weeks of the 27 operational weeks included in the reporting period. The completed checklists are included in Appendix G. The observations made during the inspections indicate that minor to moderate odours were present onsite during operation, which were primarily generated at the various locations where movements of waste occurred. SUEZ have indicated that required controls were generally in place and effective.

### 8.5 Trade Waste

Four samples of wastewater from within the wastewater treatment system were taken on 19 December 2019, 4 March 2020, 20 March 2020 and 22 April 2020 prior to discharge to trade waste. The results of the two samples taken in March 2020, indicated the presence of elevated levels of aluminium. In response to the exceedance, the wastewater treatment system was emptied and cleaned thoroughly. Wastewater sample results following the cleaning event collected on 22 April 2020 reported no exceedances of the concentration standards. SUEZ reported the exceedance and the follow-up remediation activity to Sydney Water and the issue is considered to be closed out.

The laboratory certificates of analysis for the first flush system sampling is included in Appendix I.

## 9. CONCLUSIONS

This AEMR has assessed all available data collected from the environmental monitoring program during the reporting period and assessed the Site's overall environmental performance and compliance with the EPL and the DA. The reporting period has been shortened for this AEMR as operations commenced at the Site following re-development during the timeframe. The available data has been collected to satisfy EPL and PA requirements and is generally sufficient to satisfy the DA and EPL requirements for the reporting period.

Based on the data reviewed, the following conclusions have been drawn regarding the 2019/2020 reporting period:

- No community complaints were received regarding the Sites operations.
- No regulatory notices were received by the Site, although the NSW EPA did attend the Site on two occasions and noted litter at the Site being generated at the receival bays and bailing plant. The NSW EPA requested that all waste movements be undertaken within covered areas and the Site be cleaned. All required actions were undertaken by SUEZ.
- No environmental incidents occurred at the Site, however two minor fires occurs which were rapidly extinguished.
- The Site received waste within the Stage One approved limits;
- An Environmental Noise Assessment was completed by Hibbs and Associates Pty Ltd which determined that the Site was complying with EPL limits.
- Dust was not monitored at the Site during the reporting period, however SUEZ plan to commence monitoring in the next reporting period. There was no indication that dust was being generated at the Site based on information provided by SUEZ.
- An Odour Audit was completed by ERM to assess the Sites performance against the EIS predictions. The Audit concluded that the odour at the Site was largely as predicted, however a number of recommendations were made to improve odour management. Suez has implemented all recommendations at the Site.
- Exceedances of the Trade Waste Agreement limits for aluminium were exceeded on two occasions in March 2020. The holding tanks were cleaned and subsequent discharges were compliant.
- The EIS and DA require a first flush detention tank to be installed at the Site, however a key stone value is currently in place.

Schedule 2, Condition C8 of the DA – Annual Reporting for the 2019-2020 reporting period (9 December 2019 to 14 June 2020). Based on information provided by SUEZ, the Site is generally compliant with the DA and EPL, with non-compliances reported against conditions B4, B5, B23(b), B42(b) and C14. The non-compliances were related to trade waste, stormwater system design, litter and administrative publication of information.

## 10. STATEMENT OF LIMITATIONS

1. This report is based solely on the scope of work described in the Specification and ERM proposal P0518896 and performed by ERM for SUEZ Recycling and Recovery Pty Ltd (the Client). The Scope of Work was governed by a contract between ERM and the Client.
2. No limitation, qualification or caveat set out below is intended to derogate from the rights and obligations of ERM and the Client under the Contract.
3. The findings of this report are solely based on, and the information provided in this report is strictly limited to that required by, the Scope of Work. Except to the extent stated otherwise, in preparing this report ERM has not considered any question, nor provides any information, beyond that required by the Scope of Work.
4. This report was prepared between July and August 2020 and is based on information reviewed at the time of preparation. The report does not, and cannot, take into account changes in law, factual circumstances, applicable regulatory instruments or any other future matter. ERM does not, and will not, provide any on-going advice on the impact of any future matters unless it has agreed with the Client to amend the Scope of Work or has entered into a new engagement to provide a further report.
5. Unless this report expressly states to the contrary, ERM's Scope of Work was limited strictly to identifying typical environmental conditions associated with the subject site(s) and does not evaluate the condition of any structure on the subject site nor any other issues. Although normal standards of professional practice have been applied, the absence of any identified hazardous or toxic materials or any identified impacted soil or groundwater on the site(s) should not be interpreted as a guarantee that such materials or impacts do not exist.
6. This report is based on correspondence with the client conducted by ERM personnel, the sampling and analyses described in the report, and information provided by the Client or third parties (including regulatory agencies). All conclusions and recommendations made in the report are the professional opinions of the ERM personnel involved. Whilst normal checking of data accuracy was undertaken, except to the extent expressly set out in this report ERM:
  - a. did not, nor was able to, make further enquiries to assess the reliability of the information or independently verify information provided by; and
  - b. assumes no responsibility or liability for errors in data obtained from, the Client, any third parties or external sources (including regulatory agencies).
7. Although the data that has been used in compiling this report is generally based on actual circumstances, if the report refers to hypothetical examples those examples may, or may not, represent actual existing circumstances.
8. Only the environmental conditions and or potential contaminants specifically referred to in this report have been considered. To the extent permitted by law and except as is specifically stated in this report, ERM makes no warranty or representation about:
  - a. the suitability of the site(s) for any purpose or the permissibility of any use;
  - b. the presence, absence or otherwise of any environmental conditions or contaminants at the site(s) or elsewhere; or
  - c. the presence, absence or otherwise of asbestos, asbestos containing materials or any hazardous materials on the site(s).
9. Use of the site for any purpose may require planning and other approvals and, in some cases, environmental regulator and accredited site auditor approvals. ERM offers no opinion as to the likelihood of obtaining any such approvals, or the conditions and obligations which such approvals may impose, which may include the requirement for additional environment works.



10. The ongoing use of the site or use of the site for a different purpose may require the management of or remediation of site conditions, such as contamination and other conditions, including but not limited to conditions referred to in this report.
11. This report should be read in full and no excerpts are to be taken as representative of the whole report. To ensure its contextual integrity, the report is not to be copied, distributed or referred to in part only. No responsibility or liability is accepted by ERM for use of any part of this report in any other context.
12. Except to the extent that ERM has agreed otherwise with the Client in the Scope of Work or the Contract, this report:
  - a. has been prepared and is intended only for the exclusive use of the Client;
  - b. must not to be relied upon or used by any other party;
  - c. has not been prepared nor is intended for the purpose of advertising, sales, promoting or endorsing any Client interests including raising investment capital, recommending investment decisions, or other publicity purposes;
  - d. does not purport to recommend or induce a decision to make (or not make) any purchase, disposal, investment, divestment, financial commitment or otherwise in or in relation to the site(s); and
  - e. does not purport to provide, nor should be construed as, legal advice.

**APPENDIX A      TABLE OF COMPLIANCE**

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Specific Environmental Conditions</b>			
A1	In addition to meeting the specific performance criteria established under the consent, the applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development		
A2	The Applicant, in acting on this consent, must carry out the Development in accordance with the: a) State significant development application SSD 7267; b) EIS and RTS; c) Conditions in schedule 2; d) SSD 7267 MOD1; e) SSD 7267 MOD2; f) Development layout plans and drawings listed in Appendix A; and g) The Management and Mitigation Measures as identified in Appendix B.		
A6	The Applicant must not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, or disposal on the site, except as expressly permitted by an EPL	Compliant	The facility operated within the approved waste volume limits during the reporting period.
A7	The Applicant must not receive or process on site more than: (a) 140,000 tpa of general solid waste (putrescible); (b) 90,000 tpa of general solid waste (non-putrescible); and (c) 10m3 of asbestos waste per week.	Compliant	SUEZ received the following waste volumes during the reporting period: ■ Putrescible GSW : 40,208.41 ■ Non-putrescible GSW: 42,049.23 ■ Asbestos waste <10m3/week
A8	The Applicant must not store on site more than 573 m3 or 402.5 tonnes of general solid waste (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA.	Compliant	The facility operated within the approved waste volume limits during the reporting period.
A9	The Applicant must not store general solid waste (putrescible) at the site for more than 24 hour from the time of receipt.	Compliant	Putrescible GSW was not stored onsite for more than 24hrs at any one time during the reporting period.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Waste Management</b>			
<b>Receipt, Storage &amp; Handling of Waste</b>			
<b>B1</b>	The Applicant shall only receive waste on site that is authorised for receipt by an EPL.	Compliant	Wastes received recorded and in accordance with EPL.
<b>B2</b>	The Applicant shall ensure any waste generated on site during construction is classified in accordance with the EPA's Waste Classification Guidelines, 2014 or its latest version, and disposed of to a facility that may lawfully accept it.	N/A	This AEMR assesses the operational phase of the development.
<b>B3</b>	<p>The Applicant shall</p> <p>a) implement auditable procedures to :</p> <p>i. ensure the site does not accept wastes that are prohibited;</p> <p>ii. Screen incoming waste loads; and</p> <p>b) ensure that:</p> <p>i. all waste types that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site;</p> <p>ii. All waste received at the site must be recorded in accordance with clause 27 of the POEO (Waste) Regulation;</p> <p>iii. Details of the quantity, type of source waste received on the site must be provided to the EPA and the Secretary when requested;</p> <p>iv. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste; and</p> <p>v. the asbestos storage area is maintained to not impact vehicle manoeuvrability on the temporary perimeter access road and permanent access ring road.</p>	Compliant	Training is provided by SUEZ to the weighbridge operators, recycling and on-site supervisors to enable them to recognise and manage unacceptable wastes (SOP017 – Hazardous chemicals including dangerous goods).
<b>Wastewater</b>			
<b>B4</b>	The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.	Non-Compliant	Trade Waste Agreement 7976 - Aluminium concentration exceedance TWA limits during March 2020.
<b>B5.</b>	<p>The Applicant must ensure the first flush detention tank is bunded in accordance with:</p> <p>(a) all relevant Australasian Standards;</p> <p>(b) for liquids, a minimum bund volume requirement of 110% of the largest single stored volume within the bund; and</p> <p>(c) the Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).</p> <p>In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.</p>	Non-Compliant	First flush detention tank is not installed at the Site. Waste water is captured prior to discharge to sewer, stormwater is discharge via key stone valve.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Air Quality</b>			
<b>Meteorological Station</b>			
<b>B6.</b>	Prior to the commencement of any works on-site, the Applicant must install a suitable meteorological station on the site that complies with the requirements in the EPA's Approved Methods for Sampling of Air Pollutants in New South Wales.	Compliant	Meteorological station installed on site.
<b>Odour Management</b>			
<b>B7</b>	The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).	Compliant	Nil odour complaints received and odour controls are in place.
<b>B8</b>	Prior to the commencement of Stage 1 operations and to the satisfaction of the EPA, the Applicant must: (a) install deodorising sprays over the vehicle entrance and exits; and (b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.	Compliant	Works were completed on 16 October 2019 – Certification included in Appendix J
<b>B9</b>	During operations, the Applicant must: (a) conduct a weekly wash-down of any tipping area contaminated with general solid waste (putrescible); (b) conduct annual wash down of interior walls and surfaces; (c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and (d) ensure that deodorising sprays are operational at all times.	Compliant	Weekly checklists are completed which include actions which satisfy conditions B9(a) and (c). Six monthly clean of interior walls was completed on 21/7/2020. Deodorisers were installed on 16 October 2019 and are operational. Certification included in Appendix J
<b>Dust Management</b>			
<b>B10</b>	The Applicant must implement all measures to minimise dust generated during construction and operation of the Development.	Compliant	Dust has not been observed leaving site and no complaints have been received regarding dust. A dust monitoring program was not in place during the reporting period, however will be implemented in future.

Condition No.	Condition / Requirement	Compliance Status	Comment
B11	During construction, the Applicant must ensure that: <ul style="list-style-type: none"> <li>(a) exposed surfaces and stockpiles are suppressed by regular watering;</li> <li>(b) all trucks entering or leaving the site with loads have their loads covered;</li> <li>(c) trucks associated with the Development do not track dirt onto the public road network; and</li> <li>(d) public roads used by these trucks are kept clean.</li> </ul>	Compliant	Controls were in place during minimal construction activities undertaken during the reporting period.
B12	Prior to the commencement of Stage 2 operations, the Applicant must: <ul style="list-style-type: none"> <li>(a) install dust suppression sprays over the vehicle entry and exit; and</li> <li>(b) install interior liner panels to facilitate wash down.</li> </ul>	Not Applicable	Stage 2 operations not commenced
B13	During operations, the Applicant must: <ul style="list-style-type: none"> <li>a) conduct a weekly clean of surge pit and tipping area where interior walls have been contaminated with putrescible waste;</li> <li>b) conduct a six-monthly brush down of interior walls and; and</li> <li>c) ensure that dust suppression sprays are operational where waste is being tipped and processed.</li> </ul>	Compliant	Weekly checklists are completed which include actions which satisfy conditions B13(a) and (c). Six monthly clean of interior walls was completed on 21/7/2020.
<b>Odour Management Plan</b>			
B14	Prior to the commence of Stage 1 operations and Stage 2 operations, the applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and Secretary. The OMP must form part of the OEMP required by condition C4 and be prepared in accordance with condition C6. The OMP must: <ul style="list-style-type: none"> <li>a) be prepared by a suitably qualified and experience person (s) in consultation with the EPA;</li> <li>b) describe the measures that would be implemented on-site to ensure:               <ul style="list-style-type: none"> <li>i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;</li> <li>ii. compliance with the relevant conditions of this consent;</li> <li>iii. compliance if adverse odour emissions occur or appear likely to occur;</li> </ul> </li> <li>a) include an ongoing monitoring program;</li> <li>b) include well defined triggers for the deployment of odour mitigation and contingency measures; and</li> <li>c) include a protocol which includes contingency measures for system failures.</li> </ul>	Compliant	Odour Management Plan developed and is in use for the site.
B15	The Applicant shall ensure that the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	The OMP has been developed and is in use for the site.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Odour Audit</b>			
<b>B16</b>	<p>The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of Stage 2 operations. Division 2B of Part 6 of the EP&amp;A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:</p> <ul style="list-style-type: none"> <li>a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;</li> <li>b) audit the Development in full operation;</li> <li>c) include a summary of odour complaints and any actions that were carried out to address the complaints;</li> <li>d) validate the Development against odour impact predictions in the EIS and RTS;</li> <li>e) review the design and management practices in the Development against industry best practice for odour management;</li> <li>f) identify suitable odour mitigation options and controls, including but necessarily limited to: <ul style="list-style-type: none"> <li>i. mechanical ventilation;</li> <li>ii. operation of the building under negative pressure to minimise fugitive emissions; and</li> <li>iii. odour capture and control options.</li> </ul> </li> <li>g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.</li> </ul> <p>Note: The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.</p>	Compliant	Odour Audit conducted by ERM on 20 & 21 February 2020 (Report 15 May 2020), refer to Appendix G.
<b>B17</b>	<p>Within two months of commissioning the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.</p>	Compliant	Submitted 20 May 2020, and all recommendations from the Odour Audit report have been implemented.
<b>B18</b>	<p>The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.</p>	N/A	No requirements received following submission of the Odour Audit report.



Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Soils, Water Quality and Hydrology</b>			
<b>Discharge Limits</b>			
<b>B19</b>	The Development must comply with Section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.	Compliant	No known pollution of receiving waters has occurred. TWA exceedance was limited to the Sydney Water sewer network.
<b>Flood Management</b>			
<b>B20</b>	<p>Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP) for the Development in consultation with council and to the satisfaction of the Secretary. The plan must form part of the CEMP and OEMP required by Conditions C1 and C4 and must:</p> <ul style="list-style-type: none"> <li>a) be prepared by a suitably qualified and experienced person (s);</li> <li>b) address the provisions of the Floodplain Risk Management Guidelines (OEH 2007);</li> <li>c) include details of: <ul style="list-style-type: none"> <li>i. the flood emergency responses for both construction and operation phases of the Development;</li> <li>ii. predicted flood levels;</li> <li>iii. flood warning time and flood notification;</li> <li>iv. assembly points and evacuation routes;</li> <li>v. evacuation and refuge protocols; and</li> <li>vi. awareness training for employees and contractors.</li> </ul> </li> </ul>	Compliant	Flood Emergency Response Plan (FERP) is in place dated November 2008.
<b>B21</b>	The Applicant shall ensure the FERP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	Flood Emergency Response Plan (FERP) is in place dated November 2008.
<b>B22.</b>	During construction and operation of the Development, the Applicant must not use driveways modelled as high hazard in the FIA as an evacuation route during times of flooding.	N/A	No flooding events have occurred on the site.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Stormwater Management System</b>			
<b>B23</b>	<p>The Applicant must design, install and operate a stormwater management system for the Development. The system must:</p> <ul style="list-style-type: none"> <li>a) be designed by a suitably qualified and experienced person(s);</li> <li>b) be generally in accordance with the conceptual design in the EIS and applicable Australian Standards;</li> <li>c) ensure that the system capacity has been designed in accordance with Australian Rainfall and Runoff (Engineers Australia, 2016) and Managing Urban Stormwater: Council Handbook (EPA, 1997);</li> <li>d) divert existing clean surface water around operational areas of the site;</li> <li>e) prevent firewater and contaminated water from entering the stormwater management system;</li> <li>f) direct all sediment laden water in overland flow away from the leachate management system; and</li> <li>g) prevent cross-contamination of clean and sediment or leachate laden water.</li> </ul>	<ul style="list-style-type: none"> <li>a) Compliant</li> <li>b) <b>Non-Compliant</b></li> <li>c) Compliant</li> <li>d) Compliant</li> <li>e) Compliant</li> <li>f) Compliant</li> <li>g) Compliant</li> </ul>	<p>Stormwater system has been designed and installed by suitably qualified and experienced persons as part of the Site design and construction and clean and dirty areas are separated. However EIS states "As there is a risk of oil and waste material spillage on the new pavements, provision for first flush will be required" not specified in EIS mitigation measures. A First flush detention tank is not installed at the Site. Waste water is captured prior to discharge to sewer, stormwater is discharge via key stone valve.</p>
<b>Chemical Spills and Fire Water Containment</b>			
<b>B24</b>	<p>To ensure that chemical spills and firewater are contained on-site, prior to the commencement of Stage 1 operations and to the satisfaction of FRNSW, the Applicant must ensure:</p> <ul style="list-style-type: none"> <li>a) the stormwater isolation valve is automatically initiated upon either sprinkler activation and/or alternatively via activation of any Manual Call Point installed within the site;</li> <li>b) the stormwater isolation valve functionality should include a fail-safe function on power failure which automatically closes the valve. The stormwater isolation valve must remain in the closed position until a manual over-ride function is initiated upon confirmation that stormwater isolation is no longer required or once any contaminated water is disposed via trade waste or at a site that can lawfully receive the waste; and</li> <li>c) the location of the stormwater isolation valve and any associated controls must be clearly identified on the site's fire hydrant block plan, fire sprinkler block plan and the site plan located within the site's Emergency Response Plan.</li> </ul>	Compliant	All required spill prevention and fire prevention systems are in place at the Site.
<b>Sprinkler and Fire Hydrant System</b>			
<b>B25</b>	<p>Prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:</p> <ul style="list-style-type: none"> <li>(a) the sprinkler system has extended coverage across the surge pit and load-out chutes; and</li> </ul>		

Condition No.	Condition / Requirement	Compliance Status	Comment
	(b) the fire hydrant system is designed, installed and commissioned in accordance with AS 2419.1-2005.		
<b>Imported Soil</b>			
<b>B26</b>	<p>The Applicant must:</p> <ul style="list-style-type: none"> <li>a) ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;</li> <li>b) keep accurate records of the volume and type of fill to be used; and</li> <li>c) make these records available to the Department upon request.</li> </ul>	Not Applicable	No VEMN/ENM received onsite during reporting period.
<b>Erosion and Sediment Control</b>			
<b>B27</b>	Prior to the commencement of construction, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the Managing Urban Stormwater: Soils and Construction Guidelines and the Erosion and Sediment Control Plan included in the CEMP required by Condition C1.	Not Applicable	Construction completed prior to the commencement of the AEMR reporting period.
<b>Traffic and Access</b>			
<b>Parking</b>			
<b>B28</b>	Prior to the commencement of Stage 1 operations, the Applicant must provide 21 on-site parking spaces for visitors and staff (including one accessible parking space) and 8 on-site parking spaces for heavy vehicles to ensure that traffic associated with the development does not utilise public and residential streets or public parking facilities. Parking areas must be constructed in accordance with the latest version of AS 2890.	Compliant	The required parking facilities are in place at the Site.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Operating Conditions</b>			
<b>B29</b>	<p>The Applicant must ensure:</p> <ul style="list-style-type: none"> <li>a) internal roads, driveways, and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Development are constructed and maintained in accordance with the latest version of AS 290.1 and AS 2890.2;</li> <li>b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTRROADS guidelines;</li> <li>c) the Development does not result in any vehicles queuing on the public road network;</li> <li>d) heavy vehicles and bins associated with the Development are not parked on local roads or footpaths in the vicinity of the site;</li> <li>e) (e) all vehicles are wholly contained on site before being required to be stopped; all loading and unloading of materials is carried within the waste transfer station building;</li> <li>f) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network;</li> <li>g) the weighbridge stop line is moved 7 m to the west to prevent queuing on David Road; <ul style="list-style-type: none"> <li>i. (i) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times; and</li> <li>ii. (j) the temporary perimeter access road is sealed.</li> </ul> </li> </ul>	Compliant	<p>All conditions with B29 have been met. Regarding Condition B29(g), the OEMP. Section 4.2 Acceptance of Waste includes the following to ensure trucks are managed appropriately: <i>“Trucks must stop at the tarping gantry prior to proceeding to the weighbridge to inspect and remove any debris caught externally to the vehicle following loading.”</i></p>

Condition No.	Condition / Requirement	Compliance Status	Comment											
<b>Operational Traffic Management Plan</b>														
<b>B30</b>	<p>Prior to the commencement of Stage 1 operations and Stage 2 operations, the Applicant must prepare an Operational Traffic Management Plan (OTMP) for the Development to the satisfaction of the Secretary. The plan must form part of the OEMP required by Condition C4 and prepared in accordance with Condition C6 and must:</p> <ul style="list-style-type: none"> <li>a) be prepared by a suitably qualified and experienced person(s);</li> <li>b) be prepared in consultation with Council;</li> <li>c) details the measures that are to be implemented to ensure road safety and network efficiency including restricting queuing or parking of vehicles on Davis Road;</li> <li>d) detail heavy vehicle routes, access and parking arrangements;</li> <li>e) include a Driver Code of Conduct to:                             <ul style="list-style-type: none"> <li>i. minimise the impacts on the local and regional road network;</li> <li>ii. minimise conflicts with other road users;</li> <li>iii. minimise road traffic noise;</li> <li>iv. ensure truck drivers use specified routes; and</li> <li>v. include a program to monitor the effectiveness of these measures.</li> </ul> </li> </ul>	Compliant	OTMP is in place at the Site dated November 2019. Refer Appendix E.											
<b>B31</b>	The Applicant shall ensure the OTMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	OTMP is in place at the Site dated November 2019. Refer Appendix E.											
<b>Noise</b>														
<b>Hours of Work</b>														
<b>B32</b>	<p>The Applicant must comply with the hours detailed in Table 2.</p> <p><i>Table 2: Hours of Work</i></p> <table border="1" data-bbox="353 1198 1261 1326"> <thead> <tr> <th>Activity</th> <th>Day</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Earthworks and construction</td> <td>Monday – Friday</td> <td>7 am to 6 pm</td> </tr> <tr> <td>Saturday</td> <td>8 am to 1 pm</td> </tr> <tr> <td>Operation</td> <td>Monday – Sunday</td> <td>24 hours</td> </tr> </tbody> </table>	Activity	Day	Time	Earthworks and construction	Monday – Friday	7 am to 6 pm	Saturday	8 am to 1 pm	Operation	Monday – Sunday	24 hours	Compliant	Unrestricted hours for operational phase.
Activity	Day	Time												
Earthworks and construction	Monday – Friday	7 am to 6 pm												
	Saturday	8 am to 1 pm												
Operation	Monday – Sunday	24 hours												

Condition No.	Condition / Requirement	Compliance Status	Comment										
<b>B33.</b>	<p>Works outside of the hours identified in Condition B32 may be undertaken in the following circumstances:</p> <ul style="list-style-type: none"> <li>a) works that are inaudible at the nearest sensitive receivers;</li> <li>b) works agreed to in writing by the Secretary;</li> <li>c) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safe reasons;</li> <li>d) where it is required in an emergency to avoid the loss of lives, property and/or prevent environmental harm.</li> </ul>												
<b>Operational Noise Limits</b>													
<b>B35</b>	<p>The Applicant must ensure that noise generated by operation of the Development does not exceed the noise limits in Table 3.</p> <p>Note: Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.</p> <p><b>Table 3: Noise Limits dB(A)</b></p> <table border="1" data-bbox="378 839 1245 916"> <thead> <tr> <th data-bbox="378 839 618 887">Location</th> <th data-bbox="618 839 775 887">Day L<sub>Aeq</sub>(15 minute)</th> <th data-bbox="775 839 931 887">Evening L<sub>Aeq</sub>(15 minute)</th> <th data-bbox="931 839 1088 887">Night L<sub>Aeq</sub>(15 minute)</th> <th data-bbox="1088 839 1245 887">Night L<sub>A1</sub>(1 minute)</th> </tr> </thead> <tbody> <tr> <td data-bbox="378 887 618 916">All residential receivers</td> <td data-bbox="618 887 775 916">35</td> <td data-bbox="775 887 931 916">35</td> <td data-bbox="931 887 1088 916">35</td> <td data-bbox="1088 887 1245 916">45</td> </tr> </tbody> </table>	Location	Day L <sub>Aeq</sub> (15 minute)	Evening L <sub>Aeq</sub> (15 minute)	Night L <sub>Aeq</sub> (15 minute)	Night L <sub>A1</sub> (1 minute)	All residential receivers	35	35	35	45	Compliant	Environmental Noise Assessment Report (04 June 2020) completed by Hibbs and Associates confirmed site compliance.
Location	Day L <sub>Aeq</sub> (15 minute)	Evening L <sub>Aeq</sub> (15 minute)	Night L <sub>Aeq</sub> (15 minute)	Night L <sub>A1</sub> (1 minute)									
All residential receivers	35	35	35	45									
<b>Noise Mitigation</b>													
<b>B36</b>	<p>The Applicant must:</p> <ul style="list-style-type: none"> <li>a) implement best practice, including all noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the development;</li> <li>b) minimise the noise impacts of the development during adverse meteorological conditions;</li> <li>c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant and equipment is not being used operationally until fully repaired; and</li> <li>d) regularly assess noise emissions and relocated, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.</li> </ul>	Compliant	Site is operated in accordance with OEMP (Appendix E). Environmental and Occupational Noise Assessments were completed. Recommendations made as part of the noise assessments completed for the Site were implemented in full. Refer Annex H.										

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Construction and Operational Noise Management</b>			
B37	The Applicant must ensure that all its vehicles are fitted with a broadband reversing alarm.	Compliant	Broadband reversing alarms are installed in all vehicles.
<b>Hazards and Risk</b>			
B39	The Applicant must store all chemicals, fuels and oils used on-site in accordance with: <ul style="list-style-type: none"> <li>a) the requirements of all relevant Australian Standards;</li> <li>b) the NSW EPA's 'Storing and Handling of Liquids: Environmental Protection - Participants Handbook' if the chemicals are liquids.</li> </ul>	Compliant	All chemicals/ fuels and oils are stored in accordance with conditions B39 a) & b.
<b>Dangerous Goods</b>			
B40	The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's Hazardous and Offensive Application Guidelines - Applying SEPP 33 at all times.	Compliant	Quantities of dangerous goods stored onsite are below the threshold therefore not required to be identified in the PIRMP.
B41	Dangerous goods, as defined by the Australian Dangerous Goods Code, must be stored and handled strictly in accordance with: <ul style="list-style-type: none"> <li>a) all relevant Australian Standards;</li> <li>b) for all liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and</li> <li>c) the Environmental Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).</li> </ul>	Compliant	Dangerous goods are stored and handled in accordance with condition 41 d), e) and f). SUEZ are currently updating SOP017 to identify the Environmental Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).
<b>Litter and Pest Control</b>			
<b>Pests, Vermin and Noxious Weed Management</b>			
B42	The Applicant must: <ul style="list-style-type: none"> <li>a) ensure all waste loads are covered unless within the waste transfer station building; and</li> <li>b) maintain the site in a clean and tidy state at all times.</li> </ul>	Non-Compliant	NSW EPA officers attended Site on 13 January and 18 February 2020 and noted excessive litter at the Site. The NSW EPA subsequently issued SUEZ a notice requesting that the Site be tidied.
B43	The Applicant must: <ul style="list-style-type: none"> <li>(a) implement suitable measures to manage pests, vermin and declared noxious weeds on the site; and</li> <li>(b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.</li> </ul>	Compliant	<ul style="list-style-type: none"> <li>a) Pest control completed quarterly</li> <li>b) Vegetation management completed fortnightly</li> <li>c) FORM026 site inspection by supervisor</li> </ul>

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Lighting</b>			
<b>B55</b>	<p>The Applicant must ensure the lighting associated with the Development:</p> <ul style="list-style-type: none"> <li>a) complies with the latest version of AS 4282 (INT) - Control of Obstructive Effects on Outdoor Lighting; and</li> <li>b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.</li> </ul>	Compliant	Lighting was installed as per requirements. SUEZ has received no complaints in relation to nuisance lighting.
<b>Operational Management Plan</b>			
<b>C4</b>	<p>The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:</p> <ul style="list-style-type: none"> <li>a) Be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation;</li> <li>b) Be prepared by a suitably qualified and experienced expert;</li> <li>c) Provide the strategic framework for environmental management of the Development;</li> <li>d) Identify the statutory approvals that apply to the Development;</li> <li>e) Describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;</li> <li>f) Describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>i. Keep the local community and relevant agencies informed about the operation and environmental performance of the Development</li> <li>ii. Receive, handle, respond to, and record complaints</li> <li>iii. Resolve and disputes that may arise</li> <li>iv. Respond to any non-compliance</li> <li>v. Respond to emergencies</li> </ul> </li> <li>g) Include the following environmental management plans: <ul style="list-style-type: none"> <li>i. Odour Management Plan</li> <li>ii. Flood Emergency Response Plan</li> <li>iii. Operational Traffic Management Plan.</li> </ul> </li> </ul>	Compliant	OEMP dated November 2019 is in place at the Site. Refer to Appendix E.
<b>C5</b>	The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.	Compliant	Development was operated in accordance with Secretary approved OEMP.



Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Management Plan Requirements</b>			
C6	<p>The Applicant must ensure that the environmental management plans required under Condition C1 and Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:</p> <ul style="list-style-type: none"> <li>a) Detailed baseline data</li> <li>b) A description of: <ul style="list-style-type: none"> <li>i. The relevant statutory requirements (including any relevant approval, licence or lease conditions);</li> <li>ii. Any relevant performance criteria; and</li> <li>iii. The specific performance indicators the are proposed to be used to judge the performance of, or guide the implementation of, the Department or any management measures;</li> </ul> </li> <li>c) A description of the management measures that would be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria</li> <li>d) A program to monitor and report on the: <ul style="list-style-type: none"> <li>i. Impacts and environmental performance of the development; and</li> <li>ii. Effectiveness of any management measures (see (c) above)</li> </ul> </li> <li>e) A contingency plan to manage any unpredicted impacts and their consequences;</li> <li>f) A program to investigate and implement ways to improve the environmental performance of the Development over time;</li> <li>g) A protocol for managing and reporting any <ul style="list-style-type: none"> <li>i. Incidents</li> <li>ii. Complaints</li> <li>iii. Non-compliances with statutory requirements; and</li> <li>iv. Exceedances of the impact assessment criteria and/or performance criteria</li> </ul> </li> <li>h) A protocol for periodic review of the plan.</li> </ul>	Compliant	All required plans have been developed and are in place at the Site and have been submitted to the Department.

Condition No.	Condition / Requirement	Compliance Status	Comment
<b>Revision of Strategies, Plans and Programs</b>			
<b>C7</b>	Within three months of <ul style="list-style-type: none"> <li>a) approval of modification;</li> <li>b) approval of an annual review under condign C8;</li> <li>c) submission of an incident report under Condition C9; or</li> <li>d) completion of an audit under Condition C12,</li> <li>e) the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.</li> </ul>	Compliant	All Plans, strategies and programs were reviewed following most recent modification.
<b>C8</b>	Each year, the Applicant must review the environmental performance of the Development to the satisfaction of the Secretary. This review must: <ul style="list-style-type: none"> <li>a) (a) describe the development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;</li> <li>b) (b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the:               <ul style="list-style-type: none"> <li>i. the relevant statutory requirements, limits or performance measures/criteria;</li> <li>ii. the requirements of any plan or program required under this consent;</li> <li>iii. the monitoring results of the previous years; and</li> <li>iv. the relevant predictions in the EIS;</li> </ul> </li> <li>iv. (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</li> <li>(d) identify any trends in the monitoring data over the life of the Development;</li> <li>v. (e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and</li> <li>vi. (f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.</li> </ul>	Compliant	Condition satisfied by the completion of this AEMR.
<b>Reporting</b>			
<b>Incident Reporting</b>			
<b>C9</b>	Within 24 hours of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment, a report shall be supplied to the Department outing the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventative measures. The report must be submitted to the Secretary no later than 14 days after the incident or potential incident.	Not Applicable	No incidents within the reporting period.

Condition No.	Condition / Requirement	Compliance Status	Comment
C10	The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the Independent Hazard Auditor and the Department.	Compliant	SUEZ maintains a register of all incidents, accidents and complaints which are available for inspection.
<b>Regular Reporting</b>			
C11	The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Compliant	Management Plans, Consents and EPL are available on the SUEZ website.
<b>Auditing</b>			
<b>Independent Environmental Audit</b>			
C12	<p>Within one year of the commencement of operation, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the Development. Division 2B of Part 6B of the EP&amp;A Act applies to these audits, which are for the purposes of ascertaining information in relation to the environmental performance of the Development and the adequacy of strategies, plans and programs. Audits must:</p> <ul style="list-style-type: none"> <li>a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</li> <li>b) include consultation with relevant agencies;</li> <li>c) assess the environmental performance of the Development and assess whether its complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan and program required under these approvals);</li> <li>d) review the adequacy of the any approved strategy, plan or program required under the above mentioned consents; and</li> <li>e) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.</li> </ul>	Not Applicable	IEA will be due by December 2020.

Condition No.	Condition / Requirement	Compliance Status	Comment
C13	Within three months of commission this audit, or otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timeline for the implementation of the recommendations. The Applicant must implement these recommendations to the satisfaction of the Secretary.	Not Applicable	IEA has not been completed as Site has been operational for under one year.
<b>Access to Information</b>			
C14	<p>The Applicant must:</p> <p>a) make copies of the following publicly available on its website:</p> <ul style="list-style-type: none"> <li>i. the documents referred to in condition A2;</li> <li>ii. all current statutory approvals for the Development;</li> <li>iii. All approved strategies, plans and programs required under this consent;</li> <li>iv. a comprehensive summary of the monitoring results of the Development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;</li> <li>v. a complaint register updated on a monthly basis;</li> <li>vi. the annual reviews of the Department;</li> <li>vii. any independent environment audit of the Development and the Applicant's response to the recommendations in any audit;</li> <li>viii. any other matter required by the Secretary; and</li> <li>ix. keep this information up to date, to the satisfaction of the Secretary.</li> </ul>	Not Compliant	EIS and RTS not on website as listed in condition A2. Odour audit and recommendations also not listed on website.

## **APPENDIX B      FIGURES**





**Legend**

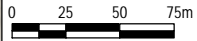
- Site Boundary
- Lot\_Fairfield

Data Source:  
 NSW DOBB/DTDB 2020  
 Nearmap Imagery October 2020  
 Inset: Esri OpenStreetMap 2020

**Site Locality**

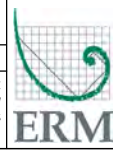
Drawing No: 0562178s\_AEMR\_G001\_R0.mxd  
 Date: 23/11/2020  
 Drawn By: GC  
 Coordinate System: GDA 1994 MGA Zone 56

2019/2020 AEMR - Wetherill Park RRF  
 20 Davis Rd, Wetherill Park NSW  
 Client: SUEZ Recycling and Recovery Pty Ltd





This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.

F1








Legend	
	Site Boundary
	Lot_Fairfield

Data Source:  
NSW DCDB/DTDB 2020  
Nearmap Imagery October 2020

### Site Features

Drawing No: 0562178s_AEMR_G002_R0.mxd	2019/2020 AEMR - Wetherill Park RRF
Date: 23/11/2020	Drawing Size: A4
Drawn By: GC	Reviewed By: MC
Client: SUEZ Recycling and Recovery Pty Ltd	
Coordinate System: GDA 1994 MGA Zone 56	
0 10 20 30m	
	This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.

F2





## **APPENDIX C      DEVELOPMENT APPROVAL**



# Modification of Development Consent

## Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.



Chris Ritchie  
Director  
Industry Assessments

Sydney **4 APRIL** 2019

File: EF18/45114

### SCHEDULE 1

<b>Application No:</b>	SSD 7267
<b>Applicant:</b>	SUEZ RECYCLING & RECOVERY PTY LTD
<b>Consent Authority:</b>	Minister for Planning
<b>Development:</b>	Alterations and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)
<b>Date of Original Consent:</b>	11 September 2017
<b>Modification:</b>	SSD 7267 MOD 2 – staged construction and increase in the processing capacity of general solid waste (putrescible) and amendment to site layout.

### SCHEDULE 2

This consent is modified as follows:

#### IN DEFINITIONS:

- Delete the definition for expanded operations and Secretary and insert the following definitions in alphabetical order:

Modification Assessments	The document assessing the environmental impact of a proposed modification of this consent submitted and other information submitted with the following modification applications made under the EP&A Act:
Planning Secretary	Secretary of the Department of Planning and Environment, or nominee
SSD 7267 MOD 1	Supporting documentation titled 'Wetherill Park Transfer Station Capacity Increase – Modification to Condition B6' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 5 December 2017

SSD 7267 MOD 2	Supporting documentation titled 'SSD 15-7267 Wetherill Park Transfer Station Capacity Increase – Proposed Modification' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 31 October 2018 and Response to Submissions report titled 'SSD 7267 Mod 2 – Response to Submissions' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 7 December 2018 and updated drawings titled 'Revised Site Plan and Staging Plan Sheet No. CC01 to CC06' dated 28.08.18 prepared by Envision Group
Stage 1 construction	The carrying out of works within the area shown as Stage 1 on the plans at Appendix A of this consent, for the purpose of the development, including bulk earthworks and other infrastructure
Stage 1 operations	The point at which the site can receive more than 10,000 tonnes per year and up to 70,000 tonnes per year of general solid waste (putrescible)
Stage 2 construction	The carrying out of works within the area shown as Stage 2 on the plans at Appendix A of this consent, for the purpose of the development, including bulk earthworks and other infrastructure
Stage 2 operations	The point at which the site can receive more than 70,000 tonnes per year and up to 140,000 tonnes per year of general solid waste (putrescible)

#### **IN SCHEDULE 2; PART A: ADMINISTRATIVE CONDITIONS**

2. Delete Condition A2 and replace with the following:
  - A2. The Applicant, in acting on this consent, must carry out the Development in accordance with the:
    - (a) State significant development application SSD 7267;
    - (b) EIS and RTS;
    - (c) conditions in Schedule 2;
    - (d) SSD 7267 MOD 1;
    - (e) SSD 7267 MOD 2;
    - (f) development layout plans and drawings listed in Appendix A; and
    - (g) the Management and Mitigation Measures as identified in Appendix B.
3. Delete Condition A8 and replace with the following:
  - A8. The Applicant must not store on site more than 575 m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA.
4. In Condition A20 insert the following words 'Stage 1 construction and Stage 2' after the words 'Prior to the commencement of'.
5. In Condition A21 delete the word 'expanded' and replace with the words 'Stage 1'.
6. Delete the heading 'Requirements Prior to Commencement of Expanded Operations' and delete Condition A27 and replace with the following:

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF STAGE 1 OPERATIONS**

- A27. Prior to the commencement of Stage 1 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following:
  - (a) additional pavement and hardstand;
  - (b) stormwater system;
  - (c) fire safety system upgrade; and
  - (d) temporary perimeter access road.
7. Insert new heading and new Condition A27A, immediately after Condition A27 as follows:

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF STAGE 2 OPERATIONS**

- A27. Prior to the commencement of Stage 2 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following:
- (a) permanent access ring road;
  - (b) the construction of an additional exit from the main transfer building to improve internal traffic flow; and
  - (c) roller shutter within the existing waste transfer building.

8. In Condition A28 delete the word 'expanded' and replace with the words 'Stage 1'.

#### **IN PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT**

9. Insert a new Condition B3(b)v immediately after B3(b)iv as follows:

B3(b)v the asbestos storage area is maintained to not impact vehicle manoeuvrability on the temporary perimeter access road and the permanent access ring road

10. In Condition B8 delete the word 'expanded' and replace with the words 'Stage 1'.

11. Delete Condition B9(a) and replace with the following:

B9(a) conduct a weekly wash-down of any tipping area contaminated with general solid waste (putrescible);

12. In Condition B12 delete the word 'expanded' and replace with the words 'Stage 2'.

13. In Condition B14 delete the word 'expanded' and replace with the words 'Stage 1 operations and Stage 2'.

14. In Condition B16 delete the word 'expanded' and replace with the words 'Stage 2'.

15. In Condition B24 delete the word 'expanded' and replace with the words 'Stage 1'.

16. Delete Condition B25 and replace with the following:

B25. Prior to the commencement of Stage 1 operations and to the satisfaction of FRNSW, the Applicant must ensure:

- (a) the sprinkler system is installed and maintained throughout the site in accordance with Specification E1.5 of the *National Construction Code* (Australian Building Codes Board, 2016) and in accordance with the latest version of AS 2118.1-1999;
- (b) the fire hydrant system is designed, installed, maintained and commissioned in accordance with Specification E1.3 of the *National Construction Code* (Australian Building Codes Board, 2016) with the latest version of AS 2419.1-2005; and
- (c) the temporary perimeter access road and the permanent ring road is constructed in accordance with *Policy No 4: Guidelines for Emergency Vehicle Access* (NSW Fire Brigade, 2010).

17. In Condition B28 delete the word 'expanded' and replace with the words 'Stage 1' and delete number '12' and replace with the number '8'.

18. In Condition B29(h) delete the number '3' and replace with the number '7' and after the semi-colon, delete the word 'and'.

19. In Condition B29(i) delete the full-stop and replace with a semicolon and insert the word 'and'.

20. Insert new Condition B29(j) immediately after Condition B29(i) as follows:

B29(j) the temporary perimeter access road is sealed.

21. In Condition B30 delete the word 'expanded' and replace with the words 'Stage 1 operations and Stage 2'.

22. In Condition B44, insert the following words 'Stage 1' after the words 'Prior to the commencement of'.

#### **IN PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING**

23. In Condition C1(a) delete the word 'construction' and replace with the words 'Stage 1 construction and Stage 2 construction'.

24. Insert new Condition C2(c) immediately after Condition C2(b) as follows:

C2(c) Unexpected finds protocol (see Condition B44).

25. In Condition C4(a) delete the words 'the expanded operation' and replace with the words 'Stage 1 operations and Stage 2 operations.'

**IN APPENDIX A; DEVELOPMENT LAYOUT PLANS**

26. Replace all drawings with the following drawings:

**APPENDIX A:**



#64

PROJECT NO.

CC 01

SHEET NO.



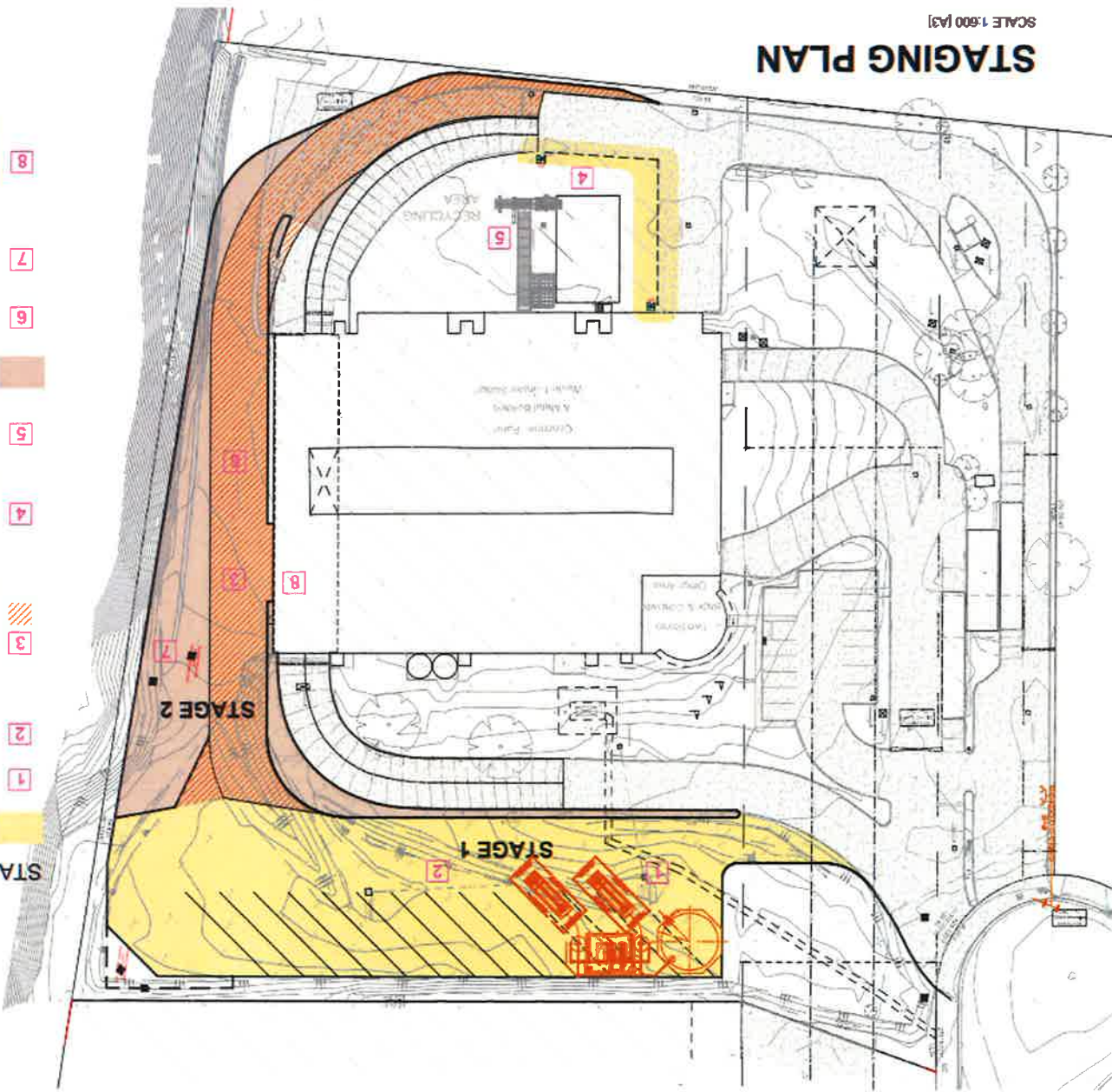
**STAGING LEGEND/PLAN**

STAGING LEGEND/PLAN	DESCRIPTION	DATE	BY
A	PRELIMINARY ISSUE	02.08.18	
B	PRELIMINARY ISSUE	04.08.18	
C	ISSUED FOR SUBMISSION	22.08.18	
D	DESIGNED FOR SUBMISSION	28.08.18	

ALIGNMENTS



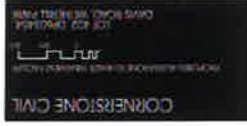
- 1 FIRE SERVICES UPGRADES
- 2 CONSTRUCTION OF STAGE 1 PERMANENT PAVING & PARKING 1-8, (AS INDICATED ON THE PLAN)
- 3 TEMPORARY PERIMETER ACCESS ROAD (BUILT TO EXTENT OF HATCHING AS INDICATED ON PLANS) ROAD TO BE CONSTRUCTED IN ACCORDANCE WITH NSW FB POLICY NO.4.
- 4 PROPOSED RETRACTABLE, FIRE COMPLIANT LITTER PREVENTION CURTAIN TO FUTURE DETAILS
- 5 NEW PLANT EQUIPMENT
- 6 AREA DEMOTES EXTENT OF STAGE 2 WORKS
- 7 PERIMETER ACCESS ROAD REMOVAL OF TEMPORARY PERMETER ACCESS ROAD, AND CONSTRUCTION OF STAGE 2 PERMANENT PAVING, AND LINE MARKING OF TRUCK PARKING NO.9 (AS INDICATED ON THE PLAN)
- 8 REMOVAL OF CONCRETE PANEL AND NEW DOOR TO EXISTING WASTE TREATMENT FACILITY



**STAGING PLAN**

SCALE 1:500 (A3)





#64

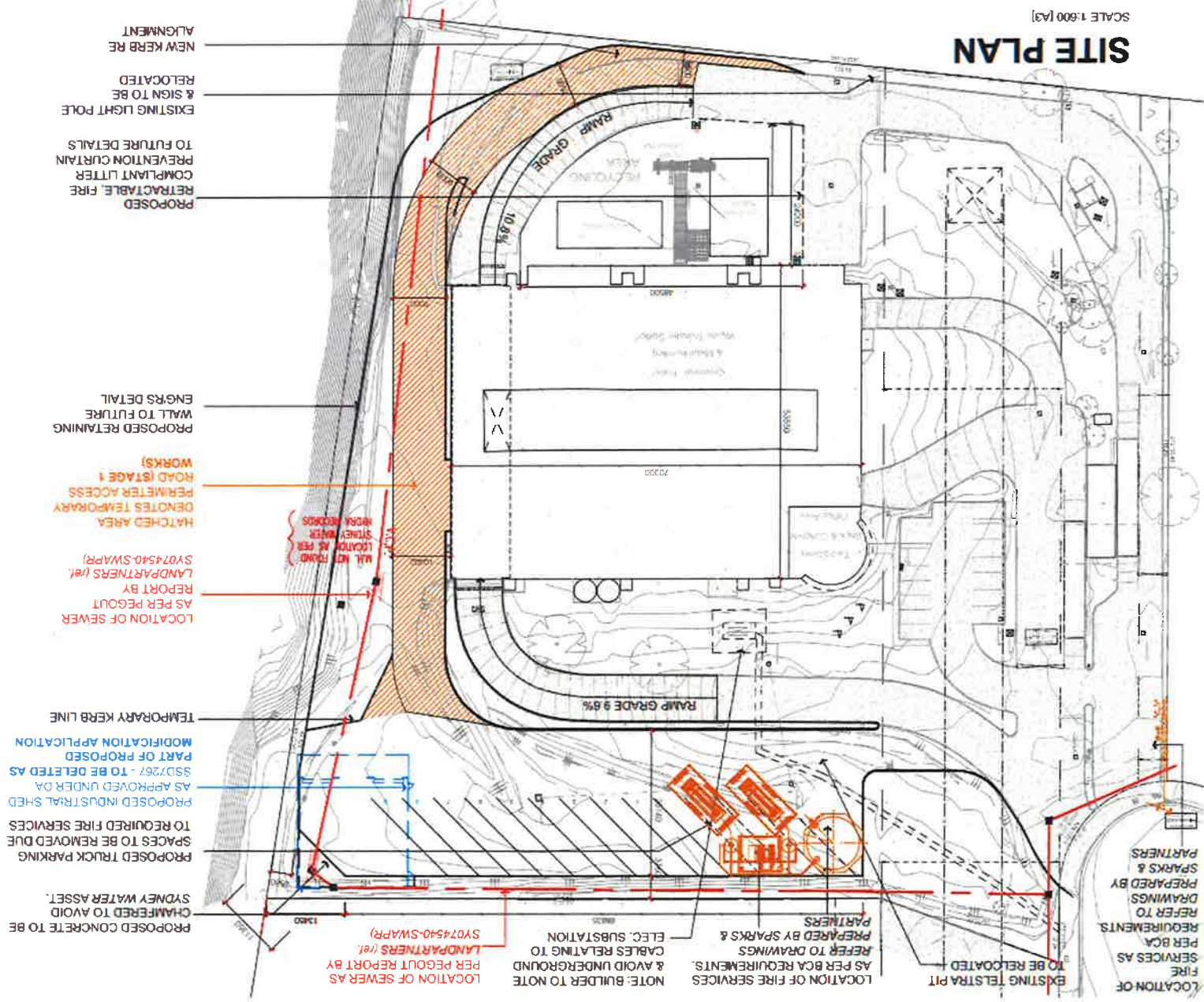
PROJECT NO.

CC 02

SHEET NO.



AMENDMENTS  
 A. PRELIMINARY ISSUE 04.09.18  
 B. PRELIMINARY ISSUE 04.09.18  
 C. ISSUED FOR SUBMISSION 07.04.19  
 D. ISSUED FOR SUBMISSION 28.09.19



# PART SITE PLAN [RECYCLING AREA]

SCALE: 1:200 (A3)

CORNERSTONE CIVIL  
PROFESSIONAL ENGINEER  
FOR NSW  
LICENCE NO. 123456789  
123456789

## #64

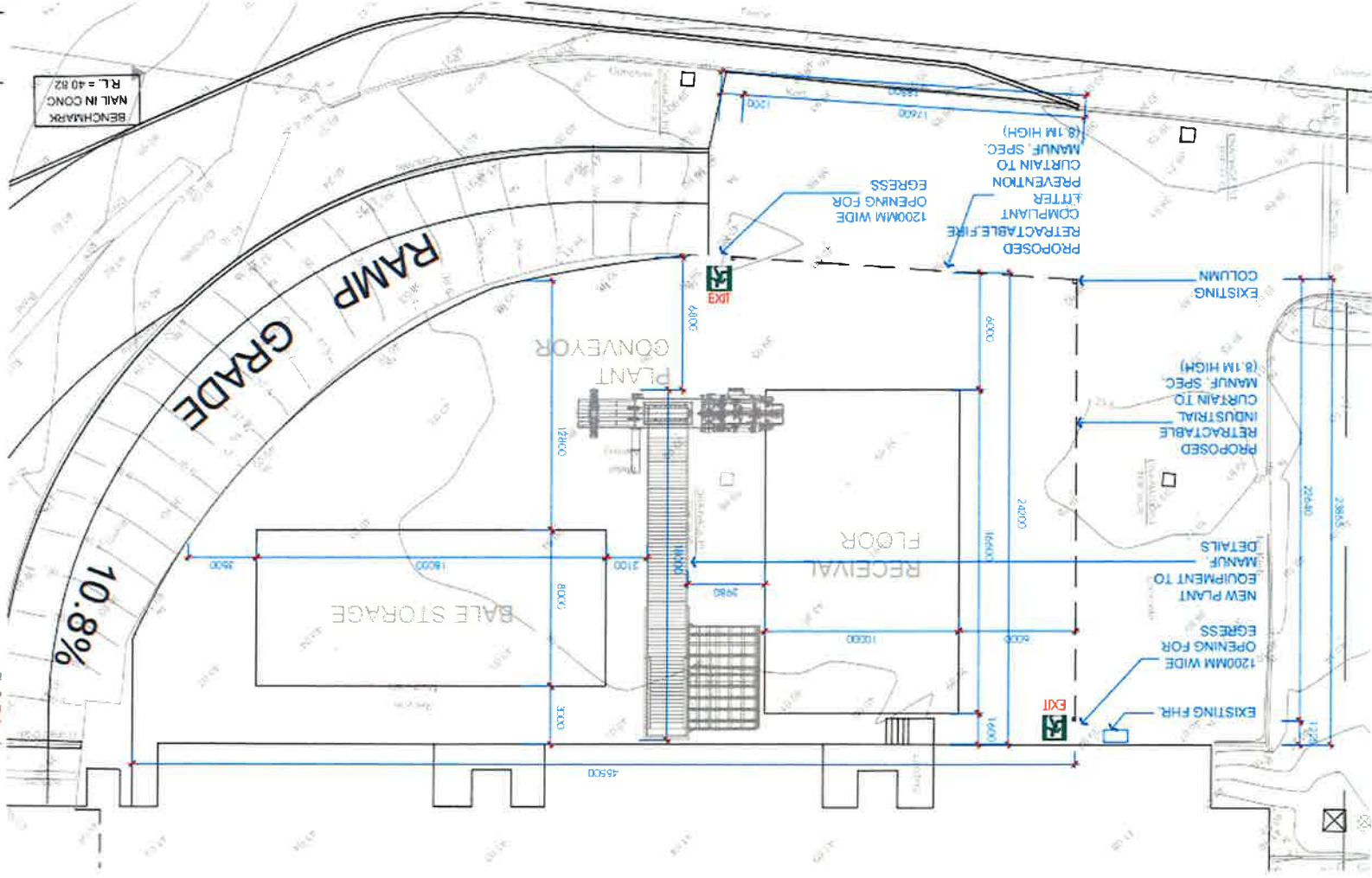
PROJECT NO.:

CC 03

SHEET NO.:



BENCHMARK  
NAIL IN CONG  
R.L. = 40.82

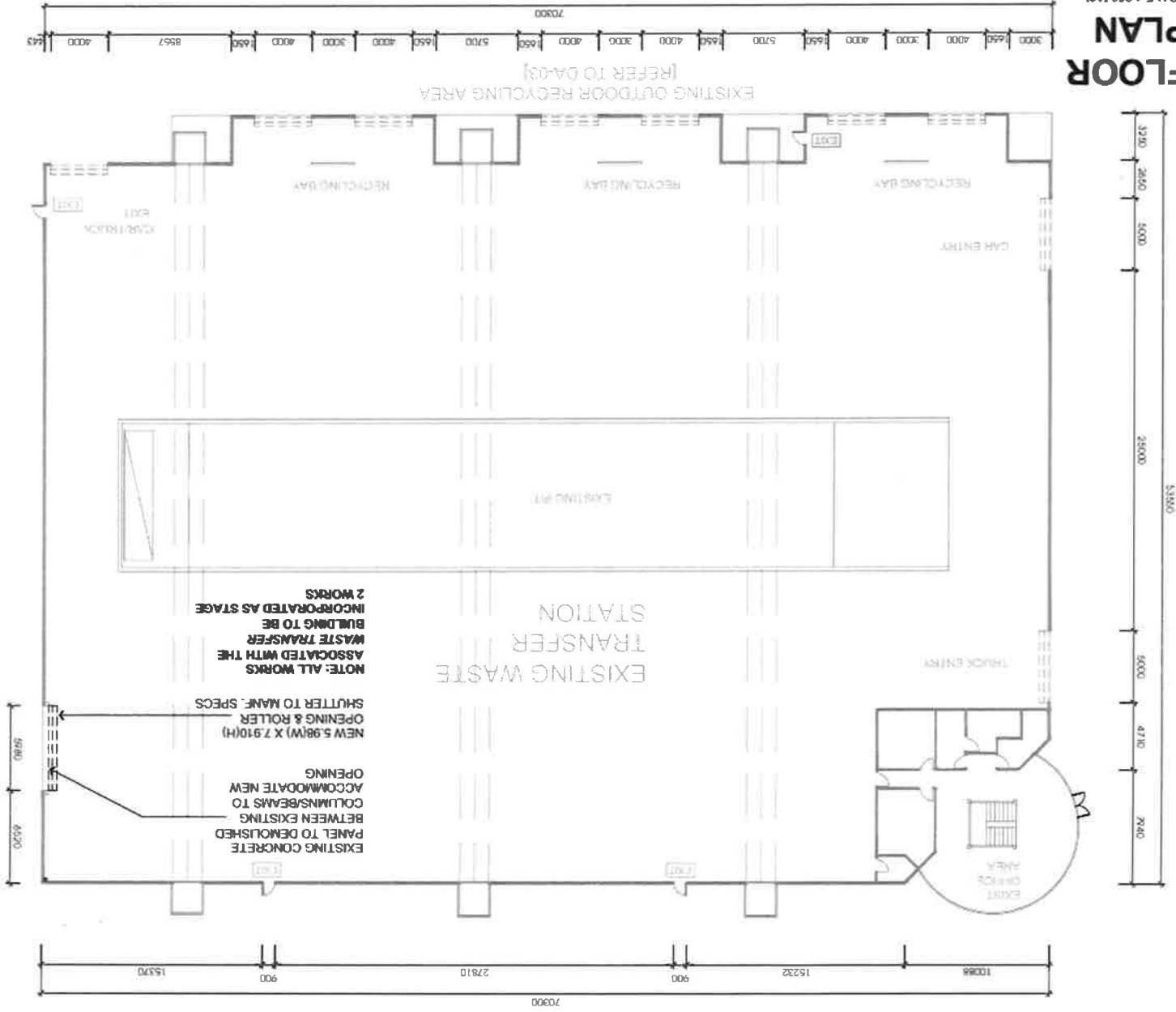


- AMENDMENTS:
- A PRELIMINARY ISSUE 02.08.18
  - B PRELIMINARY ISSUE 04.08.18
  - C ISSUED FOR SUBMISSION 22.09.18
  - D ISSUED FOR SUBMISSION 28.11.18

FOR INFORMATION  
SEE SHEET  
123456789  
123456789  
123456789  
123456789



**FLOOR PLAN**  
SCALE 1:250 (A3)



**#64**

PROJECT NO.

CC 04

SHEET NO.

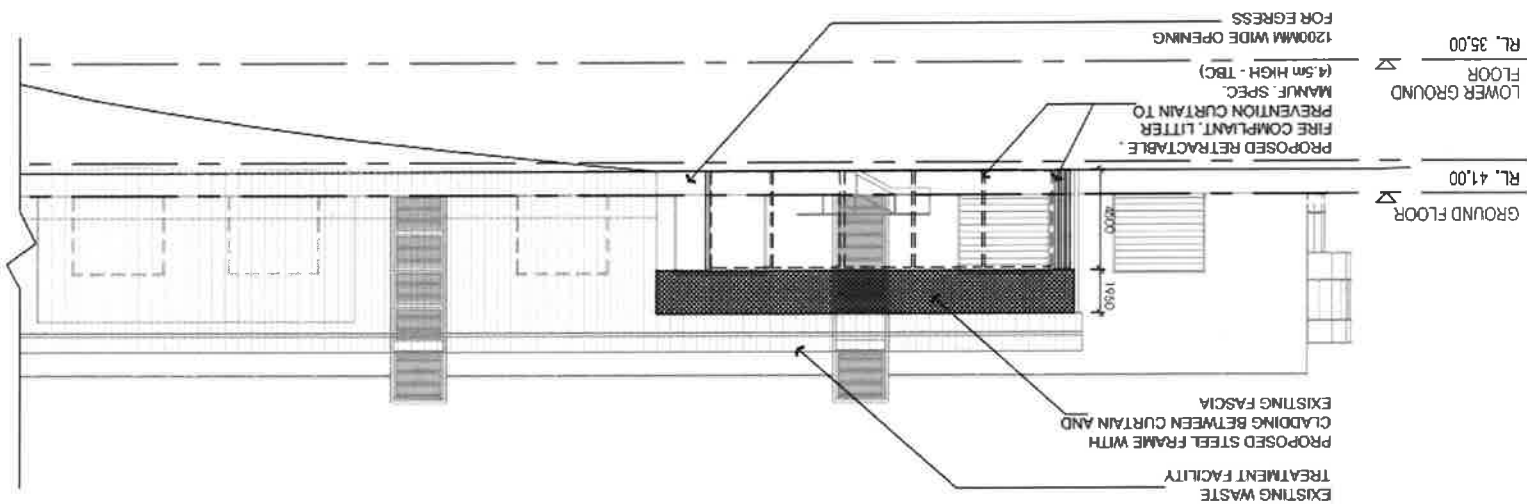


- APPROVALS:
- A. PRELIMINARY SCALE 1:250 18
  - B. PRELIMINARY SCALE 1:250 18
  - C. ISSUED FOR SUBMISSION 22.08.18
  - D. REISSUED FOR SUBMISSION 28.08.18



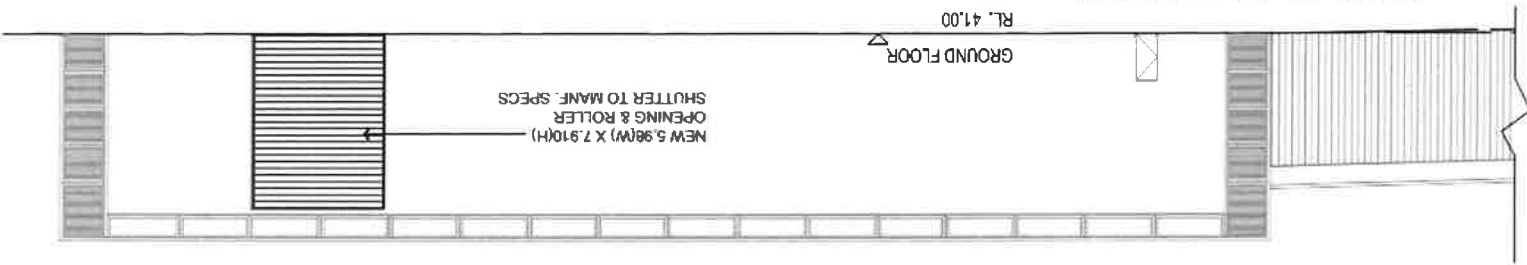
## WEST ELEVATION RECYCLING AREA

SCALE 1:200 (A3)



## SOUTH ELEVATION WASTE TRANSFER BUILDING

SCALE 1:200 (A3)



SHEET NO. CC 05  
PROJECT NO. #64

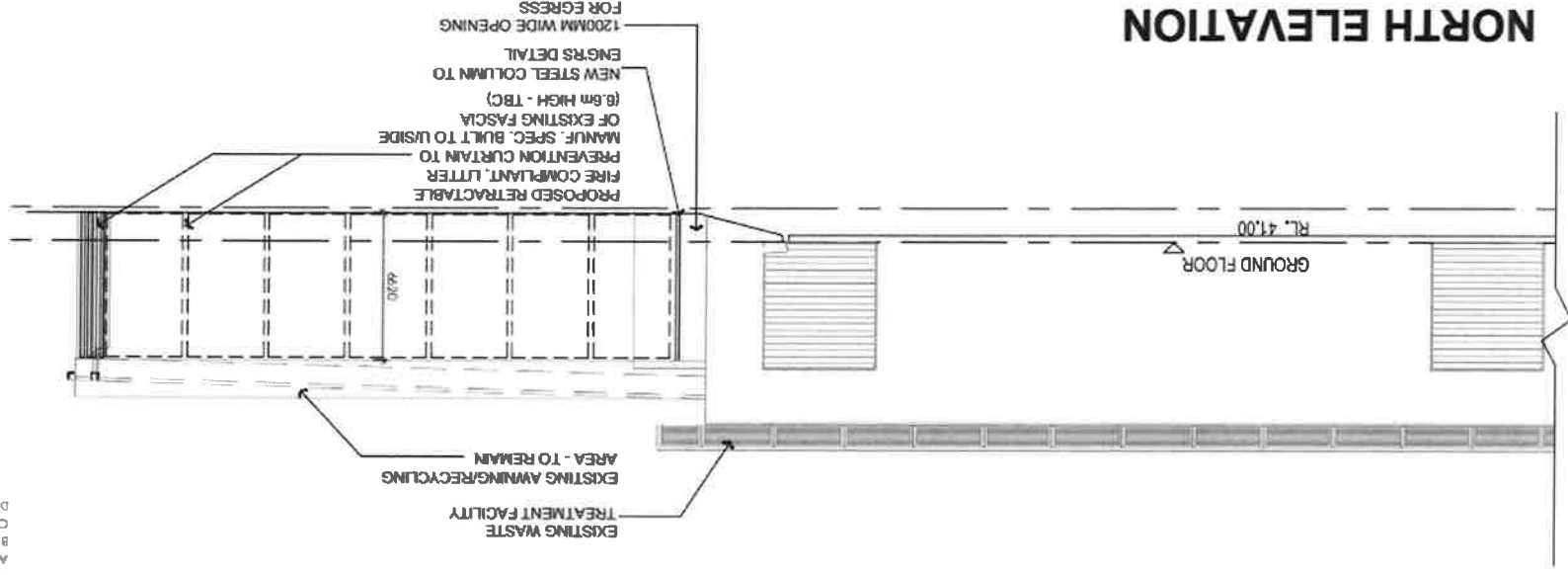
CORNERSTONE CIVIL  
PROFESSIONAL ADDRESS: 10/100 WETHERILL PARK DRIVE, WETHERILL PARK, NSW 2150  
CONTACT: 02 9630 1111

AMENDMENTS

A	PRELIMINARY ISSUE	02.08.16
B	PRELIMINARY ISSUE	04.08.18
C	ISSUED FOR SUBMISSION	22.08.19
D	ISSUED FOR SUBMISSION	28.01.18

BLACK & VEATCH  
ARCHITECTS  
100 WETHERILL PARK DRIVE  
WETHERILL PARK, NSW 2150  
02 9630 1111

**NORTH ELEVATION**  
**RECYCLING AREA**  
SCALE 1:200 (A3)



- AMENDMENTS:**
- |   |                        |          |
|---|------------------------|----------|
| A | PRELIMINARY ISSUE      | 02.08.18 |
| B | PRELIMINARY ISSUE      | 04.08.18 |
| C | REVISED FOR SUBMISSION | 22.08.18 |
| D | REVISED FOR SUBMISSION | 28.08.18 |



#64

SHEET NO. CC 06  
PROJECT NO. CC 06  
N

# Development Consent

## Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed on 14 September 2011, the Planning Assessment Commission (the Commission) of New South Wales, approves the Development Application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Development.



**Ross Carter**  
Member of the Commission



**Dianne Leeson**  
Member of the Commission

Sydney

11 September 2017

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### **SCHEDULE 1**

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alteration and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)

## TABLE OF CONTENTS

<b>DEFINITIONS.....</b>	<b>iii</b>
<b>PART A: ADMINISTRATIVE CONDITIONS .....</b>	<b>1</b>
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT.....	1
TERMS OF CONSENT.....	1
LIMITS OF CONSENT.....	1
STAGED SUBMISSION OF PLANS OR PROGRAMS.....	1
EVIDENCE OF CONSULTATION.....	2
STATUTORY REQUIREMENTS .....	2
DEMOLITION.....	2
STRUCTURAL ADEQUACY AND CERTIFICATION.....	2
UTILITIES AND SERVICES.....	2
PROTECTION OF PUBLIC INFRASTRUCTURE.....	2
OPERATION OF PLANT AND EQUIPMENT .....	3
COMPLIANCE .....	3
DEVELOPMENT CONTRIBUTIONS .....	3
REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS.....	3
SURRENDER OF CONSENTS .....	3
<b>PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT .....</b>	<b>5</b>
WASTE MANAGEMENT .....	5
AIR QUALITY.....	5
SOILS, WATER QUALITY AND HYDROLOGY.....	7
TRAFFIC AND ACCESS .....	8
NOISE.....	9
VIBRATION.....	9
HAZARDS AND RISK.....	10
LITTER AND PEST CONTROL .....	10
CONTAMINATION.....	10
TRANSGRID TRANSMISSION LINE EASEMENT .....	10
VISUAL AMENITY .....	11
<b>PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING.....</b>	<b>12</b>
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN .....	12
OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN.....	12
MANAGEMENT PLAN REQUIREMENTS .....	12
ANNUAL REVIEW .....	13
REPORTING.....	13
AUDITING.....	14
ACCESS TO INFORMATION .....	14
<b>APPENDIX A DEVELOPMENT LAYOUT PLANS.....</b>	<b>15</b>
<b>APPENDIX B APPLICANT’S MANAGEMENT AND MITIGATION MEASURES.....</b>	<b>21</b>

## DEFINITIONS

24 hours	Relating to one day, or happening only on one day
Applicant	SUEZ Recycling & Recovery Pty Ltd, or any other person(s) carrying out any development to which this consent applies
AS	Australian Standard
BCA	Building Code of Australia
CEMP	Construction Environmental Management Plan
Certifying Authority	A person who is authorised by or under section 109D of the EP&A Act to issue Part 4A certificates
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure permitted by this consent
Council	Fairfield City Council
Day	The period from 7 am to 6 pm on Monday to Saturday, and 8 am to 6 pm on Sundays and Public Holidays
Demolition	The removal of buildings, sheds and other structures on the site
Department	Department of Planning and Environment
Development	The development as described in the EIS and RTS, and as generally depicted in Appendix A
EIS	Environmental Impact Statement titled <i>Increasing Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated March 2016
ENM	Excavated Natural Material
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued by the EPA under the POEO Act
Evening	The period from 6 pm to 10 pm
Expanded Operations	The point at which site throughput of general solid waste (putrescible) exceeds 10,000 tpa
FIA	Flood Impact Assessment titled <i>Supplementary Flood Impact Assessment to Update the Wetherill Park EIS</i> prepared by Golder Associates Pty Ltd dated 11 October 2016
FRNSW	Fire and Rescue NSW
General solid waste (putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
General solid waste (non-putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
Heavy vehicle	Any vehicle with a gross vehicle mass of five tonnes or more
Incident	A set of circumstances causing or threatening material harm to the environment, and/or an exceedance of the limits or performance criteria in this consent
Land	In general, the definition of land is consistent with the definition in the EP&A Act
Management & Mitigation Measures	The Applicant's management and mitigation measures contained in the EIS/RTS and included in Appendix B
Material harm to the environment	Harm to the environment is material if it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning (or delegate)
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
Monitoring	Any monitoring required under this consent must be undertaken in accordance with section 122C of the EP&A Act
Night	The period from 10 pm to 7 am on Monday to Saturday, and 10 pm to 8 am on Sundays and Public Holidays
OEMP	Operational Environmental Management Plan
Operation	The receipt, sorting, separating, processing and removal of waste
PCA	Principal Certifying Authority authorised under section 109D of the EP&A Act
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
POEO (Waste) Regulation	<i>Protection of the Environment (Waste) Regulation 2014</i>
RTS	Response to Submissions titled <i>Increase Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated 11 October 2016 and <i>Further Response to Submissions</i> prepared by the SITA Australia Pty Ltd dated 8 December 2016
Secretary	Secretary of the Department (or nominee)

Sensitive Receivers

A location where people are likely to work or reside, this may include a dwelling, school, hospital, office or public recreational area

Site

The land listed in Schedule 1

VENM

Virgin Excavated Natural Material as defined in the POEO Act

Waste

As defined in the POEO Act

Weighbridge

A weighbridge that is verified in accordance with the *National Measures Act 1960*

## SCHEDULE 2

### PART A: ADMINISTRATIVE CONDITIONS

#### OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- A1. In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development.

#### TERMS OF CONSENT

- A2. The Applicant, in acting on this consent, must carry out the Development in accordance with the:
- (a) State significant development application SSD 7267;
  - (b) EIS and RTS;
  - (c) conditions in Schedule 2;
  - (d) development layout plans and drawings listed in Appendix A; and
  - (e) the Management and Mitigation Measures as identified in Appendix B.
- A3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.
- A4. The Applicant must comply with all written requirement(s) of the Secretary arising from the Department's assessment of:
- (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;
  - (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with the consent; and
  - (c) the implementation of any actions or measures contained in these documents.

#### LIMITS OF CONSENT

- A5. This consent lapses five years after the date from which it operates, unless the Development has physically commenced on the land to which the consent applies before the date on which the consent would otherwise lapse under section 95 of the EP&A Act.
- A6. The Applicant must not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by an EPL.
- A7. The Applicant must not receive or process on site more than:
- (a) 140,000 tpa of general solid waste (putrescible);
  - (b) 90,000 tpa of general solid waste (non-putrescible); and
  - (c) 10 m<sup>3</sup> of asbestos waste per week.
- A8. The Applicant must not receive or process on site more than 575 m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) in any 24-hour period.
- A9. The Applicant must not store general solid waste (putrescible) at the site for more than 24 hours from the time of receipt.

#### STAGED SUBMISSION OF PLANS OR PROGRAMS

- A10. With the approval of the Secretary, the Applicant may:
- (a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
  - (b) combine any strategy, plan or program required by this consent.
- A11. If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program. A clear relationship between the strategy, plan or program that is to be combined must be demonstrated.



## **REQUEST FOR INFORMATION**

- A12. The Applicant must retain all weighbridge records as required by the POEO (Waste) Regulation and for the life of the development. The weighbridge records must be made immediately available on request by the Secretary and/or the EPA.
- A13. The Applicant must retain waste classification records for all wastes received on the site and waste disposed from the site for the life of the development. The waste classification records must be made immediately available on request by the EPA and/or the Secretary.

## **EVIDENCE OF CONSULTATION**

- A14. Where consultation with any public authority is required by the conditions of this consent, the Applicant must:
- (a) consult with the relevant public authority prior to submitting the required documentation to the Secretary or the PCA for approval;
  - (b) submit evidence of such consultation as part of the relevant documentation required by the conditions of this consent;
  - (c) describe how matters raised by the public authority have been addressed and identify matters that have not been resolved; and
  - (d) include the details of any outstanding issues raised by the relevant public authority and an explanation of disagreement between any public authority and the Applicant.

## **STATUTORY REQUIREMENTS**

- A15. The Applicant must ensure that all licences, permits and approval/consents are obtained as required by law and maintained as required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approval/consents.

## **DEMOLITION**

- A16. The Applicant must ensure that all demolition associated with the Development is carried out in accordance with Australian Standard AS 2601:2001: The Demolition of Structures, or its latest version and the requirements of the Work Health and Safety Regulation, 2011.

## **STRUCTURAL ADEQUACY AND CERTIFICATION**

- A17. The Applicant must ensure all new buildings and structures, and any alterations or additions to existing buildings and structures are constructed in accordance with the relevant requirements of the BCA.
- A18. Prior to the issue of the Final Occupation Certificate, adjustments to any public utilities necessitated by the development are to be completed in accordance with the requirements of the relevant Authority. Any utility costs are to be at no cost to Council.

## **UTILITIES AND SERVICES**

- A19. Prior to the construction of any utility works associated with the Development, the Applicant must obtain relevant approvals from service providers.
- A20. Prior to the commencement of construction, Approved Plans must be submitted to the Sydney Water "Tap In" service to determine if the development will have any impacts on Sydney Water assets.
- A21. Prior to the commencement of expanded operations, the Applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the *Sydney Water Act 1994*.

## **PROTECTION OF PUBLIC INFRASTRUCTURE**

- A22. Prior to the commencement of construction, the Applicant must:
- (a) consult with the relevant owner and/or provider of services that are likely to be affected by the Development to make suitable arrangements for access to, diversion, protection, and/or support of the affected infrastructure;
  - (b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths); and
  - (c) submit a copy of this report to the Secretary and Council.

- A23. Unless the Applicant and the applicable authority agree otherwise, the Applicant must:
- (a) repair, or pay the full costs associated with repairing any public infrastructure that is damaged by the Development; and
  - (b) relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the Development.

#### **OPERATION OF PLANT AND EQUIPMENT**

- A24. The Applicant must ensure that all plant and equipment used for the Development is:
- (a) maintained in a proper and efficient condition; and
  - (b) operated in a proper and efficient manner.

#### **COMPLIANCE**

- A25. The Applicant must ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent relevant to their respective activities.

#### **DEVELOPMENT CONTRIBUTIONS**

- A26. Prior to the issue of a Construction Certificate for any part of the Development, the Applicant must pay \$32,795.06 to Council in accordance with the Fairfield City Council Indirect (Section 94A) Development Contributions Plan 2011.

***Note:** The contribution and the amount payable may be adjusted at the date of payment. Any unpaid contributions will be adjusted on a quarterly basis to account for movements in the Australian Bureau of Statistics, producer Price index – Building Construction (NSW South Wales).*

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS**

- A27. Prior to the commencement of expanded operations, the Applicant must ensure a Final Occupation Certificate or a Compliance Certificate has been issued for the following:
- (a) additional pavement and hardstand areas;
  - (b) stormwater system;
  - (c) the construction of an additional exit from the main transfer building to improve internal traffic flow
  - (d) roller shutter within existing waste transfer building; and
  - (e) workshop.

#### **SURRENDER OF CONSENTS**

- A28. In order for the development of land to proceed in a coordinated and orderly manner and to avoid potential conflicts with this consent, the Applicant must and in the manner prescribed by clause 97 of the EP&A Regulation, surrender the development consents described in **Table 1** prior to the commencement of expanded operations.

**Table 1: Consents to be Surrendered**

<b>Determination Date</b>	<b>DA Number</b>	<b>Details</b>
22 November 1989	483A/89	Construction and operation of a non-putrescible waste transfer station.
23 March 2004	2192/2003	Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.
28 October 2005	816/2005	Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
10 November 2005	758/2005	Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
27 September 2007	1557/06	Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material
23 December 2009	426.1/2009	Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.
2 December 2010	1028.1/2010	Retailing of compost material

## PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT

### WASTE MANAGEMENT

#### Receipt, Storage & Handling of Waste

- B1. The Applicant shall only receive waste on site that is authorised for receipt by an EPL.
- B2. The Applicant shall ensure any waste generated on the site during construction is classified in accordance with the EPA's *Waste Classification Guidelines, 2014* or its latest version, and disposed of to a facility that may lawfully accept the waste.
- B3. The Applicant shall:
- (a) implement auditable procedures to:
    - i. ensure the site does not accept wastes that are prohibited;
    - ii. screen incoming waste loads; and
  - (b) ensure that:
    - i. all waste types that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site;
    - ii. all waste received at the site must be recorded in accordance with clause 27 of the POEO (Waste) Regulation;
    - iii. details of the quantity, type and source of wastes received on the site must be provided to the EPA and the Secretary when requested;
    - iv. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste;

#### Wastewater

- B4. The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.
- B5. The Applicant must ensure the first flush detention tank is bunded in accordance with:
- (a) all relevant Australian Standards;
  - (b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
  - (c) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin* (EPA,1997).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

### AIR QUALITY

#### Meteorological Station

- B6. Prior to the commencement of any works on-site, the Applicant must install a suitable meteorological station on the site that complies with the requirements in the EPA's *Approved Methods for Sampling of Air Pollutants in New South Wales*.

#### Odour Management

- B7. The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
- B8. Prior to the commencement of expanded operations and to the satisfaction of the EPA, the Applicant must:
- (a) install deodorising sprays over the vehicle entrance and exits; and
  - (b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.
- B9. During operations, the Applicant must:
- (a) conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;
  - (b) conduct annual wash down of interior walls and surfaces;
  - (c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and
  - (d) ensure that deodorising sprays are operational at all times.

## Dust Management

- B10. The Applicant must implement all measures to minimise dust generated during construction and operation of the Development.
- B11. During construction, the Applicant must ensure that:
- (a) exposed surfaces and stockpiles are suppressed by regular watering;
  - (b) all trucks entering or leaving the site with loads have their loads covered;
  - (c) trucks associated with the Development do not track dirt onto the public road network; and
  - (d) public roads used by these trucks are kept clean.
- B12. Prior to the commencement of expanded operations, the Applicant must:
- (a) install dust suppression sprays over the vehicle entry and exit; and
  - (b) install interior liner panels to facilitate wash down
- B13. During operations, the Applicant must:
- (a) conduct weekly cleaning of surge pit and tipping area where interior walls have been contaminated with putrescible waste;
  - (b) conduct a six-monthly brush down of interior walls; and
  - (c) ensure that dust suppression sprays are operational when waste is being tipped and processed.

## Odour Management Plan

- B14. Prior to the commencement of expanded operations, the Applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and the Secretary. The OMP must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6. The OMP must:
- (a) be prepared by a suitably qualified and experienced person(s) in consultation with the EPA;
  - (b) describe the measures that would be implemented on-site to ensure:
    - i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;
    - ii. compliance with the relevant conditions of this consent;
    - iii. compliance if adverse odour emissions occur or appear likely to occur;
  - (c) include an ongoing monitoring program;
  - (d) include well defined triggers for the deployment of odour mitigation and contingency measures; and
  - (e) include a protocol which includes contingency measures for system failures.
- B15. The Applicant shall ensure the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

## Odour Audit

- B16. The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of expanded operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:
- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
  - (b) audit the Development in full operation;
  - (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
  - (d) validate the Development against odour impact predictions in the EIS and the RTS;
  - (e) review the design and management practices in the Development against industry best practice for odour management;
  - (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
    - i. mechanical ventilation;
    - ii. operation of the building under negative pressure to minimise fugitive emissions; and
    - iii. odour capture and control options.
  - (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

**Note:** *The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.*

- B17. Within two months of commissioning of the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.

- B18. The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.

## **SOILS, WATER QUALITY AND HYDROLOGY**

### **Discharge Limits**

- B19. The Development must comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.

### **Flood Management**

- B20. Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP) for the Development in consultation with Council and to the satisfaction of the Secretary. The Plan must form part of the CEMP and OEMP required by Conditions C1 and C4 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) address the provisions of the Floodplain Risk Management Guideline (OEH 2007);
  - (c) include details of:
    - i. the flood emergency responses for both construction and operation phases of the Development;
    - ii. predicted flood levels;
    - iii. flood warning time and flood notification;
    - iv. assembly points and evacuation routes;
    - v. evacuation and refuge protocols; and
    - vi. awareness training for employees and contractors.
- B21. The Applicant shall ensure the FERP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.
- B22. During construction and operation of the Development, the Applicant must not use the driveways modelled as high hazard in the FIA as an evacuation route during times of flooding.

### **Stormwater Management System**

- B23. The Applicant must design, install and operate a stormwater management system for the Development. The system must:
- (a) be designed by a suitably qualified and experienced person(s);
  - (b) be generally in accordance with the conceptual design in the EIS and applicable Australian Standards;
  - (c) ensure that the system capacity has been designed in accordance with *Australian Rainfall and Runoff (Engineers Australia, 2016)* and *Managing Urban Stormwater: Council Handbook (EPA, 1997)*;
  - (d) divert existing clean surface water around operational areas of the site;
  - (e) prevent firewater and contaminated water from entering the stormwater management system;
  - (f) direct all sediment laden water in overland flow away from the leachate management system; and
  - (g) prevent cross-contamination of clean and sediment or leachate laden water.

### **Chemical Spills and Fire Water Containment**

- B24. To ensure that chemical spills and fire-water are contained on-site, prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:
- (a) the stormwater isolation valve is automatically initiated upon either sprinkler activation and/or alternatively via activation of any Manual Call Point installed within the site;
  - (b) the stormwater isolation valve functionality should include a fail-safe function on power failure which automatically closes the valve. The stormwater isolation valve must remain in the closed position until a manual over-ride function is initiated upon confirmation that stormwater isolation is no longer required or once any contaminated water is disposed via trade waste or at a site that can lawfully receive the waste; and
  - (c) the location of the stormwater isolation valve and any associated controls must be clearly identified on the site's fire hydrant block plan, fire sprinkler block plan and the site plan located within the site's Emergency Response Plan.

### **Sprinkler and Fire Hydrant System**

- B25. Prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:
- (a) the sprinkler system has extended coverage across the surge pit and load-out chutes; and
  - (b) the fire hydrant system is designed, installed and commissioned in accordance with AS 2419.1-2005.

## **Imported Soil**

- B26. The Applicant must:
- (a) ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;
  - (b) keep accurate records of the volume and type of fill to be used; and
  - (c) make these records available to the Department upon request.

## **Erosion and Sediment Control**

- B27. Prior to the commencement of construction, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the *Managing Urban Stormwater: Soils and Construction Guideline* and the Erosion and Sediment Control Plan included in the CEMP required by Condition C1.

## **TRAFFIC AND ACCESS**

### **Parking**

- B28. Prior to the commencement of expanded operations, the Applicant must provide 21 on-site parking spaces for visitors and staff (including one accessible parking space) and 12 on-site parking spaces for heavy vehicles to ensure that traffic associated with the Development does not utilise public and residential streets or public parking facilities. Parking areas must be constructed in accordance with the latest version of AS 2890.

### **Operating Conditions**

- B29. The Applicant must ensure:
- (a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Development are constructed and maintained in accordance with the latest version of AS 2890.1 and AS 2890.2;
  - (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTRROADS guidelines;
  - (c) the Development does not result in any vehicles queuing on the public road network;
  - (d) heavy vehicles and bins associated with the Development are not parked on local roads or footpaths in the vicinity of the site;
  - (e) all vehicles are wholly contained on site before being required to stop;
  - (f) all loading and unloading of materials is carried within the waste transfer station building;
  - (g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network;
  - (h) the weighbridge stop line is moved 3 m to the west to prevent queuing on Davis Road; and
  - (i) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.

### **Operational Traffic Management Plan**

- B30. Prior to the commencement of expanded operations, the Applicant must prepare an Operational Traffic Management Plan (OTMP) for the Development to the satisfaction of the Secretary. The plan must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) be prepared in consultation with Council;
  - (c) detail the measures that are to be implemented to ensure road safety and network efficiency including restricting queuing or parking of vehicles on Davis Road;
  - (d) detail heavy vehicle routes, access and parking arrangements;
  - (e) include a Driver Code of Conduct to:
    - i. minimise the impacts on the local and regional road network;
    - ii. minimise conflicts with other road users;
    - iii. minimise road traffic noise;
    - iv. ensure truck drivers use specified routes; and
    - v. include a program to monitor the effectiveness of these measures.
- B31. The Applicant shall ensure the OTMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

## NOISE

### Hours of Work

B32. The Applicant must comply with the hours detailed in **Table 2**;

**Table 2: Hours of Work**

Activity	Day	Time
Earthworks and construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
Operation	Monday – Sunday	24 hours

B33. Works outside of the hours identified in Condition B32 may be undertaken in the following circumstances:

- works that are inaudible at the nearest sensitive receivers;
- works agreed to in writing by the Secretary;
- for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or
- where it is required in an emergency to avoid the loss of lives, property and /or prevent environmental harm.

### Construction Noise Limits

B34. The Development must be constructed to achieve the construction noise management levels detailed in the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009). All noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the EIS.

### Operational Noise Limits

B35. The Applicant must ensure that noise generated by operation of the Development does not exceed the noise limits in **Table 3**.

**Table 3: Noise Limits dB(A)**

Location	Day	Evening	Night	Night
	L <sub>Aeq</sub> (15 minute)	L <sub>Aeq</sub> (15 minute)	L <sub>Aeq</sub> (15 minute)	L <sub>A1</sub> (1 minute)
All residential receivers	35	35	35	45

**Note:** Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.

### Noise Mitigation

B36. The Applicant must:

- implement best practice, including all noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the development;
- minimise the noise impacts of the development during adverse meteorological conditions;
- maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant and equipment is not being used operationally until fully repaired; and
- regularly assess noise emissions and relocated, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.

### Construction and Operational Noise Management

B37. The Applicant must ensure that all its vehicles are fitted with a broadband reversing alarm.

## VIBRATION

### Vibration Criteria

B38. Vibration caused by construction at any residence or structure outside the site must be limited to:

- for structural damage, German Standard DIN 4150 Part 3 Structural Vibration in Buildings. Effects on Structures; and
- for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: A Technical Guideline (Department of Environment and Conservation, 2006).



## HAZARDS AND RISK

- B39. The Applicant must store all chemicals, fuels and oils used on-site in accordance with:
- (a) the requirements of all relevant Australian Standards; and
  - (b) the NSW EPA's '*Storing and Handling of Liquids: Environmental Protection – Participants Handbook*' if the chemicals are liquids.

In the event of an inconsistency between the requirements listed from (a) to (b) above, the most stringent requirement must prevail to the extent of the inconsistency.

### Dangerous Goods

- B40. The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's *Hazardous and Offensive Development Application Guidelines – Applying SEPP 33* at all times.
- B41. Dangerous goods, as defined by the *Australian Dangerous Goods Code*, must be stored and handled strictly in accordance with:
- (d) all relevant Australian Standards;
  - (e) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
  - (f) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin* (EPA,1997).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

## LITTER AND PEST CONTROL

### Pests, Vermin and Noxious Weed Management

- B42. The Applicant must:
- (a) ensure all waste loads are covered unless within the waste transfer station building; and
  - (b) maintain the site in a clean and tidy state at all times.
- B43. The Applicant must:
- (a) implement suitable measures to manage pests, vermin and declared noxious weeds on the site; and
  - (b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.

**Note:** For the purposes of this condition, noxious weeds are those species subject to an order declared under the Noxious Weed Act 1993.

## CONTAMINATION

- B44. Prior to the commencement of construction, the Applicant must prepare an unexpected finds protocol to ensure that potentially contaminated material is appropriately managed. The protocol must form part of the CEMP required by Condition C1 and must ensure any material identified as contaminated must be disposed off-site, with the disposal location and results of testing submitted to the Secretary, prior to its removal from the site.

## TRANSGRID TRANSMISSION LINE EASEMENT

- B45. The Applicant must ensure no works of any kind are permitted within the 20-metre exclusion zone surrounding the transmission line tower.
- B46. The Applicant must ensure that the existing ground level is to be retained at the site and the AUS7000 clearance requirement shall be met for the proposed driveway within TransGrid's easement.
- B47. The Applicant must ensure that all works shall be carried out in accordance with the NSW WorkCover's '*Work Near Overhead Power Lines' Code of Practice 2006* and *TransGrid's Easement Guidelines for Third Party Development (V10)*. A safe unobstructed working platform shall be preserved around the transmission line structures for access by EWP, cranes as well as other large plant and equipment. No obstructions of any type shall be placed within 30 metres of any part of a transmission line structure.

- B48. The Applicant must ensure that the design of access ways/roads to TransGrid's easement and structures shall cater for the weight and size of TransGrid's maintenance vehicles that have a 40 tonne load capacity.
- B49. The Applicant must ensure that all activities and operating plant within the easement are limited to a height restriction of 4.3 m above ground height to ensure safe clearances to the overhead powerline.
- B50. During construction, the Applicant must take adequate precautions to protect structures from accidental damage.
- B51. The Applicant must ensure that the easement area shall not be used for temporary storage of construction spoil, topsoil, gravel or any other construction material.
- B52. The Applicant must ensure that no obstruction of any type shall be placed within 30 m of any part of a transmission line structure.
- B53. During construction, the Applicant must ensure that TransGrid have unrestricted access for the purpose of undertaking normal maintenance and inspection activities. At completion of works, access to transmission lines and structures must be freely available at all times for TransGrid plant and personnel.
- B54. The Applicant must provide formal written notification of any amendment and/or additional works proposed to the subject site. Any additional works proposed within the easement require an assessment by TransGrid to ensure that clearances to transmission lines and structures are met. TransGrid's clearance requirements must be met to ensure public safety.

## **VISUAL AMENITY**

### **Lighting**

- B55. The Applicant must ensure the lighting associated with the Development:
- (a) complies with the latest version of AS 4282 (INT) - Control of Obtrusive Effects of Outdoor Lighting; and
  - (b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.

## **PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING**

### **CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN**

- C1. The Applicant must prepare a Construction Environmental Management Plan (CEMP) to the satisfaction of the Secretary. The CEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of construction;
  - (b) identify the statutory approvals that apply to the Development;
  - (c) outline all environmental management practices and procedures to be followed during construction works associated with the Development;
  - (d) explain the controls that would be implemented to minimise dust emissions during construction of the Development;
  - (e) describe all activities to be undertaken on the site during construction of the Development, including a clear indication of construction stages;
  - (f) detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts;
  - (g) describe the roles and responsibilities for all relevant employees involved in construction works associated with the Development; and
  - (h) include the management plans required under Condition C2 of this consent.
- C2. As part of the CEMP required under Condition C1 of this consent, the Applicant must include the following:
- (a) FERP (see Condition B20); and
  - (b) Erosion and Sediment Control Plan (see Condition B27).
- C3. The Applicant must carry out the construction of the Development in accordance with the CEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### **OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN**

- C4. The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation;
  - (b) be prepared by a suitably qualified and experienced expert;
  - (c) provide the strategic framework for environmental management of the Development;
  - (d) identify the statutory approvals that apply to the Development;
  - (e) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;
  - (f) describe the procedures that would be implemented to:
    - i. keep the local community and relevant agencies informed about the operation and environmental performance of the Development;
    - ii. receive, handle, respond to, and record complaints;
    - iii. resolve any disputes that may arise;
    - iv. respond to any non-compliance;
    - v. respond to emergencies; and
  - (g) include the following environmental management plans:
    - i. OMP (see Condition B14);
    - ii. FERP (see Condition B20);
    - iii. OTMP (see Condition B30); and
- C5. The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### **MANAGEMENT PLAN REQUIREMENTS**

- C6. The Applicant must ensure that the environmental management plans required under Condition C1 and Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:
- (a) detailed baseline data;
  - (b) a description of:
    - i. the relevant statutory requirements (including any relevant approval, licence or lease conditions);
    - ii. any relevant limits or performance measures/criteria; and
    - iii. the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the Development or any management measures;

- (c) a description of the management measures that would be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria;
- (d) a program to monitor and report on the:
  - i. impacts and environmental performance of the Development; and
  - ii. effectiveness of any management measures (see (c) above);
- (e) a contingency plan to manage any unpredicted impacts and their consequences;
- (f) a program to investigate and implement ways to improve the environmental performance of the Development over time;
- (g) a protocol for managing and reporting any:
  - i. incidents;
  - ii. complaints;
  - iii. non-compliances with statutory requirements; and
  - iv. exceedances of the impact assessment criteria and/or performance criteria; and
- (h) a protocol for periodic review of the plan.

### Revision of Strategies, Plans and Programs

- C7. Within three months of:
- (a) approval of a modification;
  - (b) approval of an annual review under Condition C8;
  - (c) submission of an incident report under Condition C9; or
  - (d) completion of an audit under Condition C12,

the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.

**Note:** *This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.*

### ANNUAL REVIEW

- C8. Each year, the Applicant must review the environmental performance of the Development to the satisfaction of the Secretary. This review must:
- (a) describe the development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;
  - (b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the:
    - i. the relevant statutory requirements, limits or performance measures/criteria;
    - ii. requirements of any plan or program required under this consent;
    - iii. the monitoring results of previous years; and
    - iv. the relevant predictions in the EIS;
  - (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
  - (d) identify any trends in the monitoring data over the life of the Development;
  - (e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and
  - (f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.

### REPORTING

#### Incident Reporting

- C9. Within 24 hours of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment, a report shall be supplied to the Department outlining the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventive measures. That report must be submitted to the Secretary no later than 14 days after the incident or potential incident.
- C10. The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the independent Hazard Auditor and the Department.

## Regular Reporting

- C11. The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

## AUDITING

### Independent Environmental Audit

- C12. Within one year of the commencement of operation, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the Development. Division 2B of Part 6 of the EP&A Act applies to these audits, which are for the purposes of ascertaining information in relation to the environmental performance of the Development and the adequacy of strategies, plans and programs. Audits must:
- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
  - (b) include consultation with the relevant agencies;
  - (c) assess the environmental performance of the Development and assess whether it is complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan or program required under these approvals);
  - (d) review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
  - (e) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.

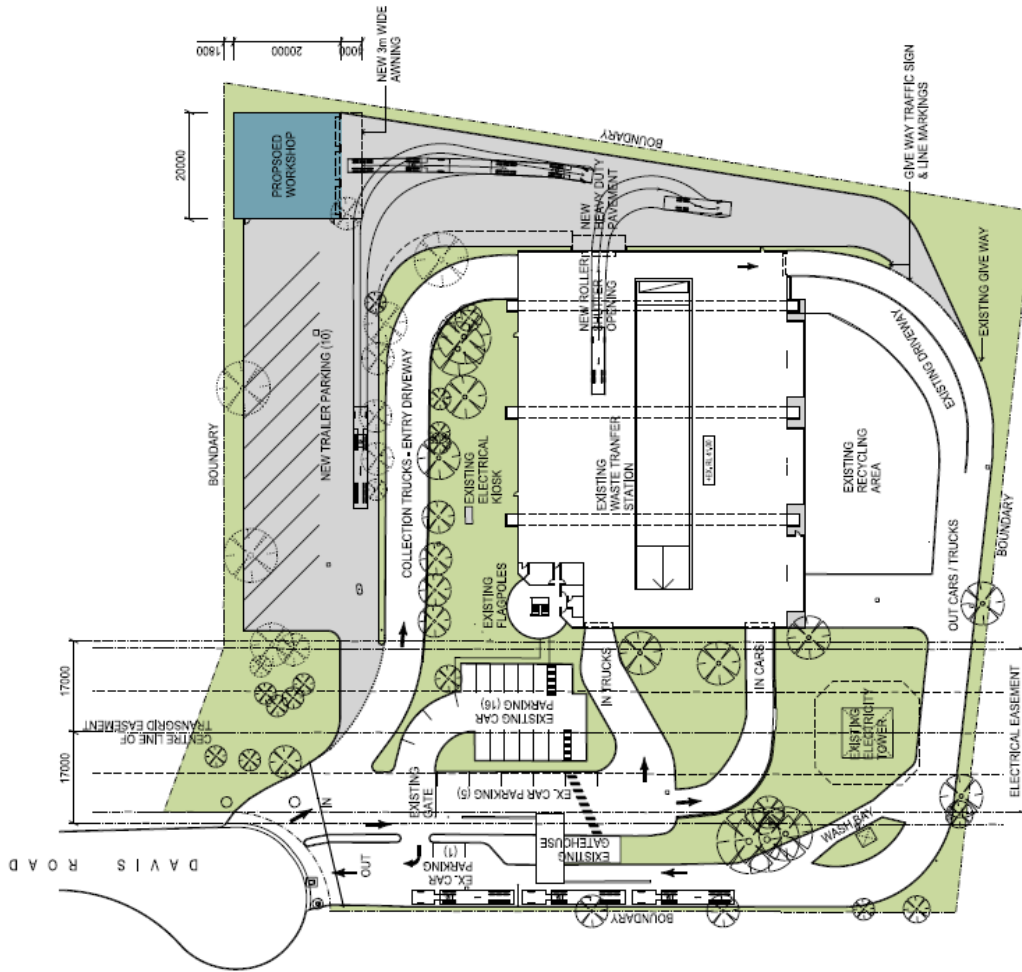
**Note:** *This audit team must be led by a suitably qualified auditor, and include relevant experts in any other fields specified by the Secretary.*

- C13. Within three months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The Applicant must implement these recommendations to the satisfaction of the Secretary.

## ACCESS TO INFORMATION

- C14. The Applicant must:
- (a) make copies of the following publicly available on its website:
    - i. the documents referred to in Condition A2;
    - ii. all current statutory approvals for the Development;
    - iii. all approved strategies, plans and programs required under the conditions of this consent;
    - iv. a comprehensive summary of the monitoring results of the Development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;
    - v. a complaint register updated on a monthly basis;
    - vi. the annual reviews of the Development;
    - vii. any independent environmental audit of the Development and the Applicant's response to the recommendations in any audit;
    - viii. any other matter required by the Secretary; and
    - ix. keep this information up to date, to the satisfaction of the Secretary.

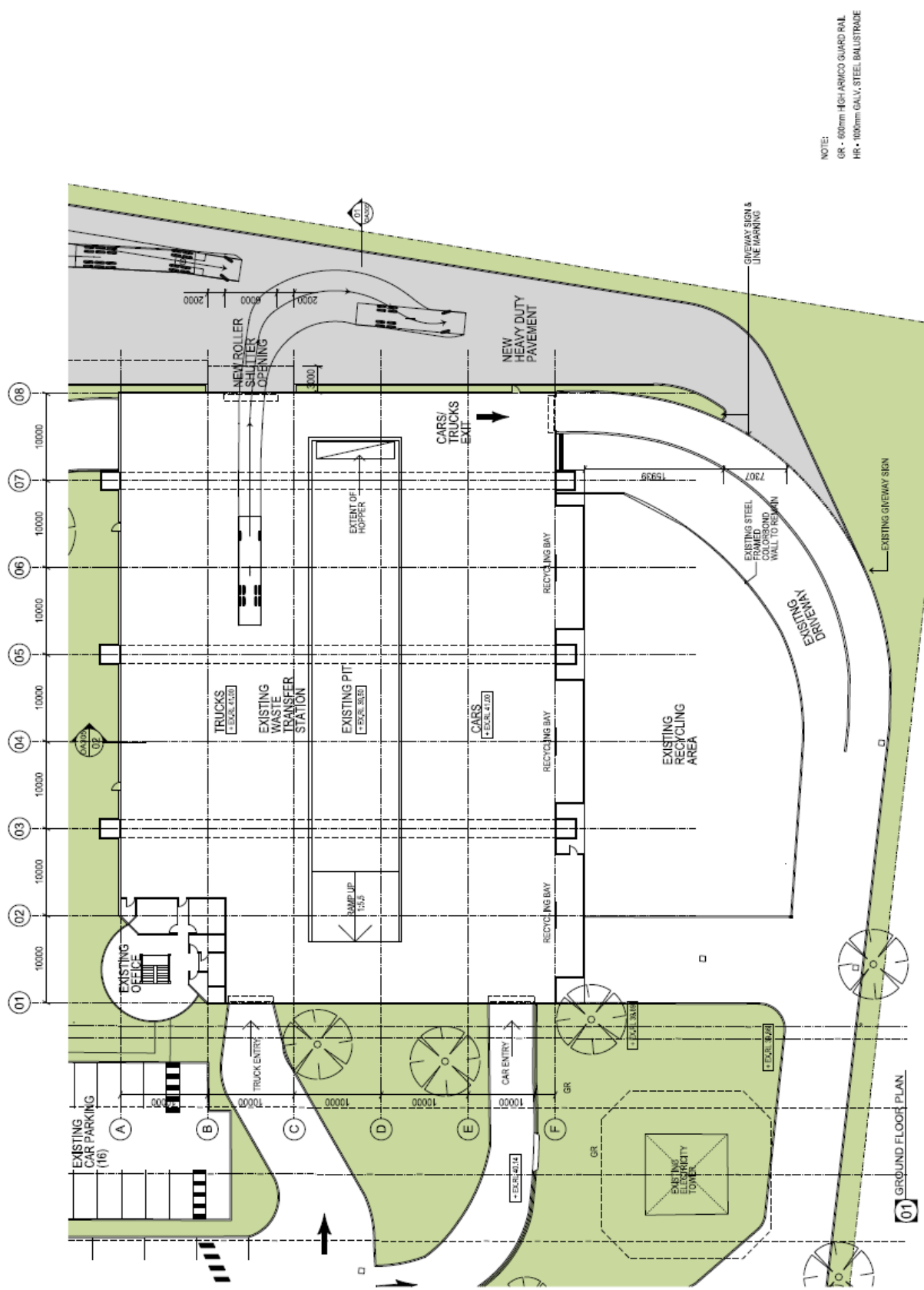
# APPENDIX A DEVELOPMENT LAYOUT PLANS



01 SITE PLAN

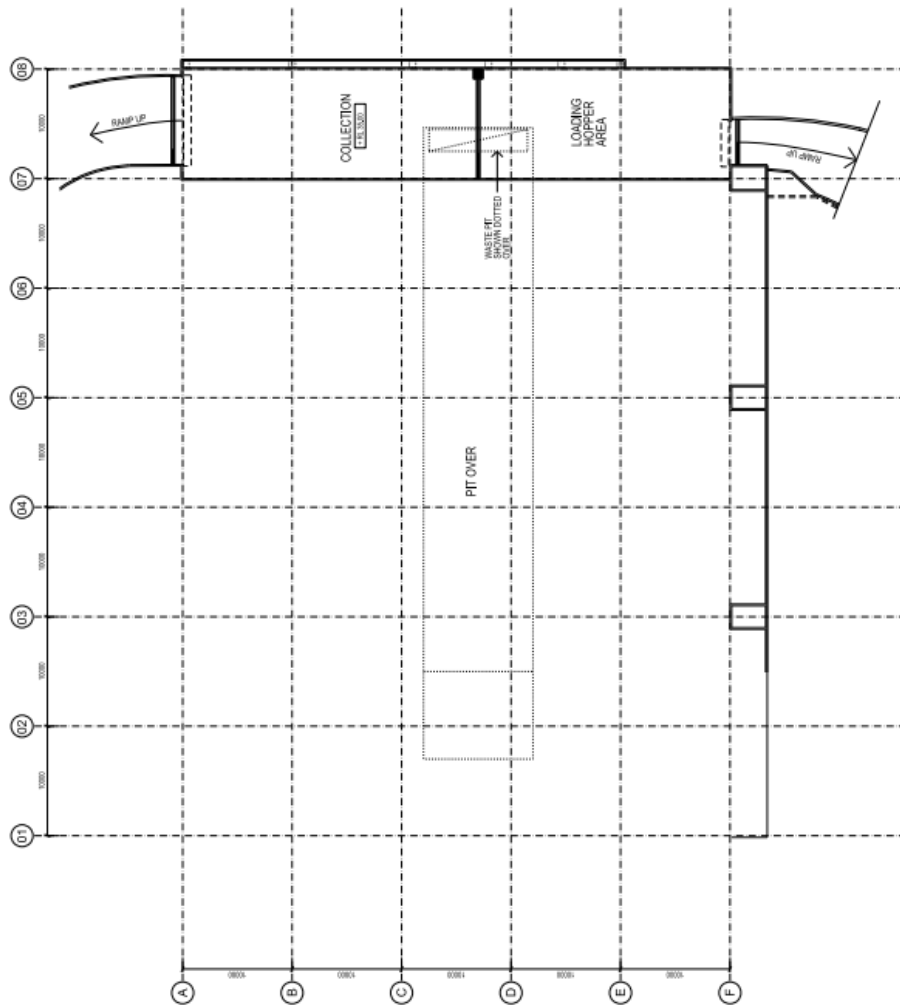
NOTES:  
1. THE PROPOSED TRUCK PARKING, DRIVEWAYS AND MANOURING AREA ARE DESIGNED IN ACCORDANCE WITH AS2890.1 & AS 2890.2

<p>From this date, all work on this project must be done in accordance with the current version of the relevant standards and codes of practice.</p> <p>PLEASE CONSULT THE DESIGN PROFESSIONAL TO OBTAIN THE LATEST VERSION OF THIS DOCUMENT AND TO BE AWARE OF ANY CHANGES TO THE DESIGN.</p> <p>THIS DOCUMENT MUST BE USED FOR CONSTRUCTION OF THE PROJECT AND NOT FOR ANY OTHER PURPOSE.</p>				<p>PROJECT NAME: Wetherill Park Resource Recovery Facility</p> <p>PROJECT No: 15233</p> <p>DATE: 15/08/2018</p> <p>DESIGNER: [Name]</p> <p>DRAWN: [Name]</p> <p>CHECKED: [Name]</p> <p>APPROVED: [Name]</p> <p>Scale: DA 101 G</p>
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NOTE:  
 GR - 600mm HIGH ARWCO GUARD RAIL  
 HR - 1000mm GALLY STEEL BALUSTRADE

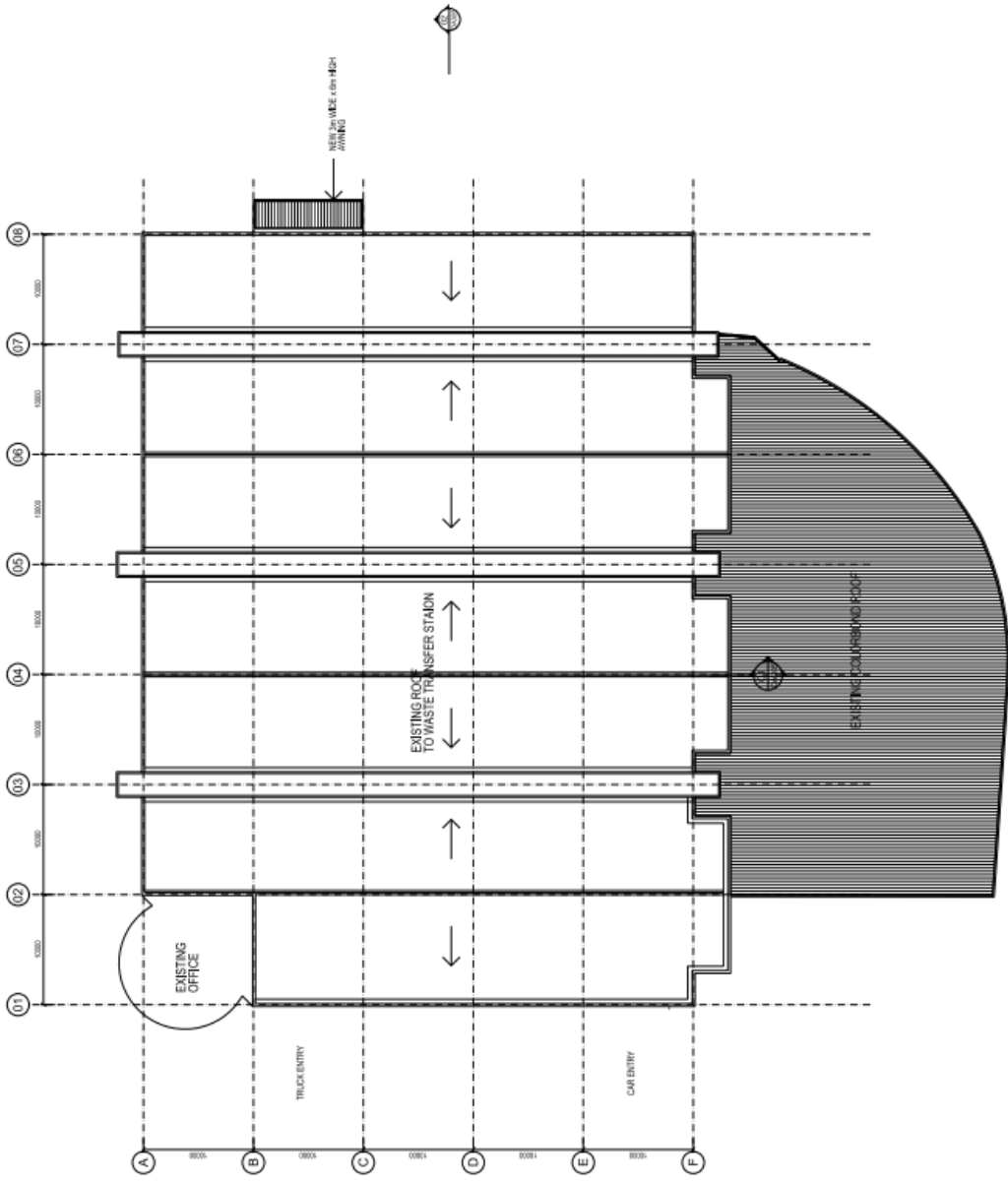
		PROJECT NO. <b>15233</b> DATE: 15/08/2018 DRAWN: DA CHECKED: DA APPROVED: DA
PROJECT: <b>Wetherill Park Resource Recovery Facility</b> TITLE: <b>GR/Round Floor Plan</b>		SHEET NO. <b>DA 201 G</b> BLOCK
<p> <small>           1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.            2. DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED.            3. DIMENSIONS TO CENTERLINE UNLESS OTHERWISE SPECIFIED.            4. DIMENSIONS TO SURFACE UNLESS OTHERWISE SPECIFIED.            5. DIMENSIONS TO CENTERLINE OF ROAD UNLESS OTHERWISE SPECIFIED.            6. DIMENSIONS TO CENTERLINE OF RAIL UNLESS OTHERWISE SPECIFIED.            7. DIMENSIONS TO CENTERLINE OF CHANNEL UNLESS OTHERWISE SPECIFIED.            8. DIMENSIONS TO CENTERLINE OF PIPE UNLESS OTHERWISE SPECIFIED.            9. DIMENSIONS TO CENTERLINE OF CABLE UNLESS OTHERWISE SPECIFIED.            10. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            11. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            12. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            13. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            14. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            15. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            16. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            17. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            18. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            19. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.            20. DIMENSIONS TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.         </small> </p>		



01 LOWER GROUND FLOOR PLAN

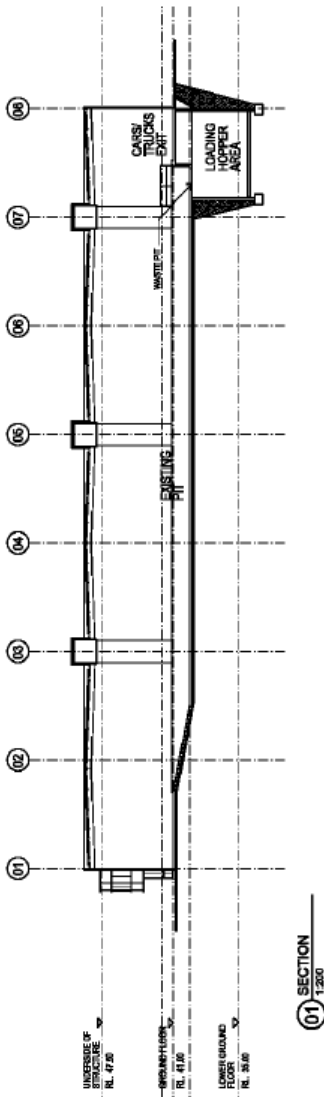
<p>These drawings are to be used only for the project and site specified in the title block. Any other use is unauthorized. The client is responsible for ensuring that the drawings are used for the intended purpose. The client is responsible for ensuring that the drawings are used for the intended purpose.</p>	<p>PROJECT <b>AAT KINGS Workshop Refurbishment</b></p>	<p>DATE SCALE DRAWN CHECKED</p>	<p>PROJECT No. <b>15233</b></p>	<p>DATE <b>DA 202 A</b></p>
<p><b>SBA</b> PROJECTS  <small>11/11/2018 10:00 AM        11/11/2018 10:00 AM        11/11/2018 10:00 AM</small></p>		<p><b>DA 202 A</b></p>		
<p>17</p>				



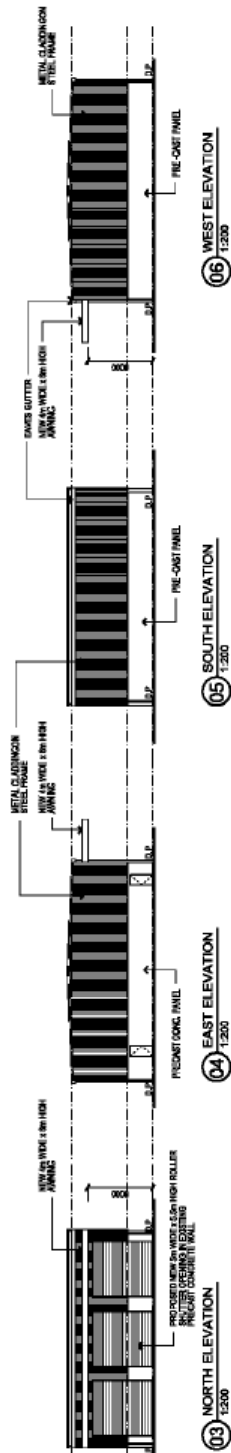


01 GROUND FLOOR PLAN

<p>These drawings have been prepared by the architect on behalf of the client. They are to be used for the purposes stated only and are not to be used for any other purpose without the written consent of the architect.</p> <p>THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED AND DOES NOT EXTEND TO ANY OTHER MATTER.</p>	<p>DATE: 04/04/2018 SCALE: 1:500 DRAWN: [Name] CHECKED: [Name] PROJECT NO: DA 203 D</p>	<p>PROJECT: AAT KINGS Workshop Relishment TYPE: Roof Plan</p>	<p>PROJECT NO: 15233 DATE: 04/04/2018 SCALE: 1:500 DRAWN: [Name] CHECKED: [Name] PROJECT NO: DA 203 D</p>



01 SECTION 1:200



<p>1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NSW BUILDING REGULATIONS 2015 AND THE NSW BUILDING ACT 2016.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.</p> <p>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.</p> <p>4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.</p>	<p>DATE: 15/08/2024</p> <p>SCALE: AS SHOWN</p> <p>PROJECT NO: 15233</p> <p>DA: 305 D</p>	<p>PROJECT NO: 15233</p> <p>DA: 305 D</p>	<p>WETHERILL PARK RESOURCE RECOVERY FACILITY</p> <p>SECTIONS &amp; WORK SHOP ELEVATIONS</p>	<p>SBA ARCHITECTS</p> <p>15/08/2024</p>		<p>DATE: 15/08/2024</p> <p>SCALE: AS SHOWN</p> <p>PROJECT NO: 15233</p> <p>DA: 305 D</p>
						<p>DATE: 15/08/2024</p> <p>SCALE: AS SHOWN</p> <p>PROJECT NO: 15233</p> <p>DA: 305 D</p>



**APPENDIX B  
APPLICANT'S MANAGEMENT AND MITIGATION MEASURES**

Environmental Issue	Mitigation and consolidation
<b>Waste Management</b>	In order to ensure that the Development's waste management operations would have minimal impact on the surrounding environment the updated OEMP and associated procedures would act to mitigate potential impacts.
<b>Soil and Water</b>	<p>The following mitigation and management measures would be adopted for soil:</p> <ul style="list-style-type: none"> <li>● in the event of discovery of PASS, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>● in the event of discovery of potential soil contamination, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>● the CEMP would include a range of appropriate erosion and sediment control measures that would be required for implementation, monitoring and maintenance during the construction of the Development;</li> <li>● the updated OEMP would outline erosion and sediment control measures to be applied during operation of the Development.</li> </ul> <p>A number of design features and management measures would be used to mitigate the potential for runoff from the Development to impact upon surface water.</p> <ul style="list-style-type: none"> <li>● installation of a surface water management system in the new hardstand area; and</li> <li>● the existing OEMP and accompanying site procedures would be updated where required including update of the Surface Water Management Plan including a monitoring program.</li> </ul> <p>Mitigation measures proposed to reduce the impact of leachate include:</p> <ul style="list-style-type: none"> <li>● segregation of leachate from surface water and groundwater; and</li> <li>● continue to monitor leachate discharge to sewer in accordance with Trade Waste Agreement.</li> </ul>
<b>Air Quality, Greenhouse Gas and Odour</b>	<p>An Air Quality Management Plan would be developed as a subplan to the CEMP and would contain the following management measures:</p> <ul style="list-style-type: none"> <li>● engines of on-site vehicles and plant would be switched off when not in use; and</li> <li>● construction machinery and vehicles on-site would be maintained and serviced according to the manufacturer's specifications.</li> </ul> <p>During construction activities requiring exposed surfaces and stockpiling the following controls would be in place:</p> <ul style="list-style-type: none"> <li>● minimise area of exposed surfaces;</li> <li>● water suppression on exposed areas and stockpiles; and</li> <li>● minimise amount of stockpiled material.</li> </ul> <p>During on-site hauling activities, the following controls would be in place:</p> <ul style="list-style-type: none"> <li>● watering of unsealed haul roads;</li> <li>● sealed haul roads to be cleaned regularly;</li> <li>● restrict vehicle traffic to designated routes;</li> <li>● imposing speed limits; and</li> <li>● covering vehicle loads when transporting material off-site.</li> </ul> <p>The existing Odour and Dust Management Plans would be updated as part of the OEMP update. A number of control measures are proposed to ensure that the potential for any odour and dust impacts off-site are minimal. These controls include:</p> <ul style="list-style-type: none"> <li>● continuing existing operation of the dust and odour suppression system;</li> <li>● waste delivery trucks entering the terminal would be required to be fully enclosed or covered;</li> <li>● the amount of putrescible waste on-site within the terminal at any time would be minimised as much as reasonably practicable;</li> </ul>

Environmental Issue	Mitigation and consolidation
	<ul style="list-style-type: none"> <li>● dust management procedures would be implemented within and outside the terminal building including regular sweeping and washing down, as required;</li> <li>● traffic management procedures to co-ordinate the delivery schedule and avoid a queue of the incoming or outgoing trucks for extended periods of time;</li> <li>● spill management procedures to include immediate cleaning up of any spill/leakage from incoming and outgoing trucks;</li> <li>● maintaining an odour complaint logbook and in the event of a complaint immediately investigate any unusual odour sources (including spill or leakage in the traffic areas) within the site boundary and take appropriate action as required; and</li> <li>● reviewing operational practices and management plans regularly and training of relevant staff regarding waste handling and transfer and odour and dust suppression.</li> </ul> <p>The mitigation measures that will be implemented on-site during construction of the Development to minimise energy usage and the number of vehicles required include the following:</p> <ul style="list-style-type: none"> <li>● the contractor will limit idling time of plant and equipment whilst on-site;</li> <li>● the contractor will make certain that the only lighting left on overnight around the Site office will be security or emergency/access lighting; and</li> <li>● earthmoving equipment and on-site vehicles will be fitted with exhaust controls in accordance with the <i>Protection of the Environment Operations (Clean Air) Regulation 2010</i>.</li> <li>● the following energy efficient features have been identified as feasible on-site measures to reduce the Development's most significant sources of emissions.</li> <li>● all trucks leaving the Site carrying waste will be filled to the maximum reasonably practicable, depending on the truck size, to reduce the number of traffic movements required;</li> <li>● hybrid material handling equipment to be used;</li> <li>● EURO 5 standard for trucks;</li> <li>● large trailers and therefore less transfer trips;</li> <li>● timer switches and light sensors: where appropriate, lights within the transfer building would be fitted with timer switches and external lighting would be fitted with a light sensor; and</li> <li>● energy efficient lighting: LED lights will be installed and directed on-site.</li> </ul>
Traffic	<p>Traffic management measures associated with the Development on the Site are proposed to be provided during construction and operation of the Development. These include:</p> <ul style="list-style-type: none"> <li>● provision of 21 car parking spaces and 12 truck and trailer parking spaces on-site including one accessible parking space;</li> <li>● moving the existing stop line at the weighbridge forward by 3 m;</li> <li>● separation of commercial and domestic waste streams through appropriate signage and direction by staff;</li> <li>● a Construction Traffic Management Plan will be developed as part of the CEMP for the Development. This would include a traffic management plan identifying vehicle movements to and from the Site, internal access, interactions with general public, parking and access requirements for personnel and safety signage and training of personnel (as appropriate) in traffic management in accordance with relevant requirements and guidelines of the RMS and Council in terms of road safety and network efficiency.</li> </ul>
Noise and Vibration	<p>The following measure have been or will be implemented at the site to mitigate noise:</p> <ul style="list-style-type: none"> <li>● most equipment is replaced after 4 years;</li> <li>● equipment regularly maintained and serviced;</li> <li>● hybrid material handling equipment; and</li> <li>● EURO 5 standard for trucks.</li> </ul>

Environmental Issue	Mitigation and consolidation
<b>Visual Amenity</b>	<p>The following measure have been or will be implemented at the site to mitigate visual impacts at the site:</p> <ul style="list-style-type: none"> <li>● maintaining and supplementing the existing screening on-site.</li> </ul>
<b>Hazards and Risks</b>	<p>The management standards and guidelines utilised for existing operations at Wetherill Park Resource Recovery Facility will continue to be applied on the Site and will be built upon and incorporated into the updated OEMP along with the mitigation measures identified.</p>
<b>Stakeholder</b>	<p>Stakeholder engagement activities would continue to be developed and facilitate the engagement process as part of construction and operation management measures. These may include:</p> <ul style="list-style-type: none"> <li>● telephone line to communicate issues;</li> <li>● complaints management process;</li> <li>● updates of the Applicant's website;</li> <li>● clear signage at construction-sites during construction; and</li> <li>● ongoing review and refinement of construction and operation impact mitigation measures</li> </ul>
<b>Other Issues</b>	<ul style="list-style-type: none"> <li>● should indigenous or non-indigenous cultural material be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted; and</li> <li>● should fauna and flora species and ecological communities be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted.</li> </ul>

## **APPENDIX D      ENVIRONMENTAL PROTECTION LICENCE**



# Environment Protection Licence

Licence - 4548

<b>Licence Details</b>	
Number:	4548
Anniversary Date:	15-June

<b>Licensee</b>
SUEZ RECYCLING & RECOVERY PTY LTD
LOCKED BAG 5015
KINGSGROVE DC NSW 2208

<b>Premises</b>
WETHERILL PARK RESOURCE RECOVERY FACILITY
20 DAVIS ROAD
WETHERILL PARK NSW 2164

<b>Scheduled Activity</b>
Waste processing (non-thermal treatment)
Waste storage

<b>Fee Based Activity</b>	<b>Scale</b>
Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Any listed waste type stored
Waste storage - other types of waste	Any other types of waste stored

<b>Region</b>
Sydney Waste Compliance
59-61 Goulburn Street
SYDNEY NSW 2000
Phone: (02) 9995 5000
Fax: (02) 9995 5999
PO Box A290
SYDNEY SOUTH NSW 1232

# Environment Protection Licence



Licence - 4548

<b>INFORMATION ABOUT THIS LICENCE</b>	4
Dictionary	4
Responsibilities of licensee	4
Variation of licence conditions	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
<b>1 ADMINISTRATIVE CONDITIONS</b>	6
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
<b>2 LIMIT CONDITIONS</b>	7
L1 Pollution of waters	7
L2 Waste	7
L3 Potentially offensive odour	8
L4 Other limit conditions	8
<b>3 OPERATING CONDITIONS</b>	8
O1 Activities must be carried out in a competent manner	8
O2 Maintenance of plant and equipment	9
O3 Dust	9
O4 Emergency response	9
O5 Processes and management	9
O6 Waste management	9
<b>4 MONITORING AND RECORDING CONDITIONS</b>	10
M1 Monitoring records	10
M2 Recording of pollution complaints	10
M3 Telephone complaints line	10
M4 Other monitoring and recording conditions	11
<b>5 REPORTING CONDITIONS</b>	11
R1 Annual return documents	11
R2 Notification of environmental harm	12
R3 Written report	12

# Environment Protection Licence

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Licence - 4548



<b>6</b>	<b>GENERAL CONDITIONS</b>	-----	13
G1	Copy of licence kept at the premises or plant	-----	13
<b>7</b>	<b>SPECIAL CONDITIONS</b>	-----	13
E1	EPA may claim on Financial Assurance	-----	13
E2	Financial assurance	-----	13
<b>DICTIONARY</b>		-----	16
General Dictionary		-----	16

# Environment Protection Licence

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Licence - 4548



## Information about this licence

### Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

### Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

### Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

### Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

### Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

# Environment Protection Licence

Licence - 4548



The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

## Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

## Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

## This licence is issued to:

<b>SUEZ RECYCLING &amp; RECOVERY PTY LTD</b>
<b>LOCKED BAG 5015</b>
<b>KINGSGROVE DC NSW 2208</b>

subject to the conditions which follow.

# Environment Protection Licence

Licence - 4548



## 1 Administrative Conditions

### A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Waste processing (non-thermal treatment)	Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Waste storage	Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Any listed waste type stored
Waste storage	Waste storage - other types of waste	Any other types of waste stored

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
WETHERILL PARK RESOURCE RECOVERY FACILITY
20 DAVIS ROAD
WETHERILL PARK
NSW 2164
LOT 402 DP 603454

### A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

# Environment Protection Licence

Licence - 4548

## 2 Limit Conditions

### L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

### L2 Waste

- L2.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.

Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.

This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	Maximum of 70,000 tonnes to be received in any consecutive 12 month period
NA	Office and Packaging Waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Garden waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Wood waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste mineral oils unfit for their original intended use	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
N/A	Gas bottles		Waste storage	NA
D220	Lead acid batteries	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
F100	Waste ink, dye, pigment, paint, lacquer & varnish	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA



# Environment Protection Licence

Licence - 4548

		1 of the POEO Act, in force from time to time		
NA	Building and demolition waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Household waste from municipal clean-up that does not contain food waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste collected by or on behalf of local councils from street sweeping	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Non-chemical waste generated from manufacturing and services (including metal, timber, paper, ceramics, plastics, thermosets, and composites)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA

L2.2 The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time.

### L3 Potentially offensive odour

L3.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

### L4 Other limit conditions

#### Asbestos

Note: The licensee must comply with all conditions as specified in this licence or where no specific condition are outlined in this licence, the licensee must comply with the Protection of the Environment Operations (Waste) Regulation 2014.

## 3 Operating Conditions

### O1 Activities must be carried out in a competent manner

# Environment Protection Licence

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Licence - 4548

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

## O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

## O3 Dust

O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

## O4 Emergency response

O4.1 The licensee must maintain an emergency response plan which documents the procedures to deal with all types of incidents (eg spill, explosions or fire) that may occur at the premises or outside of the premises (eg during transfer) which are likely to cause harm to the environment.

## O5 Processes and management

O5.1 The licensee must ensure that any general solid waste (non-putrescible) and/or general solid waste (putrescible) for processing, storage or resource recovery at the premises is assessed and classified in accordance with the EPA's *Waste Classification Guidelines* as in force from time to time.

## O6 Waste management

### General Solid Waste (putrescible)

O6.1 The licensee must keep general solid waste (putrescible) in a separate designated area from all other wastes received at the Premises.

O6.2 General solid waste (putrescible) must not be mixed with any other wastes received at the Premises.

O6.3 The licensee must remove all general solid waste (putrescible) within 24 hours of it being received at the Premises.

# Environment Protection Licence



Licence - 4548

## 4 Monitoring and Recording Conditions

### M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) the name of the person who collected the sample.

### M2 Recording of pollution complaints

- M2.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M2.2 The record must include details of the following:
- a) the date and time of the complaint;
  - b) the method by which the complaint was made;
  - c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
  - d) the nature of the complaint;
  - e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
  - f) if no action was taken by the licensee, the reasons why no action was taken.
- M2.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M2.4 The record must be produced to any authorised officer of the EPA who asks to see them.

### M3 Telephone complaints line

- M3.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.
- M3.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a

# Environment Protection Licence

Licence - 4548



complaints line so that the impacted community knows how to make a complaint.

M3.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## M4 Other monitoring and recording conditions

### Monitoring of waste(s) received

M4.1 The licensee must record the following information for each load of waste(s) received at the premises:

- (a) the registration number of the vehicle;
- (b) the time and date of receipt of the waste;
- (c) the source of the waste;
- (d) the type(s) of waste; and
- (e) the quantity of each type of waste (in tonnes).

## 5 Reporting Conditions

### R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

- 1. a Statement of Compliance,
- 2. a Monitoring and Complaints Summary,
- 3. a Statement of Compliance - Licence Conditions,
- 4. a Statement of Compliance - Load based Fee,
- 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
- 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
- 7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is

# Environment Protection Licence



Licence - 4548

given; or

b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

a) the licence holder; or

b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

## R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

## R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

a) where this licence applies to premises, an event has occurred at the premises; or

b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:

a) the cause, time and duration of the event;

b) the type, volume and concentration of every pollutant discharged as a result of the event;

# Environment Protection Licence

Licence - 4548



- c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
- d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

## 6 General Conditions

### G1 Copy of licence kept at the premises or plant

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

## 7 Special Conditions

### E1 EPA may claim on Financial Assurance

- E1.1 The EPA may claim on a financial assurance under s303 of the POEO Act if a licensee fails to carry out any work or program required to comply with the conditions of this licence or clean up notice issued under section 91 of the POEO Act.

### E2 Financial assurance

- E2.1 A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank, building society or credit union in favour of the EPA in the amount of seventy five thousand (\$75,000) by 1 March 2008 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank,

# Environment Protection Licence



Licence - 4548

building society or credit union in favour of the EPA in the amount of one hundred and fifty thousand (\$150,000) by 1 March 2009 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank, building society or credit union in favour of the EPA in the amount of two hundred and twenty five thousand (\$225,000) by 1 March 2010 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

- E2.2 The financial assurance must be maintained during the operation of the facility and thereafter until such time as the EPA is satisfied the premises is environmentally secure.
- E2.3 The financial assurance must be replenished by the full amount claimed or realised if the EPA has claimed on or realised the financial assurance or any part of it to undertake a work or program required to be carried out by the licence which has not been undertaken by the licence holder.
- E2.4 The EPA may require an increase the amount of the financial assurance at any time as a result of reassessment of the total likely costs and expenses of rehabilitation of the premises.
- E2.5 The licensee must provide to the EPA the original counterpart guarantee within five working days of the issue of:
- a) the financial assurance required by condition E2.1, and
  - b) the adjusted financial assurance as required by condition E2.2, E2.3 and E2.4.
- E2.6 After the licensee's premises cease to be used for the purpose to which the licence relates or in the event that the licensee ceases to carry out the activity that is the subject of this licence, that licensee must:
- a) remove and lawfully dispose of all liquid and non-liquid waste stored on the licensee's premises;
  - b) rehabilitate the site, including conducting assessment of and if required remediation of any site contamination.
- E2.7 In the event of an earthquake, storm, fire, flood or any other event where it is reasonable to suspect that a pollution incident has occurred, is occurring or is likely to occur, the licensee (whether or not the premises continue to be used for the purposes to which the licence relates) must:
- a) Make all efforts to contain all firewater on the licensee's premises;
  - b) Make all efforts to control air pollution from the licensee's premises;
  - c) Make all efforts to contain any discharge, spill or run-off from the licensee's premises;
  - d) Make all efforts to prevent flood water entering the licensee's premises;
  - e) Remediate and rehabilitate any exposed areas of soil and/or waste;
  - f) Lawfully dispose of all liquid and solid waste(s) stored on the premises that is not already securely disposed of;
  - g) At the request of the EPA monitor groundwater beneath the licensee's premises and its potential to migrate from the licensee's premises;
  - h) At the request of the EPA monitor surface water leaving the licensee's premises and



# Environment Protection Licence

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Licence - 4548



i) Ensure the licensee's premises is secure.

E2.8 While the licensee's premises are being used for the purpose to which the licence relates, the licensee must:

- a) Clean up any spill, leak or other discharge of any waste(s) or other material(s) as soon as practicable after it becomes known to the licensee or to one of the licensee's employees or agents.
- b) In the event(s) that any liquid and non-liquid waste(s) is unlawfully deposited on the premises, such waste(s) must be removed and lawfully disposed of as soon as practicable or in accordance with any direction given by the EPA.
- c) Provide all monitoring data as required by the conditions of this licence or as directed by the EPA.

# Environment Protection Licence

Licence - 4548

## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

# Environment Protection Licence

Licence - 4548

<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

# Environment Protection Licence



Licence - 4548

<b>TSP</b>	Means total suspended particles
<b>TSS</b>	Means total suspended solids
<b>Type 1 substance</b>	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
<b>Type 2 substance</b>	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
<b>utilisation area</b>	Means any area shown as a utilisation area on a map submitted with the application for this licence
<b>waste</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>waste type</b>	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Ms Nadia Kanhoush

Environment Protection Authority

(By Delegation)

Date of this edition: 01-August-2000

# Environment Protection Licence

Licence - 4548



## End Notes

- 1 Licence transferred through application 140433, approved on 18-May-2001, which came into effect on 15-Jun-2000.
- 2 Licence transferred through application 140945, approved on 04-Dec-2001, which came into effect on 04-Dec-2001.
- 3 Licence varied by Change of contact details, issued on 04-Mar-2002, which came into effect on 04-Mar-2002.
- 4 Licence varied by notice 1028777, issued on 04-Sep-2003, which came into effect on 29-Sep-2003.
- 5 Licence varied by notice 1037693, issued on 11-Nov-2004, which came into effect on 06-Dec-2004.
- 6 Licence varied by notice 1081093, issued on 17-Jan-2008, which came into effect on 17-Jan-2008.
- 7 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 8 Licence varied by notice 1095911, issued on 19-Dec-2008, which came into effect on 19-Dec-2008.
- 9 Licence varied by notice 1112076, issued on 21-Apr-2010, which came into effect on 21-Apr-2010.
- 10 Licence varied by Correction to EPA Region data record., issued on 25-Jun-2010, which came into effect on 25-Jun-2010.
- 11 Licence varied by notice 1505419 issued on 09-May-2013
- 12 Licence varied by notice 1532302 issued on 04-Aug-2015
- 13 Licence varied by notice 1589768 issued on 17-Dec-2019

## **APPENDIX E      ENVIRONMENTAL MANAGEMENT PLANS**



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# Operational Environmental Management Plan

## Wetherill Park Resource Recovery Park

Document #. PLANS004

Issue date November 2019

Version 3



## Table of Contents

1.	Introduction .....	5
1.1.	Purpose.....	5
1.2.	Scope .....	5
1.3.	Statutory Requirements .....	5
1.4.	Development Consent .....	5
1.4.1.	SSD 7267 – OEMP requirements.....	6
1.5.	Risk Management.....	7
1.6.	Staffing and Training Requirements .....	7
1.7.	Organisational Structure .....	8
1.8.	Environmental Auditing and Review .....	8
1.9.	Update and Version Control Requirements.....	9
2.	Site Overview.....	10
2.1.	Site Description and Layout.....	10
2.1.1.	Staged works .....	11
2.2.	Infrastructure.....	11
2.2.1.	Hours of operation .....	13
2.2.2.	Traffic management.....	13
2.2.3.	Landscaping.....	13
2.2.4.	Drainage .....	13
2.2.5.	Security .....	13
2.2.6.	Services .....	13
2.3.	Overview of WPRRF Activities .....	13
3.	Environmental Incident Management and Community Engagement .....	14
3.1.	Environmental Incident Management .....	14
3.2.	Community Complaints.....	14
3.3.	Emergency Preparedness .....	14
4.	Waste Acceptance and Stockpiling .....	15
4.1.	Wastes accepted at Wetherill Park Resource Recovery Facility.....	15
4.2.	Acceptance of Waste .....	15
4.2.1.	Specific Requirements – General Solid Waste (Putrescible) .....	15
4.3.	Stockpiles.....	15
4.4.	Limits.....	15
4.5.	Storage of dangerous goods .....	16
5.	Environmental Management and Monitoring.....	17
5.1.	General .....	17
5.2.	Records.....	17
5.3.	Monitoring records .....	17
5.4.	Operational Requirements.....	18
5.5.	Leachate .....	18



5.5.1.	Management Strategy .....	18
5.5.2.	Infrastructure and Collection .....	18
5.5.3.	Monitoring Requirements.....	18
5.5.4.	Notification Requirements.....	18
5.6.	Water .....	19
5.6.1.	Stormwater.....	19
5.6.1.1.	Management Strategy .....	19
5.6.1.	Firewater .....	19
5.6.1.1.	Management Strategy .....	19
5.7.	Air and Dust .....	19
5.7.1.	Management Strategy .....	19
5.7.2.	Infrastructure and Collection .....	19
5.7.3.	Notification Requirements.....	20
5.8.	Odour .....	20
5.8.1.	Management Strategy .....	20
5.8.2.	Infrastructure and Collection .....	20
5.8.3.	Notification Requirements.....	20
5.9.	Litter .....	20
5.9.1.	Management Strategy .....	20
5.9.2.	Monitoring Requirements.....	20
5.10.	Noise.....	20
5.10.1.	Management Strategy .....	21
5.11.	Pests and Vermin .....	21
5.11.1.	Management Strategy .....	21
5.12.	Fire Detection .....	21
5.12.1.	Management Strategy .....	21
5.12.2.	Sampling Equipment and Instructions .....	22
5.12.3.	Notification Requirements.....	22
6.	Definitions .....	23
7.	Related Documents .....	23
8.	Review and Document Control .....	24
9.	Appendices .....	25
	APPENDIX 1. Environment Protection Licence, 4548.....	25
	APPENDIX 2. Waste Acceptance Type and Quantity Limits.....	26
	APPENDIX 3. Waste Management – General Solid Waste (Putrescible) .....	27
	APPENDIX 4. Monitoring Requirements.....	27
	APPENDIX 5. Notification Requirements.....	28
	APPENDIX 6. Consent to Discharge – Sydney Water .....	29
	APPENDIX 7. Development Consent .....	30
	APPENDIX 8. Modification of Development Consent.....	31
	APPENDIX 9. Flood Emergency Response Plan .....	32

APPENDIX 10. Odour Management Plan..... 33  
APPENDIX 11. Operational Traffic Management Plan..... 34  
APPENDIX 12. DPE Approval of Flood Emergency Response Plan ..... 35  
APPENDIX 13. Endeavour Energy limitations ..... 36

## 1. Introduction

### 1.1. Purpose

The purpose of this document is to describe the environmental management of operational activities at Wetherill Park Resource Recovery Park (WPRRF) that have, or are likely to have, an impact on the environment. This document sets out detailed procedures and measures that must be taken to minimise and eliminate environmental impact. This document also assists internal and external stakeholders in assessing environmental performance and ensures transparency across environmental operations.

SUEZ's Environmental, Quality and Safety (EQS) Management System is structured in accordance with the requirements of the following standards:

- AS/NZS 4801:2001 Occupational Health and Safety Management Systems;
- ISO 14001:2015 Environmental Management Systems; and
- ISO 9001:2015 Quality Management System.

SUEZ's EQS system is certified to the above standards by an independent third-party and annual internal reviews are undertaken in accordance with the *Management System Review Procedure*.



Figure 1 Aerial view of WPRRF

“SUEZ is committed to undertaking all activities in an environmentally responsible way, preventing pollution and proactively developing environmentally sustainable activities.” – *Environment Policy*

### 1.2. Scope

This document applies to all activities undertaken at WPRRF.

### 1.3. Statutory Requirements

All legislative requirements are managed in accordance with the *Legislative Requirements Procedure*.

The Protection of the Environment Act 1997 together with The Protection of the Environment (general) Regulation 2009 provide the primary statutory framework by which the WPRRF abides by.

Specific requirements on the site, including operational limits and the limits surrounding water, air, soil emissions, are administered by the Environmental Protection Authority (EPA) through an Environment Protection Licence (the Licence). See **Appendix 1**. For further information on the Licence referred to throughout this Environmental Management Plan (EMP).

### 1.4. Development Consent

Development consent was granted to Inter Image P/L by Fairfield Council on 22 November 1989 (483A/89) 19811DA RT; SA for erection of non-putrescible waste transfer station.

Subsequent modifications were approved following the sale from WMI in June 2000. November 2001, Pacific Waste Management was renamed to SITA Environmental Solutions.

- February 1990, 2914/89 Factory (new)
- April 1995 07722-414DA SIM; SSM Change in operational hours
- July 2004 for Stage1 Recycling of timber.
- November 2005 DA 816/2005/CC 758/2005 Fire safety schedule
- October 2005, 816/758 Extension of awning for paper & cardboard recycling
- September 2007, 1557/06 Temporary storage and transfer of secured asbestos material.
- December 2009, 426.1/2009 Acceptance of putrescible waste and other wastes.
- December 2010, 1028.1/2010 Retailing of compost material

Wetherill Park received approval from Department of Planning for the State Significant Development (SSD) SSD7267 September 2017. (Appendix 07)

- MOD 01 Amendment to meteorological monitoring February 2018
- MOD 02 Staging amendment April 2019 (Appendix 08)

#### 1.4.1. SSD 7267 – OEMP requirements

Condition C4 of SSD 7267 requires SUEZ prepare an Operational Environmental Management Plan (this plan) to the satisfaction of the Secretary. Table below shows how this plan addresses the requirements of SSD 7267.

Condition		Response
C4	The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:	This plan consists of the OEMP
(a)	Be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation	This plan has been submitted to DPE for approval
(b)	Be prepared by a suitably qualified and experienced expert	<p>This plan has been prepared by the Site Manager and Project Manager:</p> <p><i>Jacquie Simmons – Site Manager</i>  <i>Diploma in WHS</i>  <i>Cert IV in Accounting</i>  <i>Years of experience in waste industry: 9</i></p> <p><i>Carol Ng – Project Manager</i>  <i>Masters of Engineering Science – Waste, Wastewater and Waste Engineering</i>  <i>Years of experience in waste industry: 7</i></p> <p>Reviewed by:  <i>Kelly Gee – Compliance Manager</i>  <i>Diploma in WHS</i>  <i>Diploma of Business</i>  <i>Cert IV in Environmental Management</i>  <i>Cert IV in Business Administration</i>  <i>Cert IV in Training &amp; Assessment</i>  <i>Cert IV Leadership &amp; Management</i>  <i>Cert IV in Frontline Management</i></p> <p><i>Years of experience in waste industry: 6</i></p>
(c)	Provide the strategic framework for environmental management of the Development	Section 5
(d)	Identify the statutory approvals that apply to the Development	Section 1.4

Condition		Response
(e)	Describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development	Section 1.6 and Section 1.7
(f)	Describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>i. Keep the local community and relevant agencies informed about the operation and environmental performance of the Development</li> <li>ii. Receive, handle, respond to, and record complaints</li> <li>iii. Resolve and disputes that may arise</li> <li>iv. Respond to any non-compliance</li> <li>v. Respond to emergencies</li> </ul>	Section 3
(g)	Include the following environmental management plans: <ul style="list-style-type: none"> <li>i. Odour Management Plan</li> <li>ii. Flood Emergency Response Plan</li> <li>iii. Operational Traffic Management Plan</li> </ul>	OMP – Appendix 9 FERP – Appendix 10 OTMP – Appendix 11
C5	The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.	SUEZ must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### 1.5. Risk Management

Risks to health, safety, the environment and property which arise from our activities are identified, assessed, controlled, reviewed and reported in line with applicable legislation in accordance with the *Risk Management Procedure*.

### 1.6. Staffing and Training Requirements

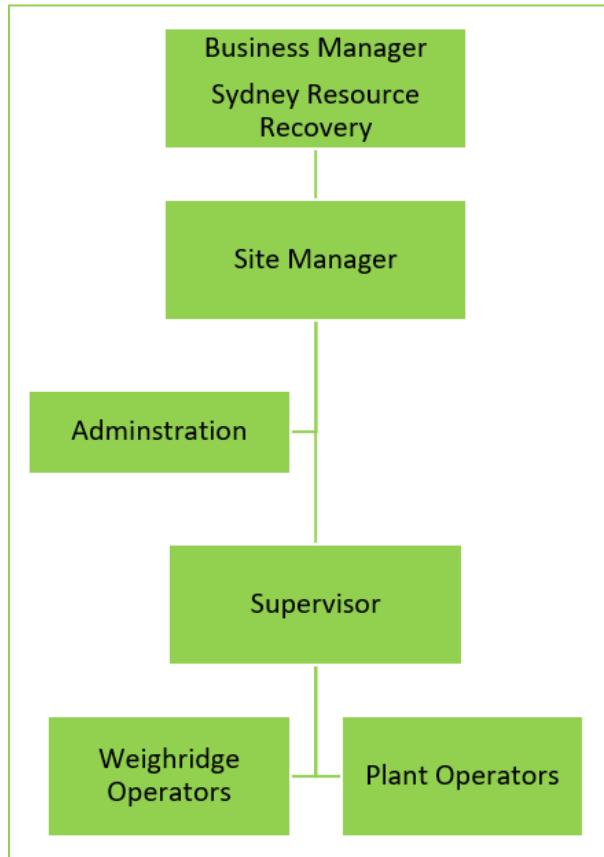
All workers onsite are trained in accordance with *Training, Induction and Competency Procedure*.

The Site Manager ensures the provision of role specific required training for workers on-site to ensure that all requirements described in this OEMP are met. It is also the Site Manager's responsibility to provide training to all workers performing critical tasks, such as inspection and direction of incoming wastes, operation of the equipment and environmental management on-site.

An environment, quality and safety system has been prepared and implemented by SUEZ. It is designed to provide SUEZ's employees with information about their environmental responsibilities which are outlined in the specific procedure or Standard Operating Procedure (SOP).

Refer to the *Roles and Responsibilities Procedure* for further information on the environmental, quality, health and safety responsibilities of all workers and Senior Management at SUEZ.

1.7. Organisational Structure



**Business Manager – Sydney Transfer Stations**

Overall responsibility for management of operations and compliance of all transfer stations within SUEZ NSW network. The business manager would be supported by NSW Compliance Officers, responsible for establishment and management of environmental monitoring contracts, site monitoring and ad-hoc sampling as required and interpretation and management of monitoring data.

**Site manager**

Overall responsibility for the management of operational issues on site.

**Site supervisor**

Supervision of site activities, ensuring that necessary environmental controls are maintained and operated to achieve the environmental objectives.

**Site personnel (operators)**

Day to day operations including implementation of environmental controls as required.

1.8. Environmental Auditing and Review

SUEZ evaluates the performance of WPRRF in accordance with *Management Systems Review Procedure*, *Monitoring and Measurement Procedure*, *Audit Procedure* and in conjunction with the review process of the

EPA, Annual Audit Compliance Report, Annual Environmental Management Report. These documents outline all of the monitoring that has been conducted and the results as well as stating whether WPRRF has complied with the conditions of the Licence. Upon receiving the Annual review and Independent Environmental Audit final reports, these will be submitted to the Secretary for review, ensuring compliance with Conditions C8 & C12.

These reports are publicly available of the SUE website: <https://www.suez.com.au/en-au>

### 1.9. Update and Version Control Requirements

This document is version controlled. All updates to this document must be made in accordance with the *Document Control Procedure*.

Revision of Strategies, Plans & Programs must be submitted to the Secretary for approval within three months of

- a) Approval of a modification
- b) Approval of an annual review under condition C8
- c) submission of an incident report under condition C9
- d) completion of an audit under condition C12



## 2. Site Overview

### 2.1. Site Description and Layout

WPRRF is located at 20 Davis Road, Wetherill Park, within the Fairfield City Local Government Area, in an area zoned 'Industrial', which is surrounded by other industrial facilities. The site occupies an area of approximately one hectare

Potential emission sources from this site include noise, dust and odour.

The closest water body is the Prospect Reservoir located about 150 metres north-west of the site.

The majority of the site is sealed, and all material is stored on concrete hardstands within the transfer shed and under the awning attached to the west of the building



Figure 2 Aerial view of Wetherill Park Resource Recovery Facility



## 2.1.1. Staged works

See figure 3 for stage one and stage two works on site

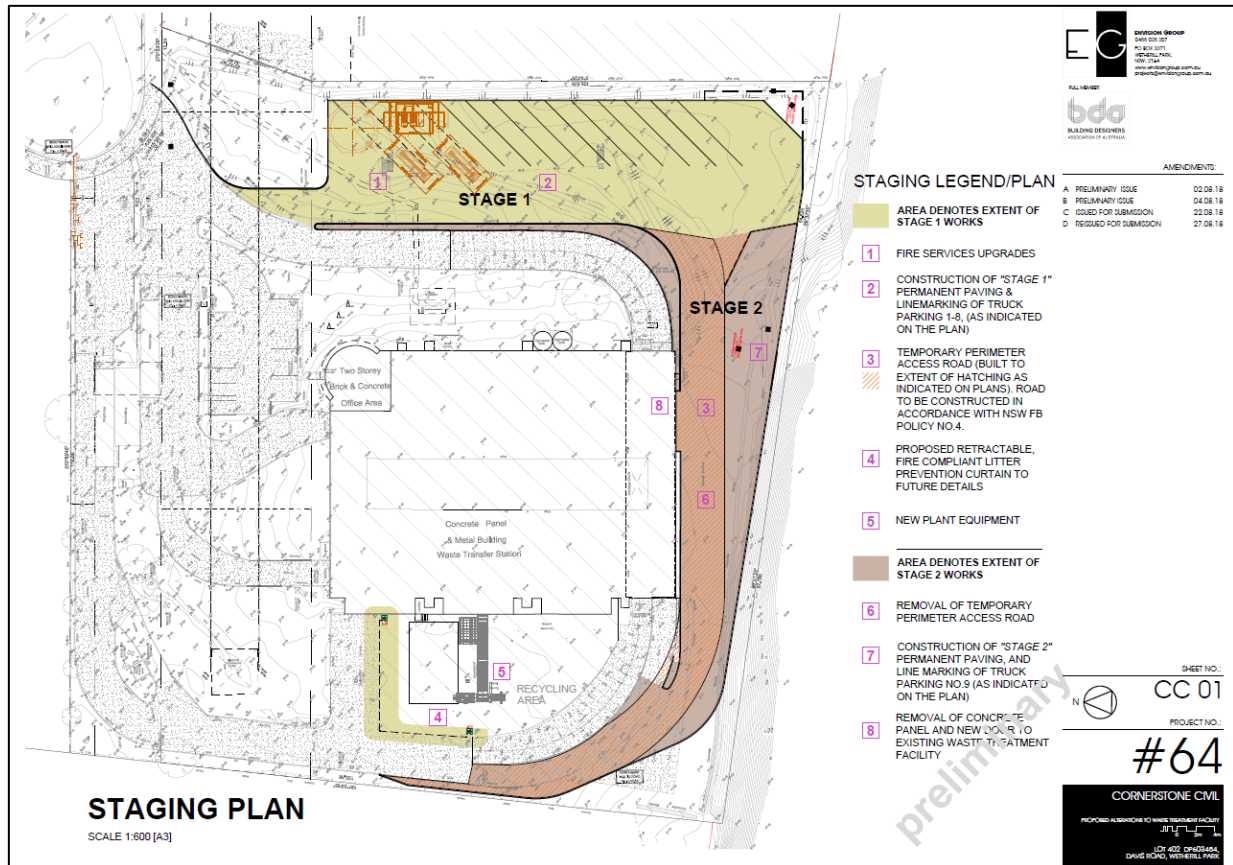
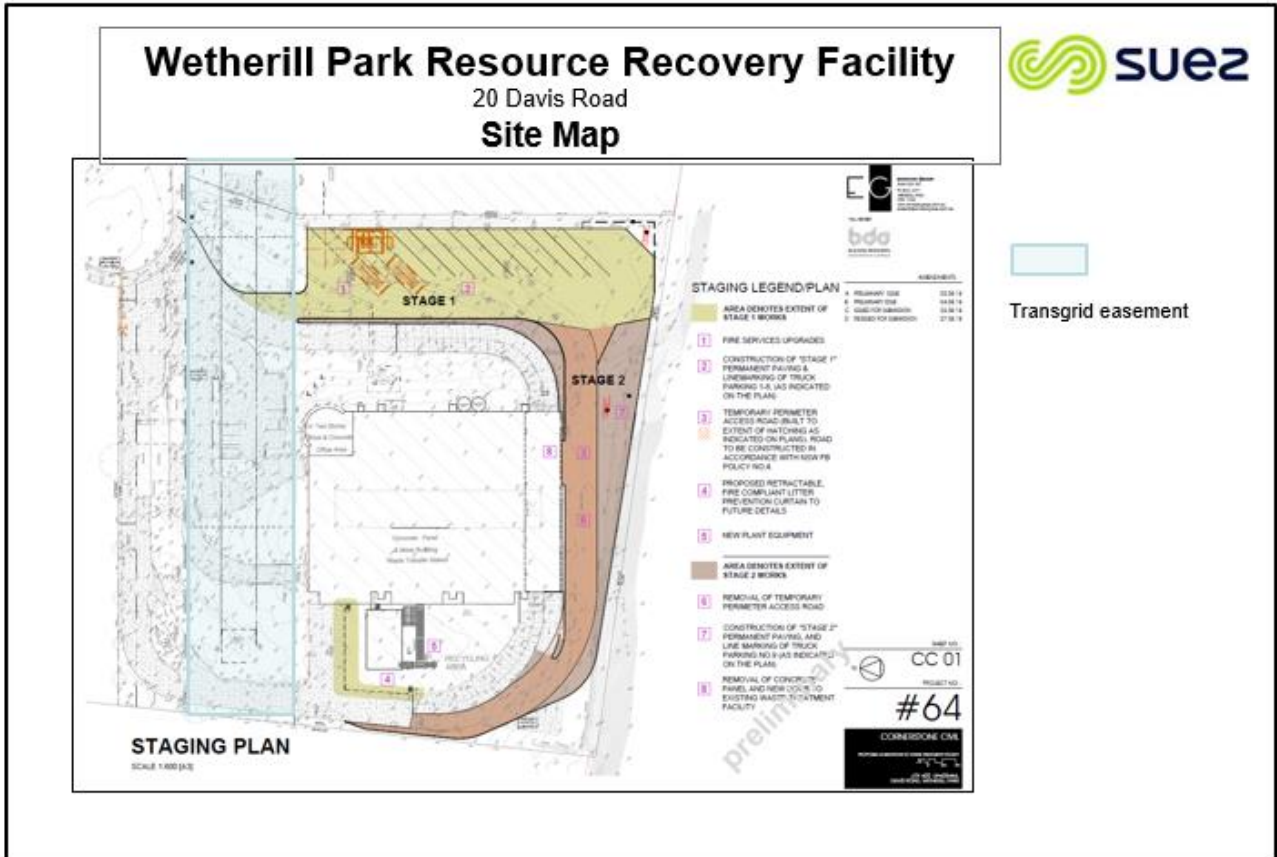


Figure 3 Staging Plan of Wetherill Park Resource Recovery Facility

## 2.2. Infrastructure

WPRRF contains a number of infrastructure items to facilitate recycling and process of waste streams. The facility consists of:

- Administration building;
- Weighbridges (incoming, outgoing);
- Recycling Plant;
- Load out tunnel
- Mobile plant
- Trade Waste system;
- Heavy vehicle parking hardstand;
- Fire fighting water tank
- Fire fighting pump house
- Fire ring road
- Transfer shed; and
- Transgrid Power Lines (Endeavour Energy) See below and *Appendix 13*



### 2.2.1. Hours of operation

Development Consent hours

Operational Monday – Sunday 24 hours

WPRRF operates for general public in accordance with the hours listed below:

<b>Weekdays</b>	<b>05.00am – 16:30pm</b>
<b>Saturdays/Sundays</b>	<b>06.00am – 13:00pm</b>
<b>Public Holidays</b>	<b>Closed</b>

### 2.2.2. Traffic management

WPRRF assesses the risks and implements appropriate and effective traffic controls in accordance with the *Traffic Management SOP*. Please note that all sites are required to have a traffic management map available to all workers.

A range of vehicles and mobile plant are used at WPRRF to conduct operations, including the transfer and transport of materials in and around the facility. Refer to the WPRRF *Traffic Management Plan* PLANS002 for further details of traffic types and movements.

### 2.2.3. Landscaping

Landscaping is constructed and maintained in accordance with the *Site Maintenance – Transfer Stations SOP047* and *Site Maintenance – Infrastructure SOP041*.

### 2.2.4. Drainage

With the exception of the landscaped areas, the entire surface of the site is sealed, which facilitates drainage control and minimises the potential for sediment mobilisation. There are several elements to the drainage control system on-site, including contaminated wastewater, stormwater runoff, and rainwater capture.

For details on what to do when a spill occurs, refer to the *Spill Response SOP007*.

### 2.2.5. Security

WPRRF has implemented a number of security measures which includes:

- Suitable fencing to prevent unauthorised access to the site;
- All entrance gates are securely locked when the premises are unattended;
- Security cameras at various locations on site; and
- Weekly inspections of security measures and fencing occurs in accordance with the *Site Maintenance – Transfer Stations SOP047* and *Site Maintenance – Infrastructure SOP041*.
- Back to base alarms
- Security patrols after hours

### 2.2.6. Services

WPRRF is connected to the mains water, telephone and electricity systems.

For information on safely conducting work around utility services, refer to the *Utility Services SOP102*.

## 2.3. Overview of WPRRF Activities

WPRRF operates a solid waste and recycling plant, it accepts household, commercial and council wastes. Activities on the site include waste receipt, recycling, waste segregation, transportation, storage and environmental management and monitoring.

## 3. Environmental Incident Management and Community Engagement

### 3.1. Environmental Incident Management

All environmental incidents are to be recorded in accordance with the *Incident Reporting and Corrective Action Procedure*. Environmental complaints are handled in accordance with *Environmental Complaints Management SOP*. All environmental incidents and complaints are recorded in the SUEZ Integrated Management System (SIMS).

The Licence also has specific notification requirements including:

- Notifying the EPA of any breach of any limit specified in the Licence;

Refer to **Appendix 5**. for notification requirements under the Licence.

Note that all contact with an environmental regulatory body must be approved by the Site Manager or the relevant Business Line Manager.

### 3.2. Community Complaints

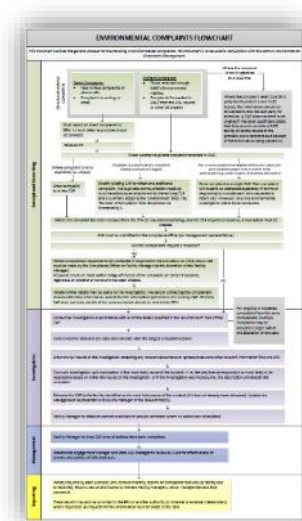
A free call telephone line through SUEZ's customer Service Department operates 24 hours a day, 7 days per week.

Complaints about the site can be registered on the SUEZ customer service line or directly with the site. The details of all complaints received, and actions taken in response to the complaints are kept on the SUEZ database through the SUEZ Integrated Management System (SIMS). All complaints received are investigated and responded to within the allocated time frame set out in *Environmental Complaints Management SOP066*.

### 3.3. Emergency Preparedness

The WPRRF *Emergency Response Plan* (ERP) PLANS003 sets out guidelines to enable SUEZ to plan for and respond to internal and external emergencies.

Emergency drills of the ERP are to be conducted in accordance with the *Emergency Management Procedure*.



## 4. Waste Acceptance and Stockpiling

### 4.1. Wastes accepted at Wetherill Park Resource Recovery Facility

The WPRRF is a solid waste premise on which waste is treated or sorted pending final disposal/recovery.

For information on weighbridge operation e.g. computer systems, contact numbers and forms required for the acceptance of waste, refer to the EQS Management System (SIMS).

### 4.2. Acceptance of Waste

The incoming waste delivery vehicles are weighed and provided with ticket at the site weighbridge before proceeding to the tipping location dependant on the waste type. All waste is delivered to the transfer station shed and tipped in allocated areas.

An excavator with a grab is used to sort recyclables from incoming waste streams. The recyclable portions of the waste are then separated and stored. Inert waste and recyclable materials (non-odorous) to remain onsite until a time of collection to an appropriate recycling facility.

The general waste is then pushed into the surge pit with the use of a front end loader, it is then crushed and compacted by the use of the Dozer.

General Solid Waste (Putrescible) must not be pushed into the surge pit until ready for transportation off site, Under DPE Consent SSD 7267 November 2017 and Modification April 2019, upon completion of stage one works the site is permitted to receive up to 70,000 tonnes of general solid waste (Putrescible). Upon completion of stage two the site is permitted to receive up to 140,000 tonnes of general solid waste (Putrescible)

Transfer trailers access the load out tunnel where the waste is loaded with the use of the Dozer and is gravity fed into the top of the trailers

Waste is only to be transported to the appropriate landfill in accordance with their EPA licence.

Note that where waste does not conform to the specific **type, activity or quantity limit** in **Appendix 2**. – the waste is removed from the site by the vehicle delivering the waste or, where that is not possible, stored in an isolated quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable. The rejection of loads must be recorded as per the EQS Management System (SIMS). The MANDALAY system is used for auditing, recording and tracking all waste and waste types associated with the facility as identified in condition B3 of the approved consent.

#### 4.2.1. Specific Requirements – General Solid Waste (Putrescible)

WPRRF segregates the General Solid Waste (Putrescible) from the main stream waste received within the transfer shed, the General Solid Waste (Putrescible) is not to be pushed into the surge pit until ready for transportation off site, which must be within the 24 hours' period of receiving the waste onto site, as set out in the Operating conditions in **Appendix 3**.

### 4.3. Stockpiles

The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time, this monitored on the Transfer Station Weekly Checklist.

### 4.4. Limits

The applicant must not receive or process on site more than:

- a) 70,000 tpa stage 1 and 140,000 tpa of stage 2 of general solid waste (putrescible)
- b) 90,000 tpa of general solid waste (non-putrescible)
- c) 10m<sup>3</sup> of asbestos waste per week



## 4.5. Storage of dangerous goods

Receptacles are provided for storage of recyclables. Gas bottles cages, Oil tank, battery bunds and IBC for paints segregate dangerous good. Collection of these dangerous goods is scheduled with a third party contractor weekly / monthly.

Prime movers access the bins via controlled traffic management, another mechanism for keeping small vehicles and trucks separated.

Signs at the entrance clearly indicate the types of wastes that are accepted and those that are not accepted.

Weighbridge operator weighs an incoming vehicle, records the data and asks the driver to describe the content of the load. If the content of the load cannot be clearly described or identified, the weighbridge operator will direct the load to a separate area for closer examination.

Unloading is constantly monitored by the recycling and on-site supervisors who are responsible for removal of unacceptable wastes from the waste stream for subsequent disposal at an appropriate facility.

Training is provided by SUEZ to the weighbridge operators, recycling and on-site supervisors to enable them to recognise and manage unacceptable wastes (SOP017 – Hazardous chemicals including dangerous goods).

### Excluded materials

This includes but is not limited to:

- liquids
- explosives
- poisons
- dangerous goods
- radioactive material
- clinical and related waste
- scheduled pharmaceuticals
- demolition waste
- car bodies
- excessive dusty wastes
- drums and drummed wastes

## 5. Environmental Management and Monitoring

This is monitored by the monthly reporting into the New South Wales Waste and Resource Reporting Portal (WARRP), this is the Environmental Protection Authority's web tool for waste operators to carry out their waste reporting obligations. Environmental Management and Monitoring

All monitoring activities set out in this section must comply with the requirements of the *Monitoring and Measuring Procedure* and the *Incident Reporting and Corrective Actions Procedure*.

### 5.1. General

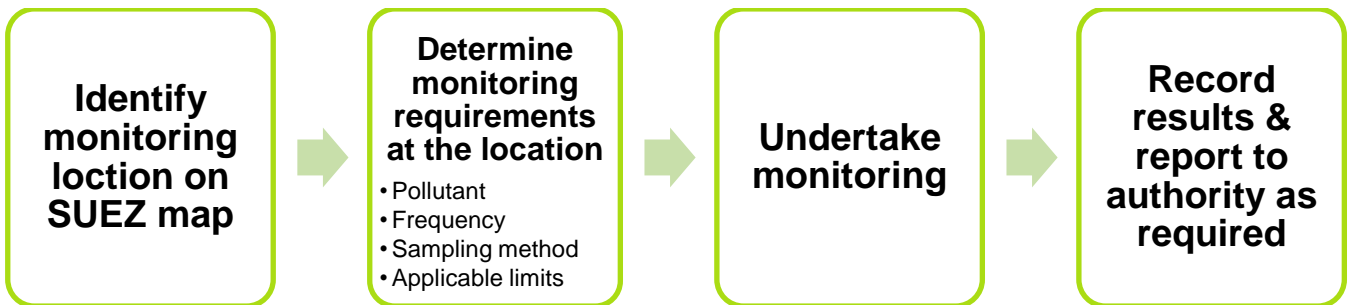


Figure 3 Summary of the monitoring process at Wetherill Park Resource Recovery Facility.

The responsibilities of SUEZ workers are outlined within the relevant Standard Operating Procedures (SOPs) and Work Instructions (WIs) outlining the operations. The overall responsibility for environmental management at WPRRF rests with the Site Manager, including the requirement to ensure that all onsite activities are undertaken in accordance with the Licence.

WPRRF Weekly Odour Monitoring Checklist (FORM026.4)

WPRRF Weekly Site Inspection checklist (FORM026.4.47)

Trade Waste Agreement 7976 scheduled sampling

### 5.2. Records

All monitoring records referenced in this section must be maintained in accordance with the *Records Management Procedure* and:

- Be in a **legible form**, or in a form that can readily be reduced to a legible form (if amendments are made they should be made in such a way that the original and subsequent amendments remain legible or are capable of retrieval);
- Kept for a least **4 years** after the monitoring or the event to which they relate took place (or until the expiry of the Licence or subsequent Licence);
- All off-site environmental effects and matters which affect the condition of the land or waters must be retained until the expiry of the Licence and any subsequent licence; and
- Be able to be **produced** in a legible form **to any authorised officer of the EPA** who asks to see them.

### 5.3. Monitoring records

All monitoring required of the facility (see **Appendix 4.** for monitoring requirements) is completed using the onsite weighbridge and Mandalay System.

Daily reports from onsite weather station

Trade Waste monitoring log FORM075.

## 5.4. Operational Requirements

All plant must be maintained to the manufacturer's specification and any relevant internal management system, in accordance with the *Plant Management SOP085*. The calibration of equipment must occur in accordance with the *Calibration and Servicing of Equipment SOP037*.

All spills that occur outside a bunded area (or engineered containment system) must be managed immediately.

In the event of an environmental incident which can cause to the health or safety of human beings or the environment which is not trivial, and/or results in monetary loss or damage costing an amount exceeding \$10,000 (Cost to include cleaning up/further pollution mitigation measures). The WPRRF Pollution Incident Response Management Plan *PLANS003* is to be activated.

In accordance with the Licence 4548, WPRRF is only permitted to receive, handle and store the wastes in **Appendix 2**, prior to removal offsite. Further it is a requirement that all wastes are stored and sorted on a hardstand which is bunded to prevent run-off; and removed to a facility licenced under the *Environmental Protection Act 1986*. See **Appendix 3**, for further information on General Solid Waste (Putrescible) processing limits.

## 5.5. Leachate

The management of leachate is to be conducted in accordance with the requirements set out in the *Leachate Management SOP036*. The purpose of effective leachate management is to ensure that leachate does not leave the site and contaminate stormwater, water courses or ground water.

### 5.5.1. Management Strategy

WPRRF implements all practical measures to contain leachate and treat onsite through the trade waste system. The majority of the site has been sealed so that water that may have leached through waste is contained and treated.

All covered areas drain to the trade waste system. The water from the site passes through a collection or separator pit, and then to the trade waste treatment system, which modifies the quality of the effluent so that it complies with the Trade Waste Agreement 7976 (see **Appendix 6**.)

Surface water runoff from all non-contaminated areas is directed to the stormwater drain system (fitted with emergency shut off isolation valve).

Contaminated water is treated through the trade waste system and directed to sewer under Sydney Water Trade Waste Agreement 7976

### 5.5.2. Infrastructure and Collection

Primary infrastructure at WPRRF includes:

- Filters;
- Pumps
- Drainage system.

### 5.5.3. Monitoring Requirements

Monitoring and inspections checks for these are included on the site WPRRF *Weekly Inspection Checklist FORM026.4.47*.

### 5.5.4. Notification Requirements

The EPA must be notified refer to 5.4 (see **Appendix 5**.)



## 5.6. Water

Water is to be managed in accordance with the requirements set out in the *Water Management SOP069*. The purpose of water management is to ensure that site activities don't impact off site and cause pollution or contamination of stormwater, water courses or ground water.

### 5.6.1. Stormwater

#### 5.6.1.1. Management Strategy

WPRRF implements all practical measures to prevent stormwater becoming contaminated by the activities onsite and treats contaminated or potentially contaminated stormwater prior to being discharged from the site.

The site keeps a high level of housekeeping and ensures that water from sealed sections of site is directed to the treatment and storage area in the SUEZ yard.

### 5.6.2. Firewater

#### 5.6.2.1. Management Strategy

In the event of a fire on site WPRRF implements all practical measures to prevent firewater from discharging from the site prior to treatment. This includes the closing of a keystone valve at the front of the property which stops the escape of water collected in stormwater drains to the Sydney Water stormwater network. The load out tunnel acts as a containment area for additional fire water which is then pumped out by tankers and removed offsite for treatment at a licenced facility.

## 5.7. Air and Dust

The management of air and dust is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Station SOP047*. The purpose of dust management is to ensure that the neighbouring properties are not adversely affected by dust produced by site operations. Dust suppression system is installed within facility reflective of consent SSD 7267 requirements

### 5.7.1. Management Strategy

Potential dust nuisance from the waste streams is controlled through simultaneous dust and odour misting system that automatically runs in the transfer shed. The misting system drops mist from the ceiling of shed either in auto or manual mode. The site also has access to water and hoses to wet down waste on the hard stand if necessary. This system can also be used manually when required

Dust created from road use is controlled by maintaining the roads in good conditions, road sweeping and cleaning with bob cat.

Dust and air are also monitored by a 3<sup>rd</sup> party to show that dust isn't affecting neighbours and that dust levels are appropriate for occupational health.

FORM026 site weekly checklist is used to monitor and record the operational status of the dust suppression system and deodoriser lines, weekly cleaning of surge pit and tipping floor and recording of previous date for cleaning down of walls.

### 5.7.2. Infrastructure and Collection

Deodoriser Dust Suppression System consists of:

- Ceiling piping infrastructure as per consent SSD7267;
- Nozzels; and
- Pump.

The odour and dust misting systems are checked on a weekly basis via the WPRRF Weekly Inspection checklist FORM026.4.47 and serviced quarterly by a 3<sup>rd</sup> party.

## Environmental Management and Monitoring

### 5.7.3. Notification Requirements

The EPA must be notified refer to 5.4. (see **Appendix 5**)

### 5.8. Odour

The management of odour is to be conducted in accordance with the requirements set out in *Odour Management SOP065*. The purpose of odour management is to ensure that the neighbouring properties are not adversely affected by odour from on-site operations.

#### 5.8.1. Management Strategy

Potential odour nuisance from waste streams is controlled as mentioned above through a Deodouriser Dust Suppression System. The site can use different masking odours which are automatically added into the misting system. This system can also be used manually when required

#### 5.8.2. Infrastructure and Collection

Deodouriser Dust Suppression System consists of:

- Ceiling piping infrastructure;
- Nozzels; and
- Pump.

The odour and dust misting system is checked on a weekly basis via the WPRRF Weekly Inspection checklist *FORM016.4.47* and *WPRRF Weekly Odour Monitoring Checklist FORM026.4*.

#### 5.8.3. Notification Requirements

The EPA must be notified refer to 5.4. (see **Appendix 5**)

### 5.9. Litter

The management of litter is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose for control and management of litter is to ensure that the local amenity isn't affected by wind-blown litter.

#### 5.9.1. Management Strategy

The site has a purpose built litter fence in addition to other site fences to prevent litter from leaving the site. The site also follows housekeeping standards and makes sure litter is cleaned up on a routine basis.

#### 5.9.2. Monitoring Requirements

The following checks are completed using the *WPRRF Weekly Inspection Checklist FORM026.4.47* to ensure litter is controlled;

- Roads and entrance/exit checked for litter;
- Fences in good condition; and
- Housekeeping standards maintained daily.

### 5.10. Noise

The management of noise is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose of noise management is to ensure that no loss of amenity is caused to neighbours from noisy operations on site or risk to the health and safety of workers on site

Independent noise monitoring will be conducted annually. Noise from the premises will be measured at the most affected point within the residential boundary, or at the most affected point within 30 meters of the dwelling where the dwelling is more than 30 meters from the boundary, to determine compliance with the noise levels in the licence and consent.

Annual monitoring results will be sent to the EPA.

## 5.10.1. Management Strategy

The site equipment and activities are conducted to prevent adverse noise levels. Appropriate and well maintained equipment on site. Noise monitoring is completed by a 3<sup>rd</sup> party to check levels at boundary and to ensure appropriate levels for occupational health.

- The use of appropriate and well-maintained machinery manufactured to appropriate design specifications
- Process activities conducted during specified operating hours.

In addition, vehicles entering the site must adopt the following measures to ensure noise is minimised by restricting the number of waste transport vehicles in operation during the early hours of the day:

- All vehicles are to limit the use compression breaking;
- All vehicles are required to adhere to site sign posted speed limits; and
- All vehicles are to be operated between the allowed hours of operations.

## 5.11. Pests and Vermin

The management of pests and vermin is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose of pest and vermin management is to reduce the impact on amenity to neighbours and the community caused by pests and vermin on site.

### 5.11.1. Management Strategy

The site uses various methods and strategies to prevent pests and vermin. There are various strategies that are following routinely to prevent pests and vermin, including:

- Containment of waste.
- Removal of waste.
- Emptying of bins on site Daily as required.
- Litter/waste clean-up.
- Daily and weekly housekeeping.
- Scheduled pest control by 3<sup>rd</sup> party

The following are strategies that will be implemented if/when required.

- Target pest and vermin treatments.

## 5.12. Fire Detection

Fire detection and early control of fires is important in the waste industry to prevent environment pollution from the burning of waste. The WPRRF has a fire sprinkler system installed within the receival hall, load out tunnel, recycling plant area and within administration office with a back to base fire alarm system. There are fire extinguishers, hose reels, hydrants and thermal cameras are located around the site, this includes the load out tunnel and recycling plant. The purpose of the fire detection is to ensure the authorities and site personnel are notified as early as possible to the risks to workers, neighbours and the environment.

### 5.12.1. Management Strategy

WPRRF is committed to managing the risk of fire. The site implements all practical measures to prevent fires on site, including providing feedback to customers on hazardous wastes, clearing the waste and remaining vigilant during waste acceptance. WPRRF conducts 6 monthly fire equipment inspections, annual fire statement, annual sprinkler and hydrant flow tests, and conducts a 5 yearly hydrostatic test, all by a qualified 3<sup>rd</sup> party.

## Environmental Management and Monitoring

There are thermal Mobotix cameras installed on site.

All Operators are trained in basic firefighting skills, there are trained wardens on site

### **5.12.2. Sampling Equipment and Instructions**

Fire equipment is tested as per the Australian Standard for inspection and testing frequencies.

### **5.12.3. Notification Requirements**

The EPA must be notified refer to 5.4. (see **Appendix 5**)

## 6. Definitions

**Leachate** – A liquid that has percolated through and/or been generated by decomposition of waste material. It includes water that comes into contact with waste and is potentially contaminated by nutrients, metals, salts and other soluble or suspended components and products of decomposition of the waste.

## 7. Related Documents

DOCUMENT NAME	REFERENCE
Traffic Management Plan	PLANS002
Emergency Response Plan (includes Pollutant Incident Response Management Plan)	PLANS003
Spill Response	SOP007
Hazardous chemicals including dangerous goods	SOP017
Leachate Management	SOP036
Calibration and servicing of equipment	SOP037
Site Maintenance – Infrastructure facilities	SOP041
Site Maintenance – Transfer Stations	SOP047
Odour Management	SOP065
Environmental Complaints Management	SOP066
Water Management	SOP069
Plant Management	SOP085
Utility Services	SOP102
WPRRF Weekly Inspection Checklist	FORM026.4.47
WPRRF Weekly Odour Monitoring Checklist	FORM026.4
Trade Waste monitoring log	FORM075

## 8. Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial Issue.	Jacque Simmons / Compliance Officer		May 2019
2	Reviewed to include stage one and stage two works	Jacque Simmons Site Manager		September 2019
3	Revision and update following DPIE review	J.Simmons K.Telfer K.Gee		November 2019


9. Appendices

**APPENDIX 1. Environment Protection Licence, 4548**

Section 55 Protection of the Environment Operations Act 1997

## Environment Protection Licence

Licence - 4548



<u>Licence Details</u>	
Number:	4548
Anniversary Date:	15-June

<u>Licensee</u>
SITA AUSTRALIA PTY LTD
20 DAVIS ROAD
WETHERILL PARK NSW 2164

<u>Premises</u>
WETHERILL PARK RESOURCE RECOVERY FACILITY
20 DAVIS ROAD
WETHERILL PARK NSW 2164

<u>Scheduled Activity</u>
Waste Processing (non-thermal treatment)
Waste Storage

<u>Fee Based Activity</u>	<u>Scale</u>
Non-thermal treatment of hazardous and other waste	Any T treated
Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	> 0 T stored
Waste storage - other types of waste	> 0 T stored

<u>Region</u>
Waste & Resources - Waste Management
59-61 Goulburn Street
SYDNEY NSW 2000
Phone: (02) 9995 5000
Fax: (02) 9995 5999
PO Box A290 SYDNEY SOUTH
NSW 1232

Environment Protection Authority - NSW  
Licence version date: 4-Aug-2015

Page 1 of 18

**APPENDIX 2. Waste Acceptance Type and Quantity Limits**

Code	Waste	Description	Activity	Other Limits
NA	Office and Packaging Waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	Maximum of 10,000 tonnes to be received per 12 months.
NA	Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Garden waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Wood waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste mineral oils unfit for their original intended use	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
N/A	Gas bottles		Waste storage	NA
D220	Lead acid batteries	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
F100	Waste ink, dye, pigment, paint, lacquer & varnish	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Building and demolition waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Household waste from municipal clean-up that does not contain food waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste collected by or on behalf of local councils from street sweeping	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Non-chemical waste generated from manufacturing and services (including metal, timber, paper, ceramics, plastics, thermosets, and composites)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548

**Licence Issue Date:** 4<sup>th</sup> August 2015



**APPENDIX 3. Waste Management – General Solid Waste (Putrescible)**

**O6 Waste management**

**General Solid Waste (putrescible)**

- O6.1 The licensee must keep general solid waste (putrescible) in a separate designated area from all other wastes received at the Premises.
- O6.2 General solid waste (putrescible) must not be mixed with any other wastes received at the Premises.
- O6.3 The licensee must remove all general solid waste (putrescible) within 24 hours of it being received at the Premises.

**Source:** Department of Environment Protection Authority – Licence  
**Licence:** 4548      **Licence Issue Date:** 4<sup>th</sup> August 2015

**APPENDIX 4. Monitoring Requirements**

**M4 Other monitoring and recording conditions**

**Monitoring of waste(s) received**

- M4.1 The licensee must record the following information for each load of waste(s) received at the premises:
  - (a) the registration number of the vehicle;
  - (b) the time and date of receipt of the waste;
  - (c) the source of the waste;
  - (d) the type(s) of waste; and
  - (e) the quantity of each type of waste (in tonnes).

**Source:** Department of Environment Protection Authority – Licence  
**Licence:** 4548      **Licence Issue Date:** 4<sup>th</sup> August 2015

**APPENDIX 5. Notification Requirements**

**R2 Notification of environmental harm**

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548

**Licence Issue Date:** 4<sup>th</sup> August 2015

**APPENDIX 6. Consent to Discharge – Sydney Water**

**Consent to Discharge Industrial Trade Wastewater**

**SYDNEY WATER CORPORATION**

and

**SUEZ RECYCLING & RECOVERY PTY LTD**

**A.B.N. 70 002 902 650**

**ACTIVITY: WASTE TRANSFER STATIONS (GE08)**

**RISK INDEX: 07**

**CONSENT NO: 7976**

**CONNECTION NO: 1**

**PROPERTY NUMBER: 4477822**

This CONSENT is made on Executed for and on behalf of Sydney Water Corporation

day: 7 month: 6 year: 2017

By

  
.....  
(Signature)

Caleb Furner  
Manager Major Customers

In the presence of:

Witness

  
.....  
(Signature)

John Mawbey  
.....  
(Print name of witness)

Executed for and on behalf of the Customer:

  
.....  
(Signature)

By

ROBERT COLTHARD SITE MANAGER.  
.....  
(Print name and position of person signing)

In the presence of:

Witness

x   
.....  
(Signature)

Jacquie Simmons  
.....  
(Print name of witness)

*This consent must be executed by the Customer prior to execution by Sydney Water and submitted by the Customer to Sydney Water for its consideration. Submission of a consent executed by the Customer under no circumstances obliges Sydney Water to enter into or complete the consent. Submission of an executed consent by the Customer constitutes an application for a consent which Sydney Water may in its reasonable discretion reject, or with the consent of the Customer modify any of the proposed terms thereof.*

**Source:** Sydney Water Corporation – Consent to Discharge  
**Consent:** 7976      **Licence Issue Date:** 7 June 2017

**APPENDIX 7. Development Consent**

**Development Consent**  
 Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed on 14 September 2011, the Planning Assessment Commission (the Commission) of New South Wales, approves the Development Application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Development.



**Ross Carter**  
 Member of the Commission



**Dianne Leeson**  
 Member of the Commission

Sydney

11 September 2017

**SCHEDULE 1**

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alteration and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)

**Source:** Department of Planning - Development Consent

**Consent:** SSD 7267

**Approved:** 11<sup>th</sup> September 2017

**APPENDIX 8. Modification of Development Consent**

**Modification of Development Consent**  
**Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979***

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.



Chris Ritchie  
 Director  
 Industry Assessments

Sydney 4 APRIL 2019 File: EF18/45114

**SCHEDULE 1**

<b>Application No:</b>	SSD 7267
<b>Applicant:</b>	SUEZ RECYCLING & RECOVERY PTY LTD
<b>Consent Authority:</b>	Minister for Planning
<b>Development:</b>	Alterations and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)
<b>Date of Original Consent:</b>	11 September 2017
<b>Modification:</b>	SSD 7267 MOD 2 – staged construction and increase in the processing capacity of general solid waste (putrescible) and amendment to site layout.

**Source:** Department of Planning – Modification of Development Consent

**Consent:** SSD 7267                      **Approved:** 4<sup>th</sup> April 2019

**APPENDIX 9. Flood Emergency Response Plan**

## FLOOD EMERGENCY RESPONSE PLAN (FERP)

for

**SUEZ Resource Recovery Facility  
20 Davis Rd, Wetherill Park NSW**

as of

*November 2018*

**Person in Charge of FERP:** Chief Warden

**FERP Team Members:** Deputy Warden  
Wardens  
First Aiders

**1. Introduction:** This Flood Emergency Response Plan (FERP) has been established to clearly define actions that should be taken in the event of a pending flood event to our site. The plan is designed to proactively outline actions to be taken to prevent loss of life and physical injuries to persons on site, damage to buildings, machinery and equipment and stock /supplies at this site in order that we may resume operations as quickly as possible after the flood event is over. The FERP has been prepared with reference to the Flood Risk Management Guidelines (FRGM) (OEH 2017). The FERP considers the provisions of the FRGM with the applicable guideline being *Flood Emergency Response Planning Classification of Communities*. The development has been assessed against *Figure 1 – Preliminary Flow Chart for Flood Emergency Response Classification* to determine the FERP Response Classification of Communities, with the resultant classification being "High Trapped Perimeter Area" as noted in section 2 of this FERP. The FERP addresses the provisions of this classification which states "*Vehicle evac must be completed before routes close. After closure resupply insitu or transported by Air/Boat*". As the site is cut-off by the short duration overland flow flood event refuge on-site is proposed under Section 5 of this FERP, which also notes when the predicted safe evacuation of the site can be undertaken. This plan is to be updated every 5 years, as indicated in the Floodplain Development Manual.

**2. Overview of flood threat:** The SUEZ Resource Recovery Facility site is exposed to overland flooding from the west. Flood mapping created by Golder Associates (Refer Appendix A) shows the predicted overland flow passing from the western boundary through the northern east-west driveway of the site, then heading east along Davis Rd. The predicted depth of flow for the 100-year storm, a storm event with a likelihood of 1% to occur in a single year, is approximately 300mm along the Northern driveway, and a top water level of 40.40 is reached along the western

17265\_FERP\_REV7



APPENDIX 10. Odour Management Plan

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# Odour Management Plan

## Wetherill Park Resource Recovery Park

Document #. PLANS004.7.2

Issue date October 2019

Version 1





APPENDIX 11. Operational Traffic Management Plan

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# Operational Traffic Management Plan

## Wetherill Park Resource Recovery Facility

Document # : PLAN002  
Issue date October 2019  
Version 4

Plan to specify the designated areas for various traffic flows throughout the facility.



**APPENDIX 12. DPE Approval of Flood Emergency Response Plan**

Ms Carol Ng  
Project Manager  
SUEZ Recycling and Recovery Pty Ltd  
PO Box 3500  
Rhodes NSW 2138

Contact: Susan Fox  
Phone: (02) 9274 6466  
Email: Susan.Fox@planning.nsw.gov.au

Our ref.: SSD 7267

Dear Ms Ng

**Wetherill Park Transfer Station  
Approval of the Flood Emergency Response Plan  
SSD 7267**

I refer to your emails dated 3 September 2018, 7 November 2018 and 10 December 2018 seeking approval for the Flood Emergency Response Plan (FERP) as required by Condition B20 of Schedule 2 of SSD 7267.

The Department has reviewed the FERP and concludes the plan addresses the relevant condition. As such, the following plan is approved:

- Flood Emergency Response Management Plan prepared by Sparks and Partners Consulting Engineers dated November 2018 (17265\_FERP\_REV7).

The Department notes that condition C2 and condition C4 requires the FERP to form part of the Construction Environmental Management Plan (CEMP) and the Operational Environmental Management Plan (OEMP) condition. Please ensure the FERP is included within the CEMP and OEMP.

Should you have any queries in relation to this matter, please contact Susan Fox, Senior Planning Officer on the above contact details.

Yours sincerely



Chris Ritchie  
**Director**  
**Industry Assessments**  
as delegate of the Planning Secretary

17/12/18.

## APPENDIX 13. Endeavour Energy limitations



### General Restrictions for Overhead Power Lines

Endeavour Energy wishes to provide the following list of 'General Restrictions' applicable to the '**Easement Area**'. It should be noted that these are indicative guidelines only and that this information should be administered in conjunction with the requirements of the Work Health and Safety (WH&S) Act and WorkCover legislation.

Endeavour Energy recommends a policy of '**prudent avoidance**' be adopted in relation to the use of the easement area for ongoing staff activities or work areas. Additionally, WH&S and WorkCover legislation should be consulted in relation to this matter.

As existing ground levels throughout the easement are unknown, it is assumed that minimum design clearances exist within the easement area. As such, references to permissible heights on any activity may alter from that stated within this document. **Written approval** must be sought for any activity within the easement area. For such approval, detailed plans drawn to scale and fully dimensioned showing property boundaries and other relevant information should be forwarded to Endeavour Energy.

Approval to encroach into the easement area will not be granted where an alternate site clear of the easement area exists. All approvals granted are subject to the encroachments being removed or relocated; at the owner's expense should Endeavour Energy require this for cable maintenance, construction or emergency works.

Should any earthing be disturbed whilst work is being carried out, all work should immediately cease and Endeavour Energy notified so that the earthing can be reinstated.

1. Construction of buildings (permanent or temporary) e.g. Houses, site-sheds, shipping containers, other substantial structures or parts thereof, including eaves, guttering and footings, shall not be erected within the easement area.
2. No encroachment into the easement will be permitted within 15 metres of the closest structure and 5 metres from the vertical projection of the closest conductor.
3. Changes to ground levels within the easement area are not permitted without the prior written approval of Endeavour Energy. Applications are to be supported by a geo-technical report prepared by a civil engineer.
4. **Statutory clearances to the conductors are to be maintained at all times.** It should be noted that power lines are designed to allow for sag and swing sideways, consequently allowance for this needs to be considered at all times. The statutory clearance from 0 kV to 132 kV conductors is 3 metres, in all directions, at all times. This measurement



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# Odour Management Plan

## Wetherill Park Resource Recovery Park

Document #. PLANS004.7.2

Issue date October 2019

Version 1



## Table of Contents

1.	Introduction .....	3
1.1.	Overview .....	3
1.2.	Objective .....	3
1.3.	Description of Operations .....	3
1.4.	Receptor Locations .....	4
2.	Odour Management Plan Compliance Requirements .....	6
2.1.	Development Consent .....	6
2.2.	Environment Protection Licence .....	7
2.3.	Odour Performance Criteria.....	7
3.	Odour Management.....	8
3.1.	Potential Odour Sources.....	8
3.2.	Controls of Potential Odour Sources .....	8
3.2.1.	Waste Reveal and Storage Area .....	8
3.2.2.	Waste Pit.....	9
3.2.3.	Vehicles Entering / Exiting the Site.....	9
3.2.4.	Leachate Containment Tank and Stormwater Pits .....	9
3.2.5.	General .....	9
3.2.6.	Odour Monitoring Program .....	10
4.	Environmental Incident Management and Community Engagement .....	11
4.1.	Complaints Management.....	11
5.	Contingency Plan.....	12
6.	Review .....	15
6.1.	Staff Training .....	15
6.2.	OMP Review .....	15
6.3.	Initial Odour Audit .....	15
6.4.	Ongoing Odour Audits .....	15
7.	Responsibilities .....	16
7.1.	Site Manager .....	16
7.2.	EQS and Compliance Personnel .....	16
7.3.	Site Supervisor .....	16
7.4.	Site Office Staff.....	16
7.5.	Site Staff .....	16
8.	Related Documents .....	17
9.	Review and Document Control.....	17
10.	References.....	18

## 1. Introduction

### 1.1. Overview

SUEZ Recycling and Recovery (SUEZ) Wetherill Park Resource Recovery Facility (WPRRF) is located at 20 Davis Road, Wetherill Park (the 'site'). The site already operates as a resource recovery facility, receiving General Solid Waste (putrescible) and General Solid Waste. Following environmental and developmental assessment, WPRRF has received approval to increase its capacity of putrescible waste. SUEZ is required to prepare an Odour Management Plan (OMP) as part of approval conditions. As such, this document sets out procedures and measures to be undertaken to mitigate and manage odour impacts.

The OMP forms part of the WPRRF Operational Environmental Management Plan (OEMP) (Document # PLANS004).

### 1.2. Objective

The objective of the Odour Management Plan (OMP) is to ensure that SUEZ is operating the WPRRF in a manner that does not cause or permit the emission of any offensive odour beyond the boundary of the site.

**Chapter 2** outlines requirements for the OMP. Amongst other things the OMP is to include a description of all potential odour sources and identify how odour control measures will be adopted to limit odour release.

Activities to manage potential odours from the operations will include identification of odour sources, odour monitoring, odour controls, complaint procedures, contingency planning and consultation.

The requirement is to 'implement the plan', which means that all operations must use the odour control facilities provided in design, and document the procedures to be followed in operations and maintenance to keep odour emissions within the levels necessary to meet the objective.

### 1.3. Description of Operations

WPRRF is licenced to receive and process up to 10,000 tonnes per annum (tpa) of general solid waste (putrescible), general solid waste (non-putrescible) other limits N/A. Additionally, general solid waste (putrescible) will not be stored on site for more than 24 hours from the time of receipt.

*WPRRF is currently undergoing approved staged consent works described as following:*

*Stage one - Increase in tonnage, heavy vehicle hardstand parking, stormwater system upgrade, upgrade to fire system, roller shutters, additional odour sprays above vehicle entry and exits and sealant to concrete working floor in the receipt hall*

*Stage two – new exit doorway from within facility with roller shutter and widening of southern ring road*

*Consent variation – increase to asbestos receipt limits*

*Licence variation – increase waste receipt tonnages*

Development Consent hours

Operational Monday – Sunday 24 hours

WPRRF operates for general public in accordance with the hours listed below:

<b>Sunday</b>	<b>22:00pm to Saturday 13:00pm</b>
<b>Sunday</b>	<b>06:00am to 13:00pm</b>
<b>Public Holidays</b>	<b>Closed</b>

#### 1.4. Receptor Locations

The identification of receptors was undertaken as part of the Odour Assessment that formed part of the Environmental Impact Assessment. Receptors are located around the WPRRF, primarily north and east of the facility, and are presented in **Table 1** and **Figure 1**. It is noted that the receptors are commercial properties, and residential properties are located further away (approximately 1.5 km).

Table 1: Receptor Locations

ID	Type	UTM Zone 56S	
		Easting (m)	Northing (m)
R1	Commercial	305,403	6,254,043
R2	Commercial	305,466	6,253,940
R3	Commercial	305,502	6,253,943
R4	Commercial	305,542	6,253,941
R5	Commercial	305,595	6,253,942
R6	Commercial	305,637	6,253,945
R7	Commercial	305,607	6,254,033



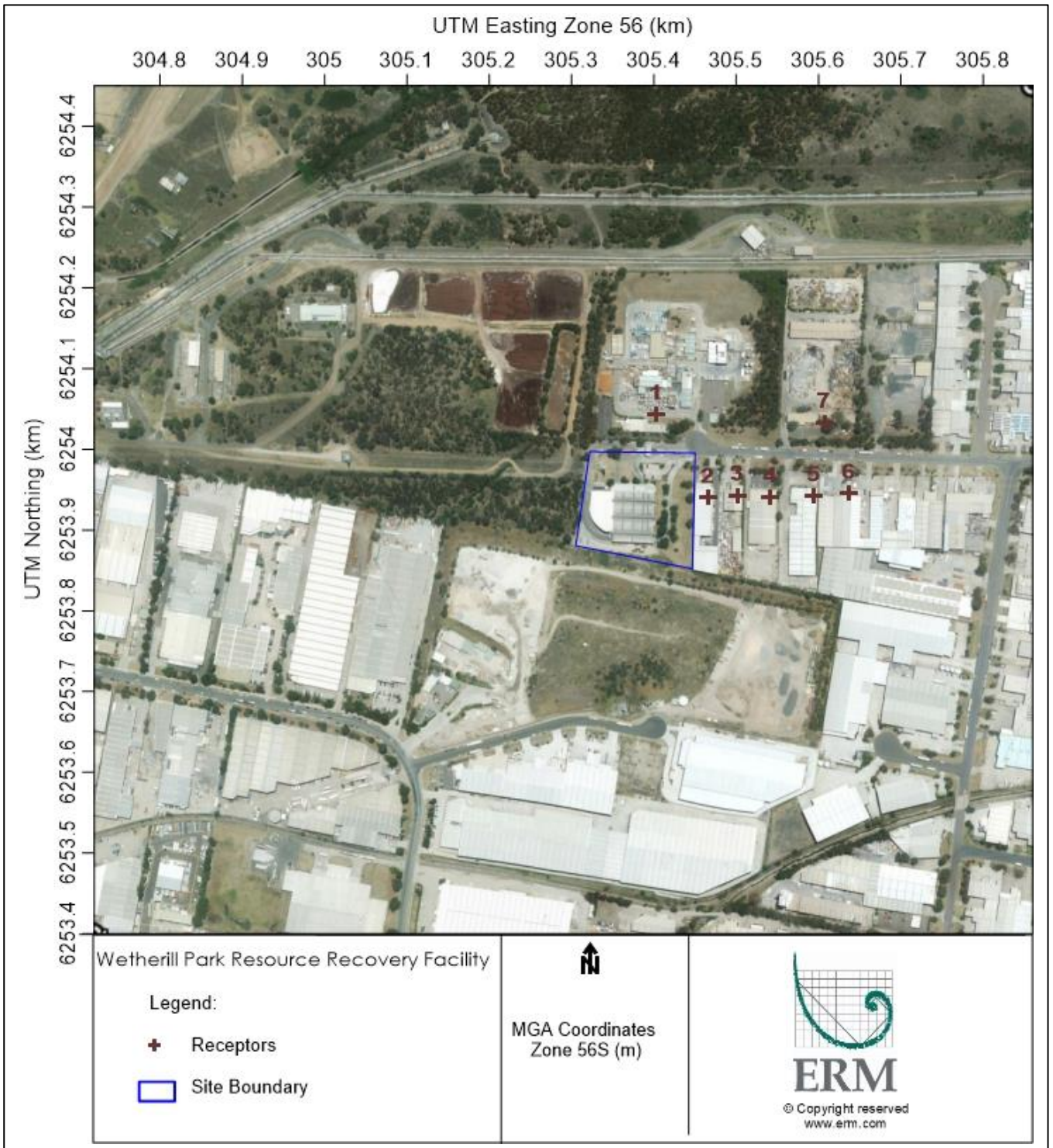


Figure 1: Location of Sensitive Receptors

## 2. Odour Management Plan Compliance Requirements

An OMP is required for the WPRRF operations as part of site Development Consent conditions and the Environment Protection Licence. The OMP forms part of the OEMP, and has been prepared in accordance with the conditions as outlined below.

### 2.1. Development Consent

An Odour Management Plan is required as part of the site Development Consent SSD 7267 (the 'Development Consent'), dated 11 September 2017 and modified 4 April 2019. Relevant Development Consent conditions are outlined in Table 2.

Table 2: Development Consent Conditions

Condition	
<b>Odour Management</b>	
B7	The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
B8	Prior to the commencement of Stage 1 operations and to the satisfaction of the EPA, the Applicant must: <ul style="list-style-type: none"> <li>(a) install deodorising sprays over the vehicle entrance and exits; and</li> <li>(b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.</li> </ul>
B9	During operations, the Applicant must: <ul style="list-style-type: none"> <li>(a) conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;</li> <li>(b) conduct annual wash down of interior walls and surfaces;</li> <li>(c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and</li> <li>(d) ensure that deodorising sprays are operational at all times.</li> </ul>
<b>Odour Management Plan</b>	
B14	Prior to the commencement of Stage 1 operations and Stage 2 operations, the Applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and the Secretary. The OMP must form part of the OEMP required by Condition C4 and be prepared in accordance with C6. The OMP must: <ul style="list-style-type: none"> <li>(a) be prepared by a suitably qualified and experienced person(s) in consultation with the EPA;</li> <li>(b) describe the measures that would be implemented on-site to ensure:                             <ul style="list-style-type: none"> <li>i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;</li> <li>ii. compliance with the relevant conditions of this consent;</li> <li>iii. compliance if adverse odour emissions occur or appear likely to occur;</li> </ul> </li> <li>(c) include an ongoing monitoring program;</li> <li>(d) include well defined triggers for the deployment of odour mitigation and contingency measures; and</li> <li>(e) include a protocol which includes contingency measures for system failures.</li> </ul>
B15	The Applicant shall ensure the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.
<b>Odour Audit</b>	
B16	The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of Stage 2 operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:

Condition	
	(a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary; (b) audit the Development in full operation; (c) include a summary of odour complaints and any actions that were carried out to address the complaints; (d) validate the Development against odour impact predictions in the EIS and the RTS; (e) review the design and management practices in the Development against industry best practice for odour management; (f) identify suitable odour mitigation options and controls, including but necessarily limited to: <ul style="list-style-type: none"> <li>i. mechanical ventilation;</li> <li>ii. operation of the building under negative pressure to minimise fugitive emissions; and</li> <li>iii. odour capture and control options.</li> </ul> (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions. <i>Note: The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.</i>
B17	Within two months of commissioning of the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant’s response to any recommendations contained in the Odour Audit report.
B18	The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department’s assessment of the Odour Audit report required by Condition B17.

**2.2. Environment Protection Licence**

The operation of the WPRRF is also subject to conditions of Environment Protection Licence 4548 (‘EPL’). Specific conditions relating to odour are noted in **Table 3**.

Table 3: Environment Protection Licence Conditions

Condition	
<b>L3</b>	<b>Potentially offensive odour</b>
L3.1	The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.
Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.	

**2.3. Odour Performance Criteria**

Odour modelling and assessment undertaken as part of the Environmental Impact Assessment (Pacific Environment, 2016). From assessment of relevant regulatory requirements, it was determined that, based on the population density of the surrounding area, the impact assessment criteria of 2 OU (at the 99th percentile; EPA, 2005) is applicable for the site. It is predicted that operations at WPRRF will be able to meet the 2 OU assessment criteria at the closest commercial receptor locations identified in **Figure 1**.

## 3. Odour Management

Odour management will be undertaken to fulfil approval requirements, as well as meet SUEZ Odour Management procedure (Document # SOP065).

### 3.1. Potential Odour Sources

Following a detailed review of the WPRRF site operations SUEZ has identified a number of potential odour sources. The potential impacts of these odour sources have been quantified using the SUEZ internal risk management procedure. The potential odour sources have been ranked according to their inherent risk rating and is reflected in the list below:

1. Waste receipt and storage area, including:
  - Tipping floor for processing putrescible waste;
  - Tipping floor for processing non-putrescible waste;
  - Including small vehicle unloading area
  - Including commercial vehicle unloading area
2. Waste Pit;
  - Waste pit for processing putrescible waste;
  - Waste pit for processing non-putrescible waste;
3. Vehicles entering/exiting the site; and
4. Leachate containment tank and stormwater pits.

### 3.2. Controls of Potential Odour Sources

As part of the risk management procedure controls have been identified and implemented to ensure that all potential odour sources are controlled and do not impact on neighbouring properties. The controls have been broken down into areas of potential odours sources which are listed below.

#### 3.2.1. Waste Receipt and Storage Area

- Waste received must comply with allowed waste listed in Condition L2.1 of Environment Protection Licence 4548. Waste type will be monitored by the weighbridge staff and site operators using the waste classification guidelines.
- Waste type will be monitored by the weighbridge staff and site operators using the waste classification guidelines.
- Retrieved Waste will be separated into marked zones by customers and operators. The waste will then be processed.
- Haz chem items are stored within IBCs, bunds, cage or drums. These are stored and clearly labelled while waiting collection.
- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- Equipment and work areas are regularly washed. In particular:
  - conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;
  - conduct annual wash down of interior walls and surfaces; and
  - ensure that all trucks and trailers parked at the site are cleaned fortnightly;
- Litter patrols are conducted on a regular basis.
- Continue existing operation of the Deodoriser Dust Suppression System, installed in the roof over the waste surge pit and over all entry ways that contains odour suppressing compounds in the ultra-fine water fog.
- Waste delivery trucks entering the terminal would be required to be fully enclosed or covered.



- All waste received is to be delivered within the confines of the waste receivables hall in order to control the potential for odour release.
- Receiving hall roller doors must be closed when site is not in operation.
- General solid waste (putrescible) is removed from site within a 24 hour period.

### 3.2.2. Waste Pit

- General Solid Waste (Putrescible) and General Solid Waste non-putrescible waste stream will be kept separate.
- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- The amount of General Solid Waste (putrescible) on-site within the receiving hall will be minimised as much as reasonably practicable.
- General solid waste (putrescible) is removed from site within a 24 hour period.
- Wastes are transported to approved licenced disposal facilities
- Installed deodoriser suppression system above waste pit

### 3.2.3. Vehicles Entering / Exiting the Site

- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- Traffic management procedures to co-ordinate the delivery schedule and avoid a queue of the incoming or outgoing trucks for extended periods of time.
- Spill management procedures to include immediate cleaning up of any spill/leakage from incoming and outgoing trucks.
- Installed deodoriser suppression system above vehicle entry and exit doors

### 3.2.4. Leachate Containment Tank and Stormwater Pits

- All liquid that comes into contact with waste is considered leachate.
- Routine site inspection will be conducted to observe wastewater treatment is operational, and promptly follow-up with any issues as per the Contingency Plan in **Section 5**.
- Routine site walks will be conducted to ensure stormwater drains are free of debris and/or waste. Debris/waste will be cleared from stormwater drains as soon as practicable.
- Leachate will be treated in the wastewater treatment plant on site, in accordance with the Trade Waste Agreement 7976 and the OEMP.
- SUEZ arranges collection and analysis of water sampling as per Trade Waste Agreement 7976 with the schedule of 90 days

### 3.2.5. General

- Ensure all machinery and equipment is maintained in accordance with manufacturer's recommendations, and keep maintenance records;
- An odour complaint database (SIMS) will be maintained. Where a complaint in relation to odour is received, immediately investigate any unusual odour sources (including spill or leakage in the traffic areas) within the site boundary and take appropriate action to eliminate these. Offsite odours not generated by the SUEZ facility will also be noted on WPPRF Weekly Odour Monitoring Checklist FORM026.4
- Operational practices and management plans will be reviewed regularly as outlined in **Section 6** and
- Provide relevant training to staff including:
  - Site induction (including OEMP, OMP, TMP, ERP (PIRMP) and complaints procedures);
  - Waste handling and transfer training;
  - Machinery operation training;
  - Spill response training
  - Deodoriser Dust Suppression System training; and

- Toolbox meetings to discuss safety and/or compliance, conducted at least once a month.

### 3.2.6. Odour Monitoring Program

Weekly odour monitoring is required to ensure that all controls are effective and will include:

- The odour monitoring will be conducted and recorded weekly.
- The Compliance Officer or nominated person will conduct the odour monitoring to check for any unusual level of odour around the site.
- Specific locations to be visited during the odour monitoring is outlined within the Weekly Odour Monitoring Form provided in **Appendix A**.
- The weekly odour monitoring will include review of the controls on potential odour sources and the efficiency of the odour controls in place.
- If an unusual level of odour is detected the Site Manager should be notified so that the source can be determined and repaired.
- External odour monitoring to be completed proactively, during adverse weather conditions or in response to an odour complaint

## 4. Environmental Incident Management and Community Engagement

In accordance with the OEMP, all environmental incidents are to be recorded in accordance with the Incident Reporting and Corrective Action Procedure. Environmental complaints are handled in accordance with the Environmental Complaints Management Standard Operations Procedure (SOP). All environmental incidents and complaints are recorded in the SUEZ Integrated Management System (SIMS).

The EPA Licence also has specific requirements relating to the notification of environmental harm. This is outlined in **Table 4**.

Table 4: Environment Protection Licence Notification of Environmental Harm Conditions

Condition	
<b>R2</b>	<b>Notification of environmental harm</b>
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.
Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	

### 4.1. Complaints Management

A Complaint and Incident Register (the 'Register') is to be maintained at the site by SUEZ and published on the SUEZ website in compliance with C11 of the consent SSD 7267. The Register will be maintained throughout the operational life of the site and will also be utilised as a tool to improve the management of the site.

A free call telephone line through SUEZ's Customer Service department operates 24 hours a day 7 days per week. Ph: 13 13 35 (COC 153). The details of all complaints received and actions taken in response to the complaints are kept on the SUEZ database through the SIMS system. Complaints received via the hotline are investigated and responded to within the allocated time frame.

The information to be recorded as part of the investigation includes;

- Name of complainant;
- Contact details of complainant (e.g. telephone, email, postal address);
- Location, date and time at which alleged environmental impact occurred (street address);
- A general description of the nature of the environmental impact, including the following where applicable:
  - Duration and any pattern;
  - Character of odour;
- Whether there were any adverse health effects related to the environmental impact;
- What response has been requested or expected by complainant from SUEZ (e.g. a return phone call);
- The likely source(s) of the cause of the complaint; and
- What the weather conditions (e.g. wind speed, wind direction, temperature) were like at the time of the alleged environmental impact.

All records of complaints are kept for a minimum of 4 years after the complaint is made and can be produced upon request.



## 5. Contingency Plan

In the event of an unpredicted event or incident that causes or has the potential to cause odour impacts beyond the boundaries of the site, the contingency plan, provided in **Table 5** should be implemented.

Table 5: Contingency Plan

Ref No.	Description	Operational Control(s)	Risk Rating	Asset Management Control(s)	Responsibility	Measure of Success
1.	Significant Rain Event – Storm or Severe Forecast	<p>Upon alert from the Bureau of Meteorology, review the site to ensure it is prepared for the rain event including:</p> <p>Ensure leachate tank has capacity;</p> <p>Ensure wastewater treatment plant is operational;</p> <p>Ensure stormwater tank has capacity, and keystone valve is operational;</p> <p>Ensure stormwater drains are free of debris;</p> <p>Ensure all doors are operational and closed.</p>	15 Medium		Site Manager / Site Supervisor / Site Office Staff	<p>Operational readiness plans in place according to BOM forecast.</p> <p>Operational Aerators.</p>
2.	Waste Reival doors damaged and/or cannot close	<p>Ensure that the main waste reival doors are always operational and closed outside of facility operational hours.</p> <p>Damaged doors are repaired within 72 hours where practicable</p> <p>Deodouriser installed above doorways</p> <p>Remaining functional doors can be closed.</p> <p>FORM026.4 – WPRRF Weekly Odour Monitoring</p>	11 Medium	Spare door parts (e.g. actuator motors, runners, controls) to be held by supplier to ensure quick supply and repair.	Site Manager / Site Supervisor / Site Office Staff / Site Staff	Door repair repaired within 72 hours where practicable

## Contingency Plan



Ref No.	Description	Operational Control(s)	Risk Rating	Asset Management Control(s)	Responsibility	Measure of Success
3.	Deodoriser Dust Suppression System Failure	Contain all odours within the facility. Remove faulty component and repair or replace with spare parts. Remove waste from site as a priority.	11 Medium	Ensure spare parts are in stock and labelled as per manufacturer's stocking levels.  Ensure regular maintenance of system.	Site Manager / Site Supervisor / Site Staff	Immediate identification of failed component, repair undertaken with onsite stock (no downtime).
4.	Odour Complaint received	If an odour complaint is received from the community, EPA or Council, follow the Suez Complaints procedure.  FORM026.4 – WPRRF Weekly Odour Monitoring  Weather station on site	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Compliance with complaints procedure.
5.	Leachate containment tank, stormwater tank and/or wastewater treatment plan faulty	Remove faulty component and repair or replace with spare parts.  Activate isolation valve.  Arrange pit pump outs.	11 Medium	Ensure spare parts/chemicals are in stock and labelled as per manufacturer's stocking levels.  Ensure regular maintenance is undertaken.	Site Manager / Site Supervisor / Site Staff	Immediate identification of failed component, repair undertaken with onsite stock (no downtime).
6.	Accidental Waste Deposited/Spilled Outside WPRRF Building	Immediately notify Site Manager and proceed to contain the waste and relocate to within the building.  Directions given to customer at the weighbridge on where to tip on site.	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Immediate identification of waste and measures to contain waste.
7.	Excess waste received at the facility and processing capacity is exceeded and storage is not available	Divert waste loads to an alternate facility or send to suitably licensed landfill in line with Business Continuity Plan (PLANS006)  Monthly reporting to EPA – WARRP.	13 Medium	Review process performance and planned production weekly	Site Manager / Site Supervisor	Monthly processing capacity matches or exceeds incoming.

## Contingency Plan



Ref No.	Description	Operational Control(s)	Risk Rating	Asset Management Control(s)	Responsibility	Measure of Success
8.	Electrical Power Supply Failure	<p>Contain all odours within the facility.</p> <p>Upon power supply restoration check that all odour control plant is operating. Some may need to be reset.</p> <p>Underground utilities on site.</p> <p>Access to back up generator for extended power outage.</p> <p>Facility doors have manual override.</p>	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Facility doors closed during power failure
9.	Site Machinery Failure (Including Dozer, Excavator, Front End Loader, Bobcat, Forklift)	All machines are on a lease arrangement. If downtime is longer than 24 hours, the supplier is required to provide a replacement.	6 Low	Ensure regular maintenance as per manufacturer's requirements.	Site Manager / Site Supervisor / Site Staff	Machine replacement within 48 hours, if required.
10.	Truck Failure, unable to transport material	<p>Hire a replacement truck, or schedule additional walking floor loads. With remaining truck prioritise the transportation of material outside to reduce odour profile.</p> <p>Material must be covered as per licence conditions.</p> <p>Waste diversion in line with Business Continuity Plan (PLANS006).</p> <p>Ensure enough trucks in fleet to accommodate out of service vehicles.</p>	11 Medium		Site Manager / Site Supervisor / Site Staff	<p>Timely replacement of truck.</p> <p>No material stored in internal bunkers.</p>

## 6. Review

### 6.1. Staff Training

All staff will be trained on operation of machinery and equipment, SUEZ procedures and responsibilities outlined in the OEMP, OMP, TMP, ERP (PIRMP). Updated training will be provided if/when:

- New/upgraded machinery or equipment is provided; and
- Changes in SUEZ procedures, processes and/or standards.

### 6.2. OMP Review

The OMP will be reviewed every two years, and as relevant if there are any changes to the operations. This is to ensure that best practice odour management practices have been implemented, and to make improvements to the OMP, where practicable.

### 6.3. Initial Odour Audit

In accordance with Development Consent conditions, the first Odour Audit will be undertaken no later than six months after the commencement of Stage 2 operations. The Odour Audit will:

- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
- (b) audit the Development in full operation;
- (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
- (d) validate the Development against odour impact predictions in the EIS and the RTS;
- (e) review the design and management practices in the Development against industry best practice for odour management;
- (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
  - i. mechanical ventilation;
  - ii. operation of the building under negative pressure to minimise fugitive emissions; and
  - iii. odour capture and control options.
- (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

### 6.4. Ongoing Odour Audits

Following the first Odour Audit (refer **Section 6.3**), subsequent Odour Audits will be conducted by SUEZ personnel on an annual basis. Independent Odour Audits undertaken by suitably qualified, experienced and independent person(s) will be conducted on an as needs basis.

## 7. Responsibilities

### 7.1. Site Manager

The site manager has responsibility for:

- Implementation of this plan;
- Conforming with the plan;
- Training of staff in the plan;
- Communication of the plan ;
- Reporting of incidents; and
- Ensuring corrective actions are taken.

### 7.2. EQS and Compliance Personnel

Environmental, Quality and Safety (EQS) and Compliance Personnel have responsibility for:

- Carrying out control measures within their area of responsibility;
- Participating in and providing training;
- Ensuring site managers and supervisors are aware of their responsibilities under the SUEZ Odour Management procedure (Document # SOP065);

### 7.3. Site Supervisor

The site supervisor has responsibility for:

- Ensuring adherence to this plan;
- Conforming with the site plan;
- Reporting of incidents; and
- Implementing corrective actions.

### 7.4. Site Office Staff

Site office staff are responsible for:

- Informing the site manager/supervisor of non-conformity to the plan; and
- Reporting of incidents.

### 7.5. Site Staff

All site staff are responsible for:

- Ensuring adherence to the plan;
- Conforming with site rules;
- Reporting of maintenance defects; and
- Reporting of incidents.

## 8. Related Documents

DOCUMENT NAME	REFERENCE
Operational Traffic Management Plan (OTMP)	PLANS002
Emergency Response Plan (ERP), including Pollution Incident Response Plan (PIRMP)	PLANS003
Operational Environmental Management Plan	PLANS004
Spill Response	SOP007
Odour Management	SOP065
WPRRF Weekly Inspection Checklist	FORM026.4.47
WPRRF Weekly Odour Monitoring	FORM026.4

## 9. Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial issue	J. Simmons		September 2019
2	Final issue	M. Lewis	J. Barnett	October 2019

### 10. References

- EPA (2005), "Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales". NSW Department of Environment & Conservation. Sydney.
- Pacific Environment (2016), "Wetherill Park Resource Recovery Facility Upgrade – Odour Assessment".
- Consent to Discharge Industrial Trade Wastewater between Sydney Water Corporation and SUEZ Recycling & Recovery Pty Ltd; Consent No 7976 (07//06/2017)
- Environmental Protection Licence 4548; Licence version date 4-Aug-2015



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# Operational Traffic Management Plan

## Wetherill Park Resource Recovery Facility

Document #. PLAN002

Issue date November 2019

Version 4

Plan to specify the designated areas for various traffic flows throughout the facility.



## Table of Contents

1. Introduction	4
1.1 Purpose	4
1.2 Prepared by	4
2. TYPES OF FLOW	5
2.1 Light Vehicle (Domestic) Movements	5
2.2 Commercial Vehicle Movements	5
2.3 Waste Transport Vehicle Movements	5
2.4 Plant Movements	5
2.5 Pedestrian Movements	6
3. TRAFFIC ZONES	7
3.1 Site Entry and Exit	7
3.2 Transfer Station	8
3.3 Public Exclusion Zones	9
3.4 High Risk Traffic Volume Areas	10
3.5 Shared Traffic Areas	11
3.6 Plant Traffic	12
3.7 Uncovering	12
3.8 Pedestrians	13
3.9 Parking	13
3.10 Storage	14
4. TRAFFIC ZONES – Normal Conditions	15
4.1 Light (Domestic) Vehicle Traffic	15
4.2 Commercial Vehicle Traffic	16
4.3 Waste Transfer Vehicle Traffic	17
5. TRAFFIC ZONES – Variations to Normal Conditions	18
5.1 Overloaded/Under Weight Transfer Vehicles	18
5.2 Diesel Fuel Deliveries	19
5.3 “Out” Weighbridge Unserviceable	20
5.4 “In” Weighbridge Unserviceable	21
5.5 Both Weighbridges Unserviceable	22
5.6 Road Safety and Network Efficiency	22
6. EVACUATION ROUTE	23
7. SAFETY INSTRUCTIONS	25
8. TRAFFIC CONTROL SIGNAGE	26
9. RESPONSIBILITIES	27
9.1 Site Manager	27
9.2 Supervisor	27

9.3 Compliance and EQ&S Co-Ordinators	27
9.4 Weighbridge Staff	27
9.5 Traffic Controller (when required)	27
9.6 Site Staff/Heavy vehicle haulage contract drivers	27
9.7 Site Visitors and Contractors	27
10. MAPS – SITE TRAFFIC FLOWS	28
Related Documents	29
Review and Document Control	29
Appendices	30
APPENDIX 1. NHVAS	<b>Error! Bookmark not defined.</b>
APPENDIX 2. PLANS008 Chain of Responsibility Management Plan	30
APPENDIX 3. PBS Routes	31

## 1. Introduction

### 1.1 Purpose

- The purpose of this document is to describe the traffic management for operational activities at the Wetherill Park Resource Recovery Facility (WPRRF). This document outlines the traffic management under normal operating conditions and the altered traffic management during non-standard operations

### 1.2 Prepared by

Condition		Response
(b)	Be prepared by a suitably qualified and experienced expert	<p>This plan has been prepared by the Site Manager and Project Manager:</p> <p><i>Jacque Simmons – Site Manager</i>  <i>Diploma in WHS</i>  <i>Cert IV in Accounting</i>  <i>Years of experience in waste industry: 9</i></p> <p>Reviewed by:</p> <p><i>Kelly Gee – Compliance Manager</i>  <i>Diploma in WHS</i>  <i>Diploma of Business</i>  <i>Cert IV in Environmental Management</i>  <i>Cert IV in Business Administration</i>  <i>Cert IV in Training &amp; Assessment</i>  <i>Cert IV Leadership &amp; Management</i>  <i>Cert IV in Frontline Management</i>  <i>Years of experience in waste industry: 6</i></p> <p><i>Ken Telfer – Compliance Manager</i>  <i>Bachelor in Environmental Science</i>  <i>Environmental Auditor – Exemplar Global</i>  <i>Years of experience in waste industry: 25</i></p> <p><i>Paul Ripka – Compliance Officer EQS</i>  <i>Bachelor of Environmental Science - Sustainability</i>  <i>Cert IV Workplace Health and Safety (OHS)</i>  <i>Number of years in the waste industry: 1 year and 4 months</i></p>

## 2. TYPES OF FLOW

### 2.1 Light Vehicle (Domestic) Movements

Light vehicle traffic (Domestic) includes, but is not limited to:

- General public vehicles (with or without trailers)
- Trade utilities (with or without trailers)
- Vans (with or without trailers)
- Staff vehicles
- Trade vehicles (up to 3 tonnes)
- Commercial (up to 4.5 tonnes)

### 2.2 Commercial Vehicle Movements

Commercial vehicles include, but are not limited to:

- Local Council waste collection vehicles
- Third party waste collection vehicles
- Trade vehicles (in excess of 3 Tonnes)
- Heavy rigid and articulated vehicles (above 4.5 tonnes)
- Commercial (above 4.5 tonnes, excluding b-doubles)

### 2.3 Waste Transport Vehicle Movements

Waste transfer vehicles include:

- Walking floor trailers (tri-axle and quad axle) for transport of wastes to other facilities
- Commercial vehicles (through the removal of recyclables)
- Hook lift vehicles used for transport of hook lift bins
- Roll On Roll Off (RORO) vehicles used for transport of RORO bins
- Liquid tanker
- Containers

### 2.4 Plant Movements

Plant movements include:

- Dozer
- Excavator (2)
- Loaders (1)
- Skidsteer (1)
- Waste Transfer vehicles (5)
- 4 fork lifts
- 1 manitou forklift



## 2.5 Pedestrian Movements

Site personnel:

- Weigh bridge staff
- Machinery/Plant operators
- Approved contractors (e.g. Mechanics, Electricians, plumbers)
- Transport operators
- Supervisory and Management staff
- Administrator staff
- Authorised visitors and customers

Customers

- General public or Non-site personnel
- Commercial

### 3. TRAFFIC ZONES

#### 3.1 Site Entry and Exit

- All Domestic and Commercial traffic entering and exiting the premises are directed through the site weighbridge. The weighbridge staff direct all vehicles entering the site via the weighbridge to the appropriate unloading area according to the waste type and vehicle carrying the load. Waste Transfer Vehicles enter the site and immediately veer left onto the Load-Out Tunnel access road.
- All visitors and contractors are required to sign in and out at Reception or the Weighbridge upon entry and exit.
- All Domestic, Commercial, retrieved waste vehicles and Waste Transfer Vehicles exit the site via the “Out” weighbridge and then proceed onto Davis Road.

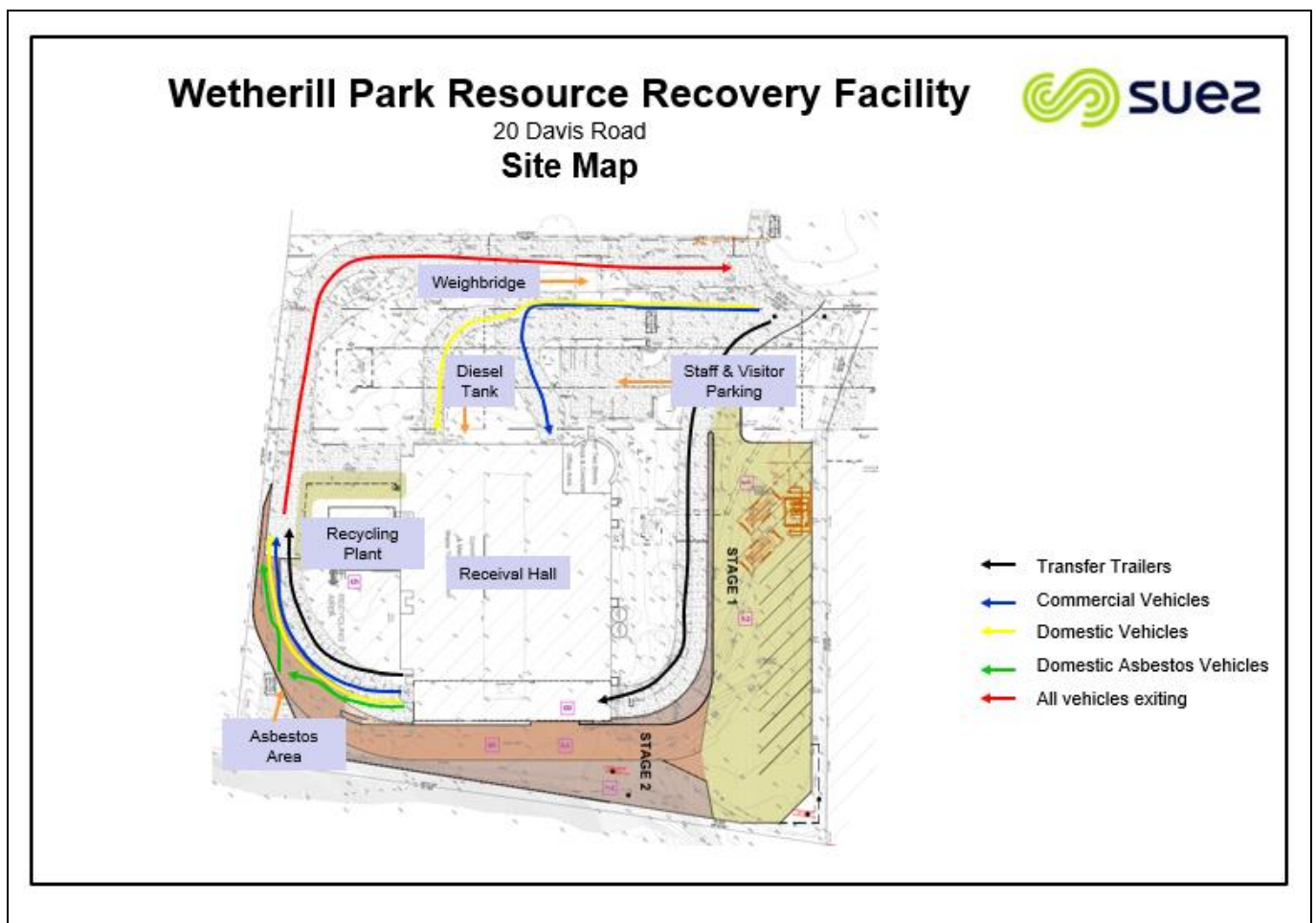


Diagram 1 – Traffic Flow



### 3.2 Transfer Station

- Domestic customers are directed to enter the receive hall via the western doorway (Gate 1) and to tip at the appropriate area (see Diagram 2). Customers are advised of the appropriate area by the Weighbridge Operator.
- All domestic customers are to reverse no less than 2 metres from the surge pit edge and to tip their waste directly onto the floor beside the surge pit
- After unloading customers exit through the south western doorway and proceed to the “Out” weighbridge
- If a Domestic customer has a full load of clean cardboard they are instructed to enter the Receive Hall via the eastern doorway (Gate 2) and to proceed to the south eastern corner to tip off their cardboard, the weighbridge operator will communicate this to the operators within the receive hall via the 2-way
- Domestic Asbestos customers are informed by the weighbridge operator to enter the receive hall via the western doorway (Gate 1) and proceed through the receive hall exiting the south western doorway and to proceed to the left to the asbestos area where they will be met by an Operator who will open the asbestos bin and supervise the unloading of asbestos and reject any loads that are not wrapped correctly or to large. The customer is not to leave the weighbridge until the weighbridge operator has confirmation from an operator within the receive hall that there is someone available to supervise the unload.
- All Commercial loads are directed to enter via the eastern doorway (gate 2) and to tip off on the floor on the western side of the surge pit, loads of putrescible waste are to be tipped off at the front (southern end) of the surge pit (this waste is not to be tipped directly into the surge pit).

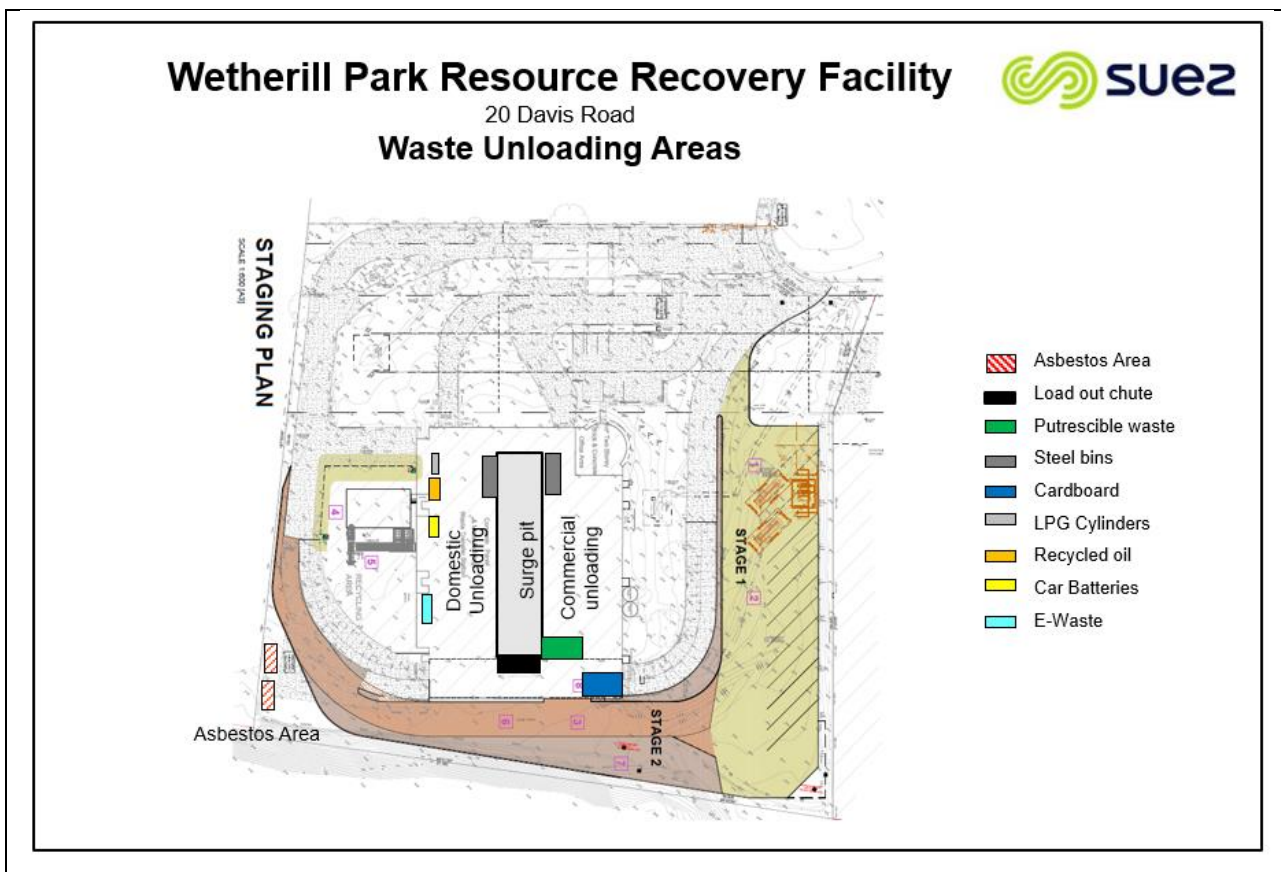


Diagram 2 – Waste unloading areas

### 3.3 Public Exclusion Zones

- Load out access road
- Load out tunnel
- Exiting load out access road
- Workshop
- Recycling Plant
- Domestic customers are not permitted on the edge of the surge pit
- Ring road (stage 1 and stage 2 works)

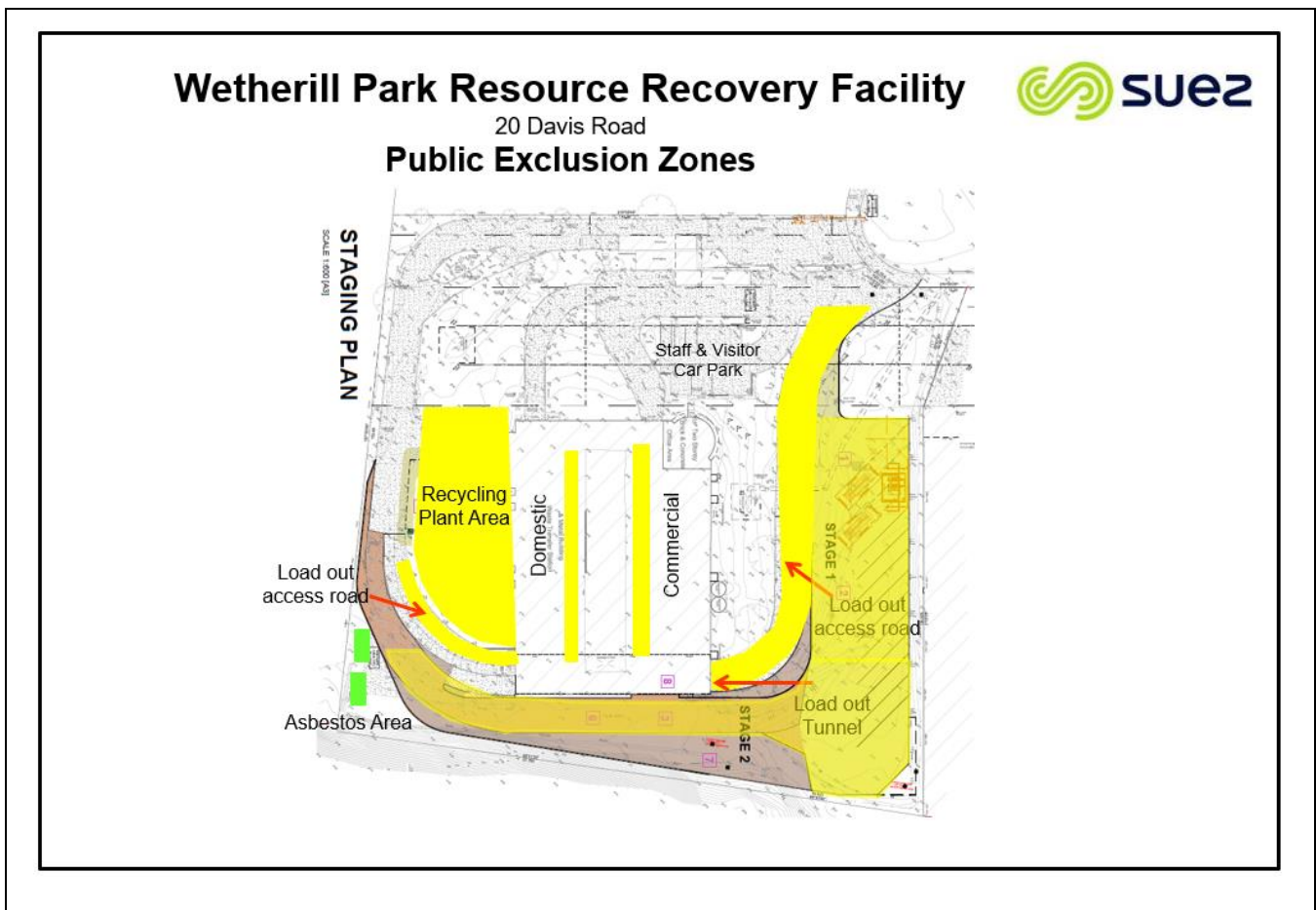
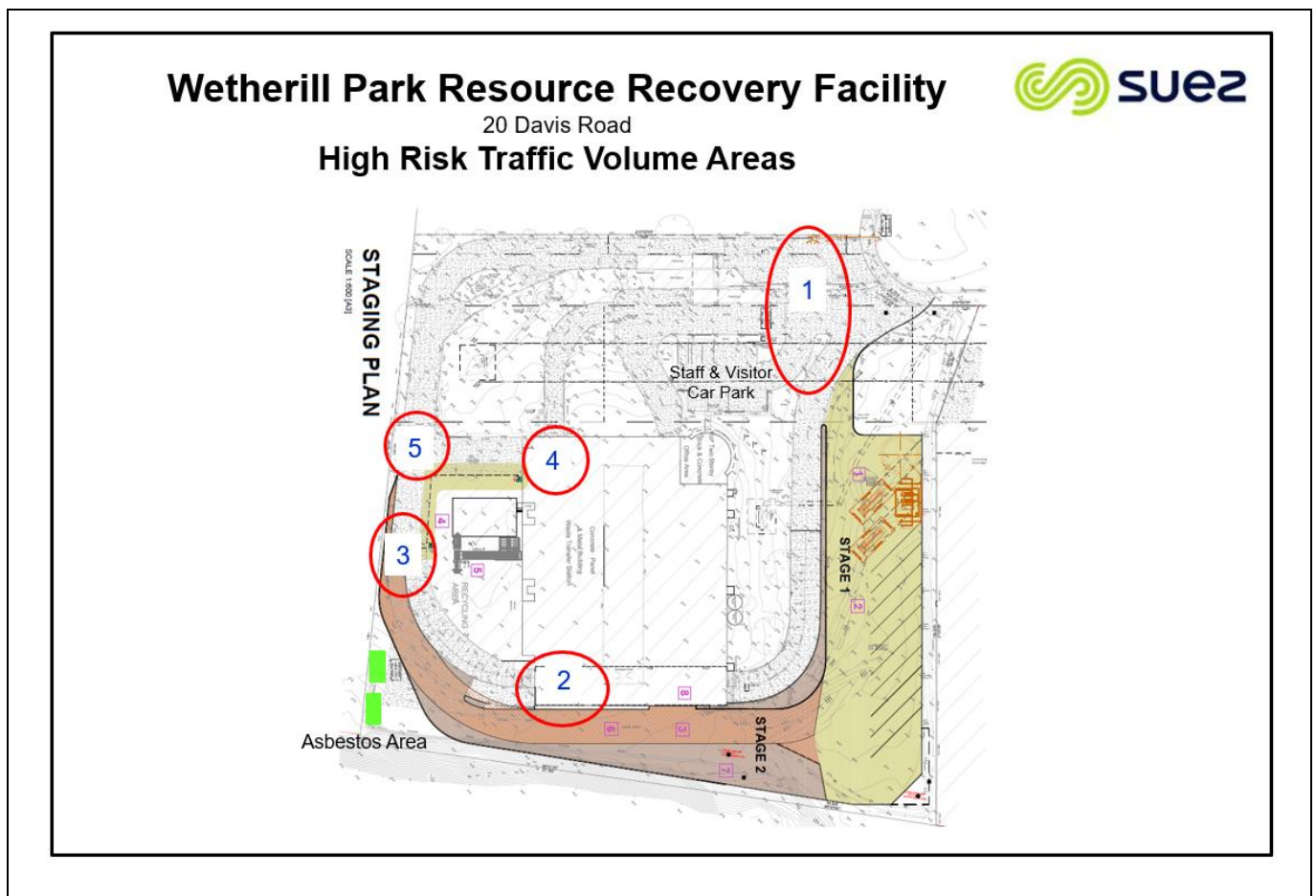


Diagram 3 – Public Exclusion Zones

### 3.4 High Risk Traffic Volume Areas

- 1) Traffic exiting from staff and visitor carpark, crossing traffic flow of vehicles entering and exiting the site
- 2) Domestic and Commercial traffic exiting receival hall
- 3) Domestic, Commercial, Asbestos Customers and Waste Transfer Vehicles merging on the exit road.
- 4) Domestic and Fuel Tanker during refuelling\
- 5) Vehicles exiting recycling plant area and merging with all other traffic exiting site



### 3.5 Shared Traffic Areas

- Receiving Hall Commercial side – Commercial Vehicles and Plant
- Receiving Hall Domestic side – Domestic Vehicles and Plant
- Exit Road – Commercial and Domestic Vehicles with Waste Transfer Vehicles
- Bobcat is used on all roads for cleaning
- Recycling plant area – Commercial vehicles and plant

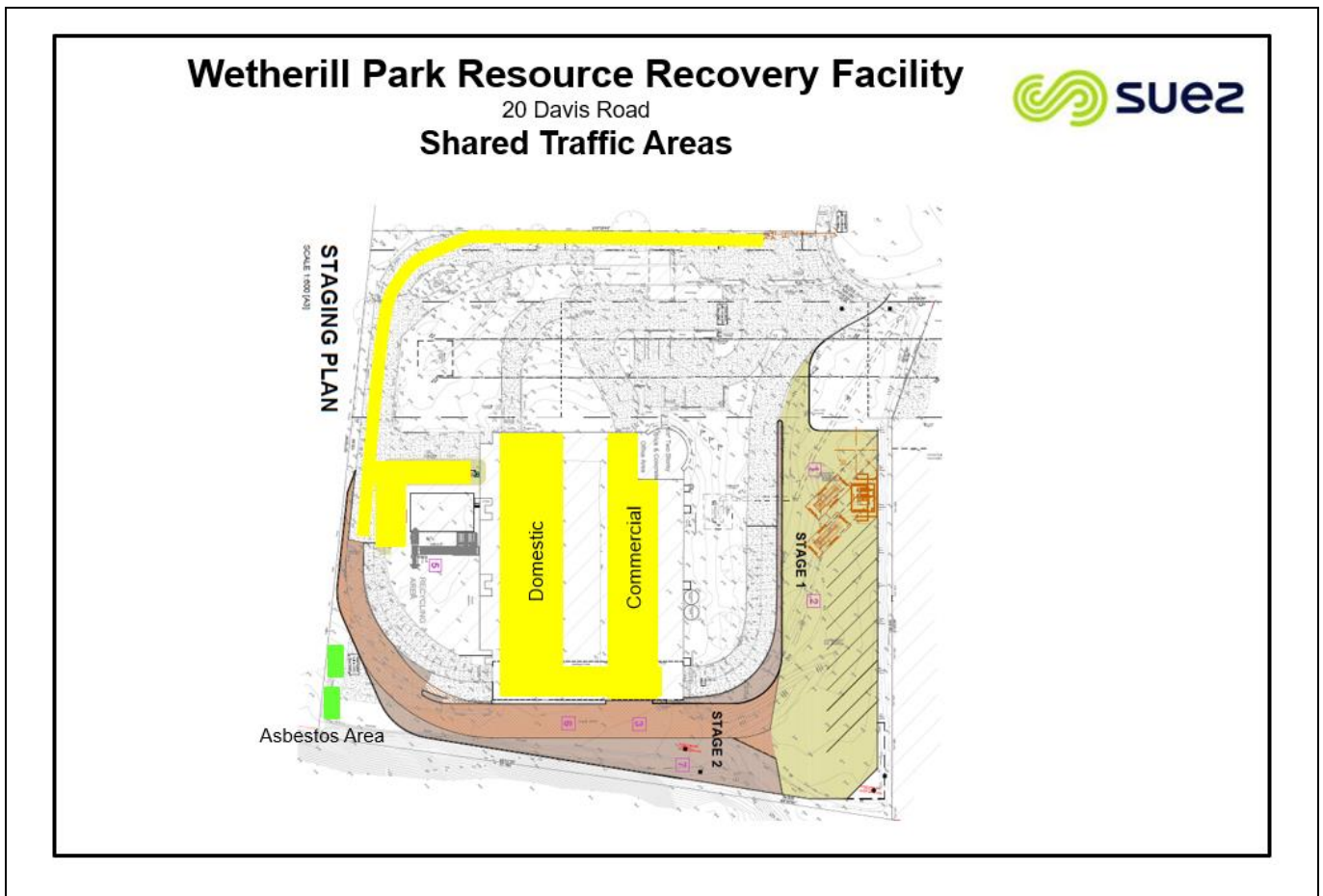


Diagram 5 – Shared Traffic Areas



### 3.6 Plant Traffic

- Plant traffic movement can be conducted on either side of the surge pit, except for the dozer which works within the surge pit
- For the refuelling of plant, they are to be parked up at the northern end of the surge pit near the fuel bower, out of the way of all vehicles entering the station
- Plant has access to the load out tunnel for cleaning purposes.
- All plant has the right of way
- The bobcat accesses all roadways for cleaning
- Recycling plant area.
- Stage 1 and stage 2 areas.

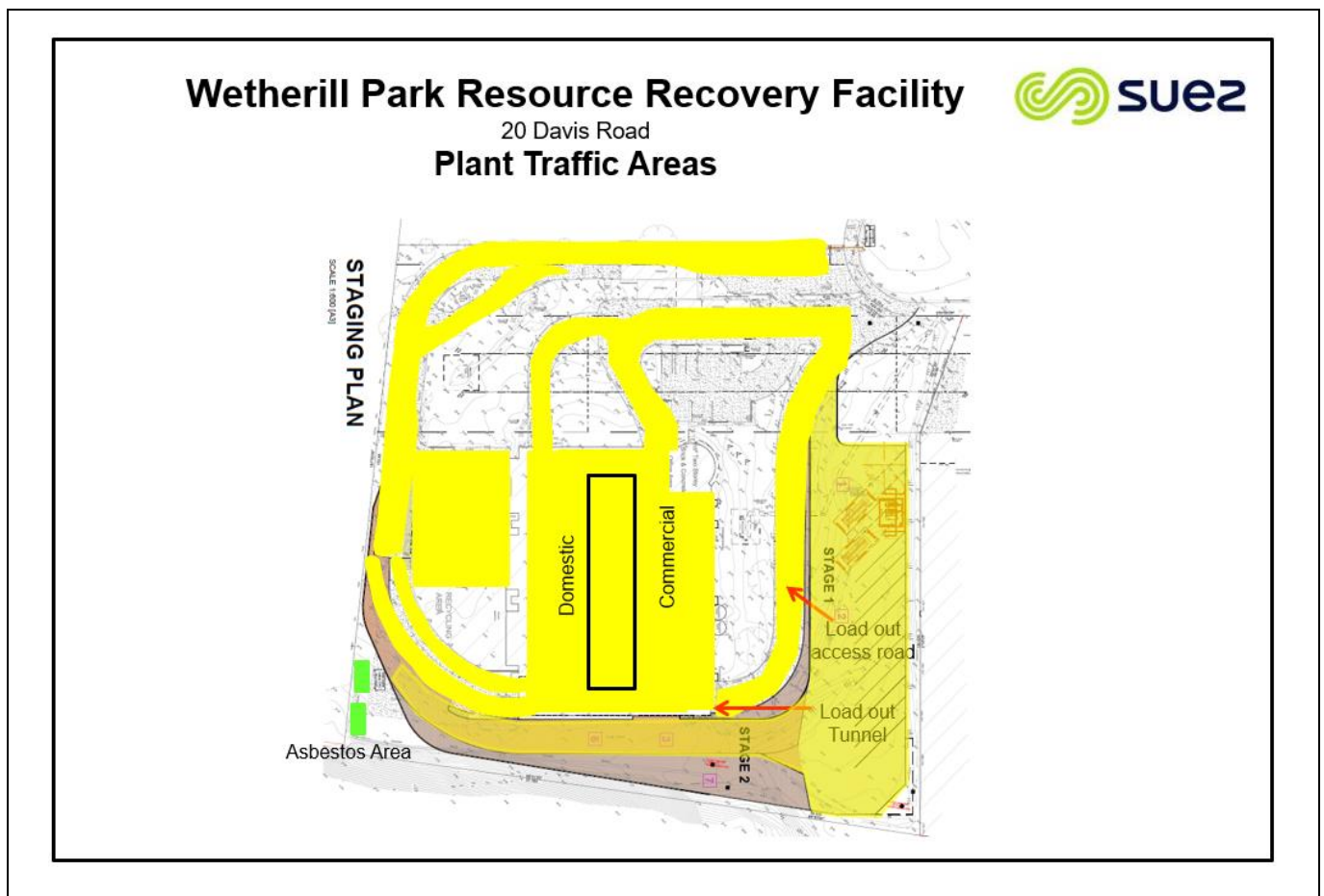


Diagram 6 – Plant Traffic Areas

### 3.7 Uncovering

- Uncovering of vehicles is conducted in the immediate delivery area for the particular waste being delivered. If recovering is required, this is completed in the same area prior to moving the vehicle.

### 3.8 Pedestrians

- Pedestrians on the sites are required to wear hi-visibility clothing at all times, with the exception of general public customers who are unloading in the Receiving Hall
- General public are not permitted to walk around any other part of the facility
- Pedestrians are required to adhere to all traffic signs displayed, follow site safety rules whilst moving around the facility and obey all instructions given by SUEZ Staff

### 3.9 Parking

- All SUEZ staff and visitors generally driving domestic vehicles or small delivery vans enter the site and take the second left into the carpark. These vehicles exit the carpark, cross the incoming traffic lanes and turn right to exit the site. Caution must be taken when crossing traffic lanes and joining the other vehicles exiting the site.
- All vehicles are to reverse into the parking spaces provided.
- All visitors are to sign in at the Weighbridge or Reception.
- All visitors are to sign out before leaving the site
- Transfer trailers are to be parked up in stage 1 area.

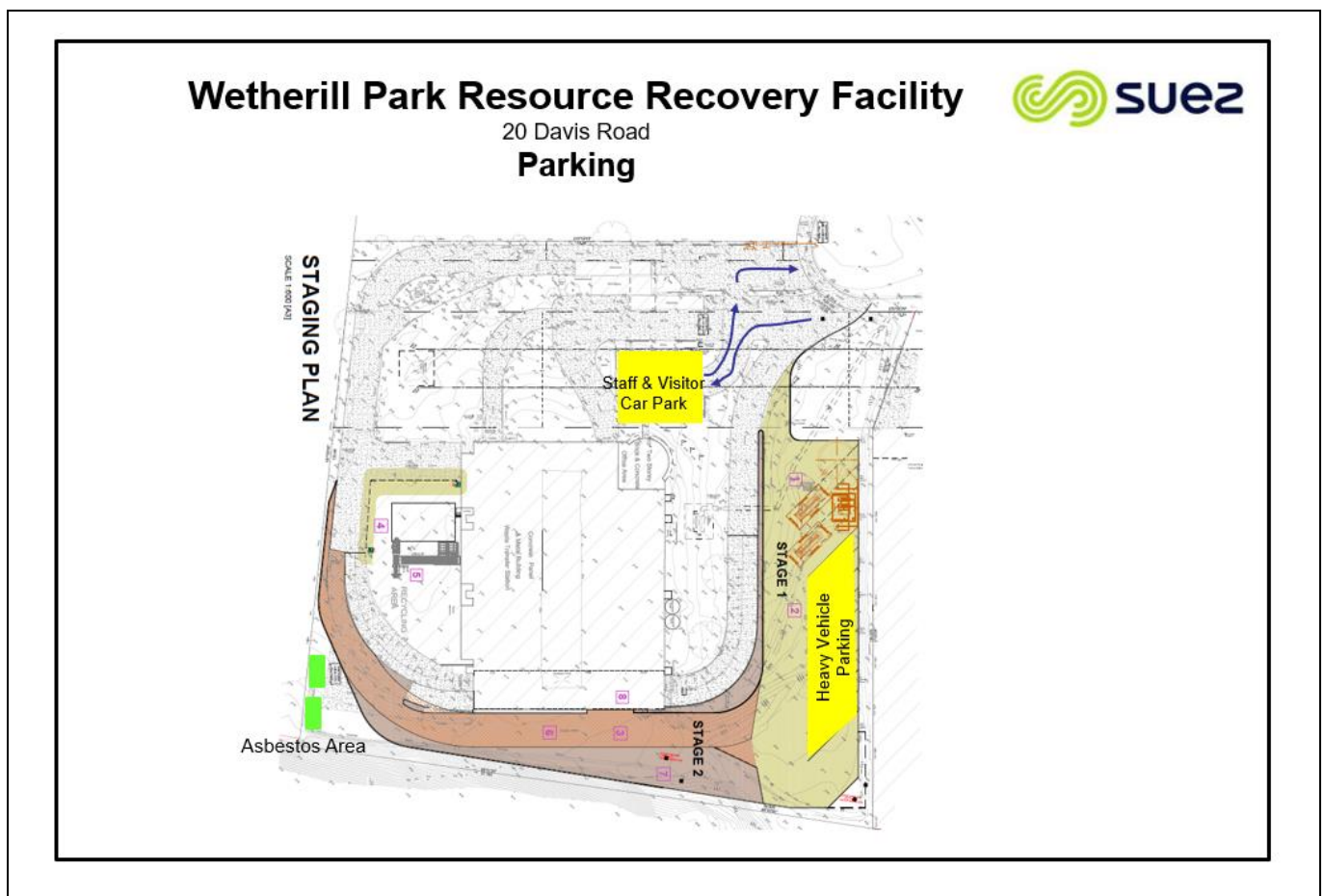


Diagram 7 – Parking

### 3.10 Storage

- There is a 2500 Litre dual skin diesel tank which is self-bunded. This tank is located outside the western door (Gate 1) to the receival hall
- Hydraulic oil is stored inside the facility on bunded pallets and in a bunded area.
- Waste oil is collected and contained in a steal tank, which is self-bunded.
- 4 forklift gas cylinders are stored in cage in recycling plant area.



## 4. TRAFFIC ZONES – Normal Conditions

### 4.1 Light (Domestic) Vehicle Traffic

- Light (domestic) vehicles that contain general waste enter the site, and then cross the “In” weighbridge where they are directed to continue straight ahead and then enter the Receiving Hall through the western door (Gate 1). Customers are directed to the appropriate area for waste delivery by the Weighbridge Staff and Operators within the Receiving Hall (see diagram 2).
- After unloading their waste customers continue along the western side of the surge pit and join the traffic exiting the Receiving Hall through the southwest exit door, they will then merge with the transfer vehicles that are exiting the load out tunnel and vehicles on the exit road. They then cross the “Out” weighbridge and exit the site.
- Asbestos loads are to be directed by the Weighbridge Staff to the Asbestos drop off area, they are to travel through the Receiving Hall and exit through the southwest corner, they then tip off at the asbestos area where they are supervised by SUEZ staff.
- If a Domestic customer has a full load of clean cardboard they are instructed to enter the Receiving Hall via the eastern doorway (Gate 2) and to proceed to the south eastern corner to tip off their cardboard, the weighbridge operator will communicate this to the operators within the receiving hall via the 2-way

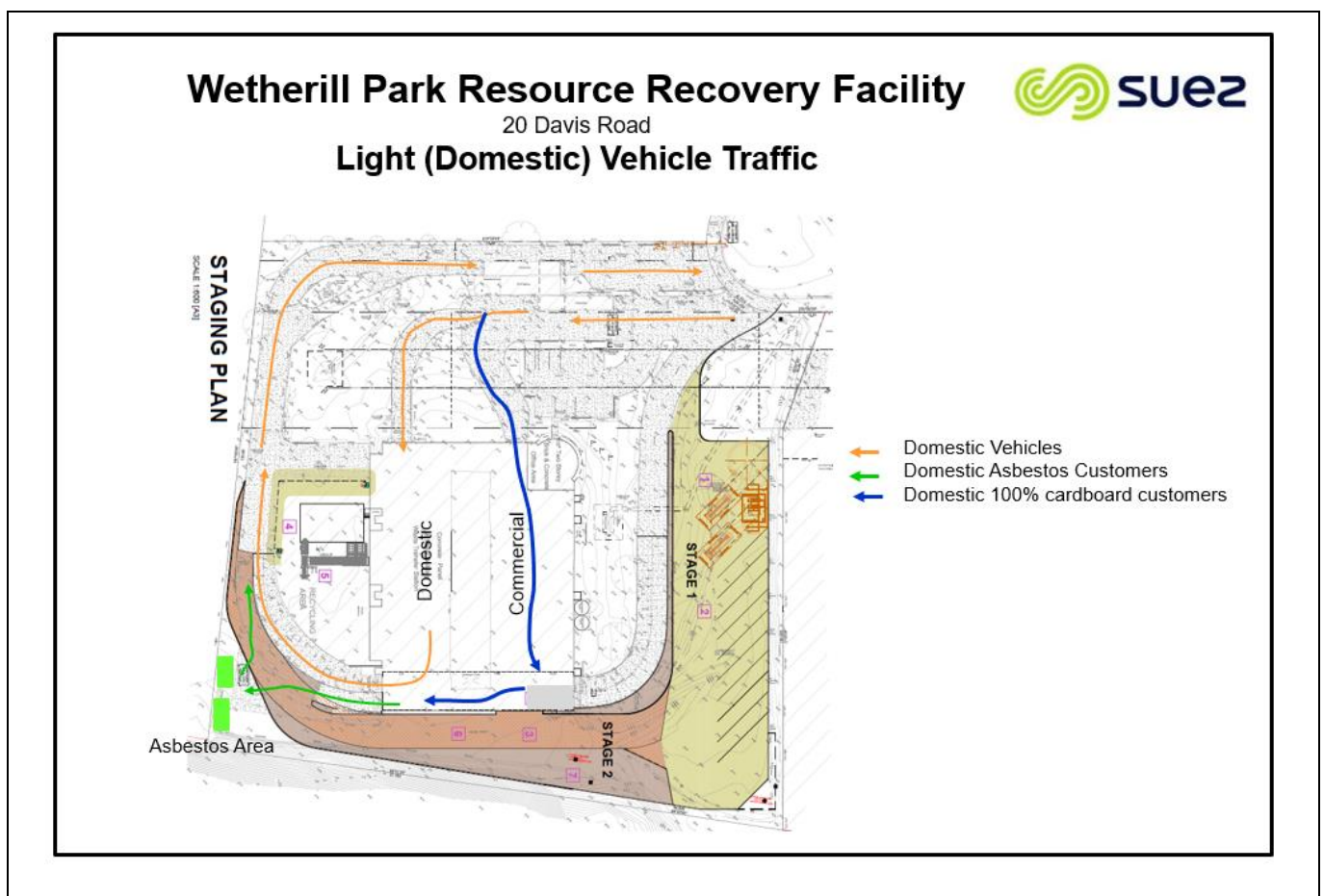


Diagram 8 – Light (Domestic) Vehicle Traffic

#### 4.2 Commercial Vehicle Traffic

- Commercial vehicles enter the site and then cross the “In” weighbridge where they are directed to turn left and enter the Receiving Hall through the eastern door (Gate 2).
- After unloading they continue along the eastern side of the surge pit and pass behind the load out chute and join the domestic traffic exiting the Receiving Hall through the southwest exit door, they then merge with the Waste Transfer Vehicles that are exiting the load out tunnel and vehicles on the exit road.
- Commercial vehicles with a full clean load of cardboard are directed to enter the site through the eastern door (gate 2), travel through the Receiving Hall and exit through the southwest corner, proceeding to the Recycling Plant area where they tip off. They then merge with all traffic exiting the site on the western exit roadway.
- They then cross the “Out” weighbridge and exit the site

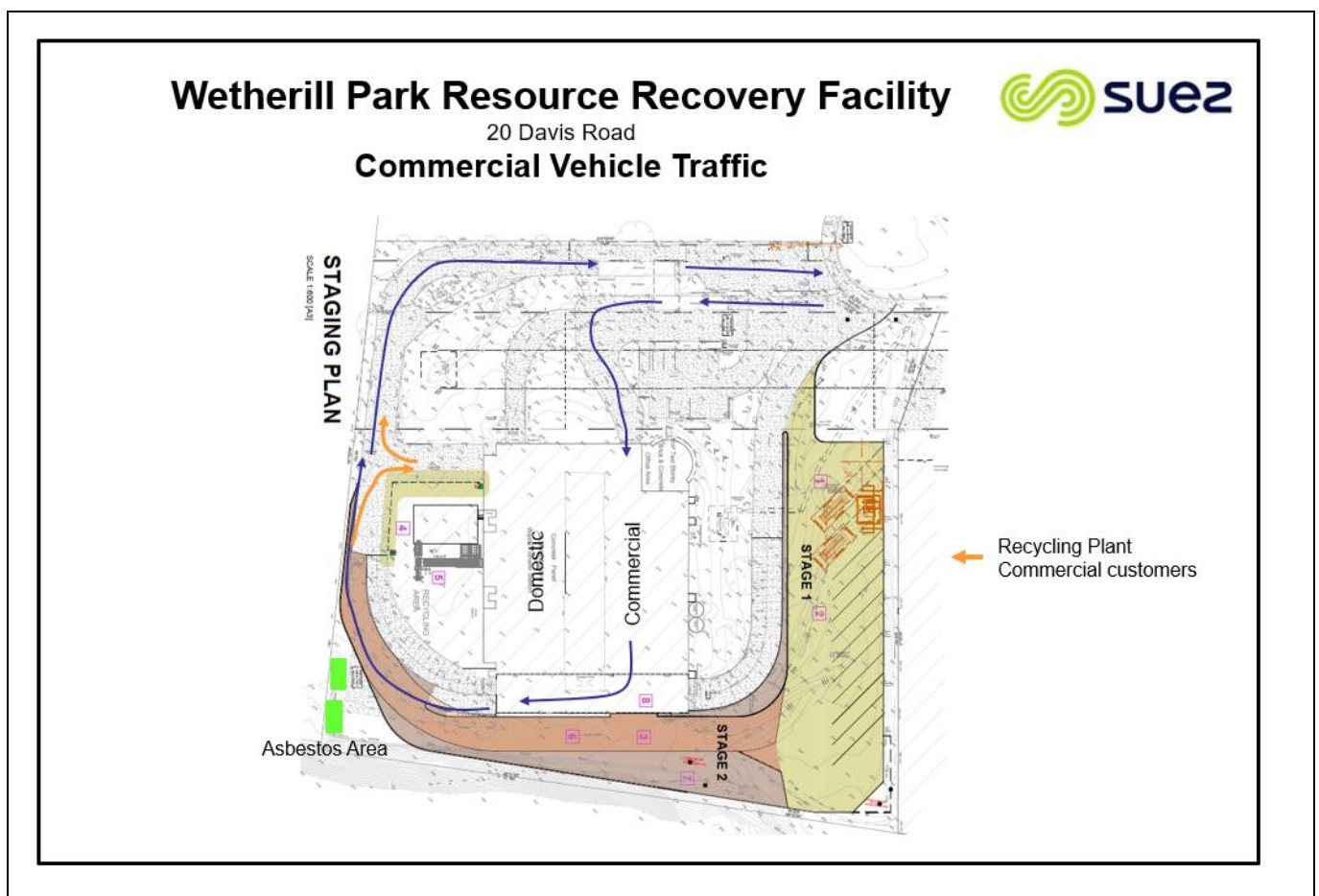


Diagram 9 – Commercial Vehicle Traffic

#### 4.3 Waste Transfer Vehicle Traffic

- Waste Transfer Vehicles driven by SUEZ's Waste Haulage Contractor enter the site and immediately veer left to the load out tunnel access road.
- These vehicles travel down the access ramp (only after being given the all clear over the 2 way), they are then loaded in the tunnel and then exit out the tunnel via the exit ramp.
- They will then merge with the traffic stream exiting from within the Receiving Hall as they leave the ramp, they will clean off at the gantry then cross the "Out" weighbridge and exit the site
- Loaded trailers leaving site are to be loaded as per PLANS008 Chain of Responsibility Management Plan

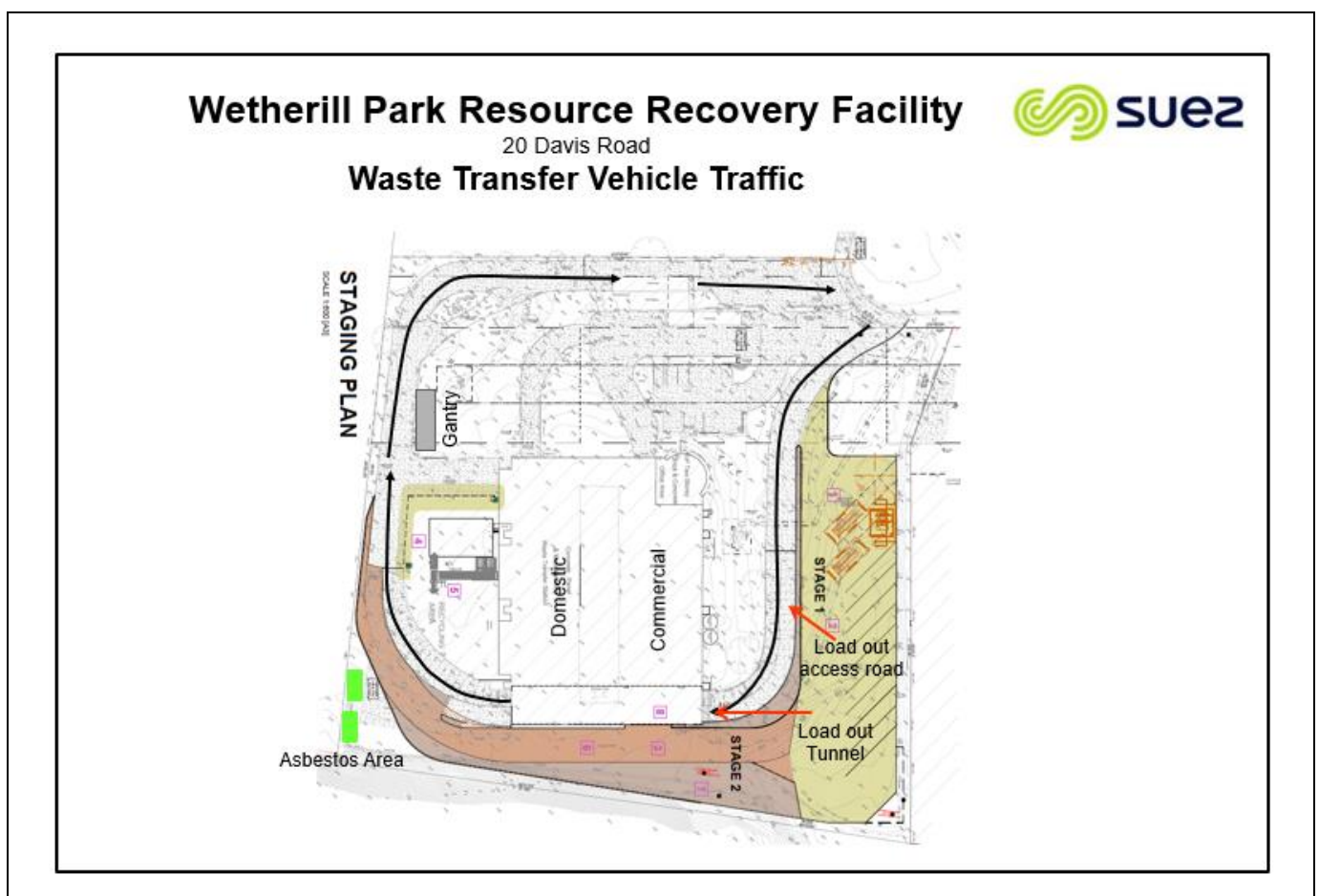


Diagram 10 – Waste Transfer Vehicle Traffic

## 5. TRAFFIC ZONES – Variations to Normal Conditions

- Variations to normal traffic movement have been identified, associated with over/under weight Waste Transfer Vehicles, diesel fuel deliveries or unserviceable weighbridges
- In the event that the “In” and “Out” weighbridges are both are unserviceable Customer Service is to be contact (1300 651 116) and site closed

### 5.1 Overloaded/Under Weight Transfer Vehicles

- Waste Transfer Vehicles that are observed to over/under weight exit the site, turn around in the Davis Road Cul-de-sac. They then re-enter the site and veer left onto the load out tunnel access road and travel down the ramp (only after being given the all clear over the 2-way).
- The excess waste is removed or additional waste is loaded into the transfer vehicles they then exit the tunnel via the tunnel exit ramp.
- They will then merge with the traffic stream exiting from within the Receiving Hall as they leave the ramp, they will clean off at the gantry again then cross the “Out” weighbridge and exit the site
- Loaded trailers leaving site are to be loaded as per PLANS008 Chain of Responsibility Management Plan





## 5.2 Diesel Fuel Deliveries

- The fuel tanker will enter the site via the “In” weighbridge where they will sign in and are entered into Mandalay as a “Service Vehicle”.
- The fuel tanker will enter the Receiving Hall via the western door (Gate 1) and immediately turn to the left and park up. They will then refuel the tank.
- If the tanker is unable to park up just inside Gate 1, they are to park up on the domestic access road into the Receiving Hall next to the fuel tank, traffic is temporarily stopped until the fuel tanker has completed refuelling the tank.
- Upon completion of refuelling the tank they are to follow the flow of traffic and exit the Receiving Hall via the exit door in the south western corner. They will then proceed to the “Out” Weighbridge.
- The fuel tanker driver is to sign out, their Mandalay ticket is to be closed out and they are to leave the refuelling docket with the Weighbridge Operator and proceed to exit the site.

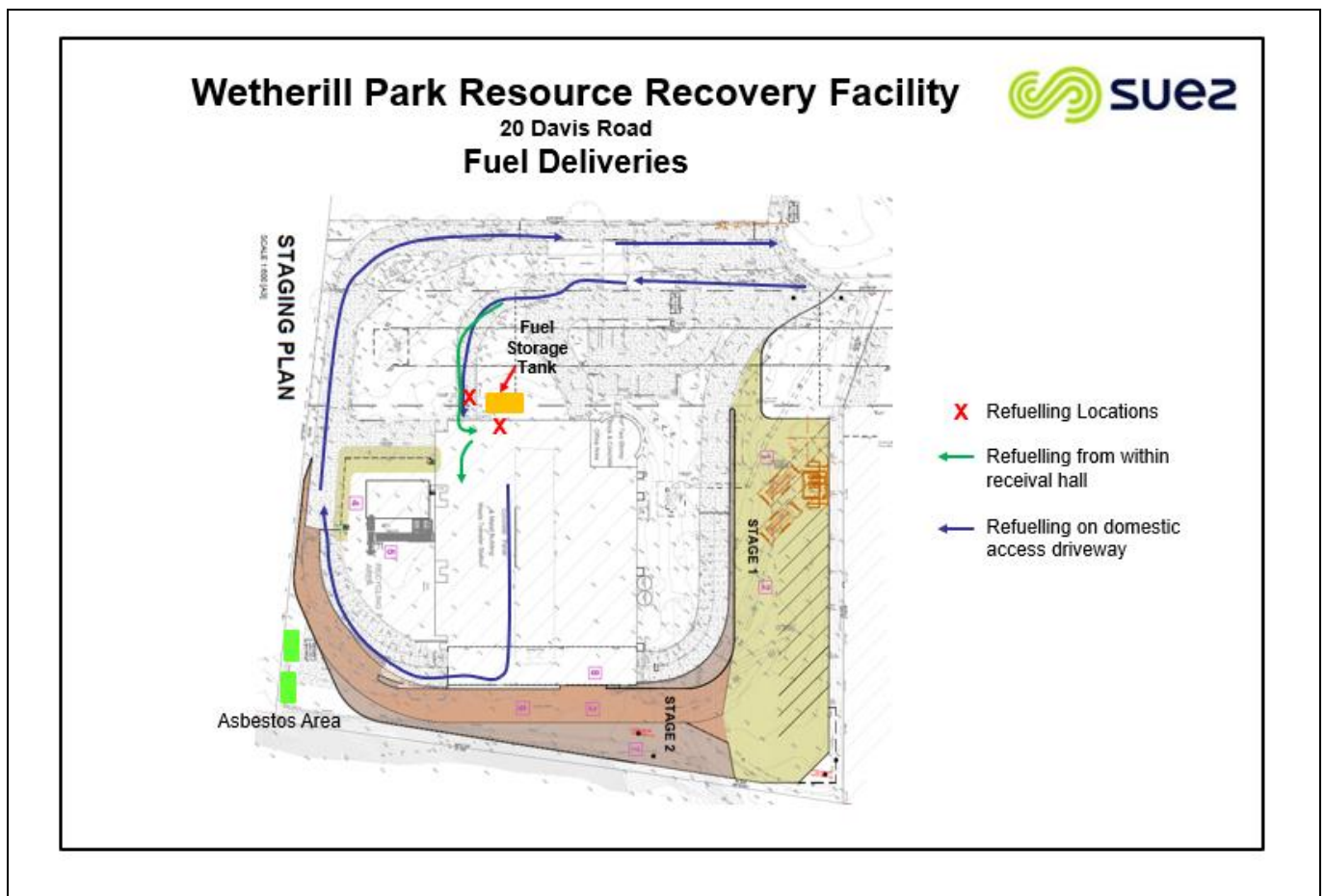


Diagram 12 – Fuel Deliveries

### 5.3 “Out” Weighbridge Unserviceable

- All Commercial and Domestic vehicles enter the site via the entry gate. They stop before the weighbridges and await the all clear from the traffic controller (No. 1) located at the entry of the weighbridges, they then proceed to the “In” Weighbridge. All vehicles are to turn to the left and enter the Receival Hall through the eastern door (Gate 2). They pass through the Receival Hall on the eastern side of the surge pit, pass behind the load out chute and turn right up the western side of the surge pit and exit via the western doorway (Gate 1).
- Domestic vehicles are to tip their waste on the western side of the surge pit, and the Commercial vehicles are to tip their waste on the eastern side of the surge pit.
- When exiting all vehicles are to stop prior to the “In” Weighbridge at traffic controller (No. 2) located at the western end of the weighbridge, upon the all clear they are then to proceed to the “In” Weighbridge to be weighed, receive their ticket and then exit the site.
- Waste Transfer Vehicles are to park up in the “out” bypass lane or the heavy vehicle truck parking on the hardstand until the “out” bridge is in operation, they are unable to reverse up onto the “in” bridge.
- Asbestos and Recycling Plant vehicles customers enter receival hall door (gate 2) proceed through the receival hall exiting through southwest doorway under control of traffic controller (no. 3). Proceed to the asbestos area for unloading with supervision of SUEZ staff. They then re-enter the receival hall via the exit doorway and turn left under guidance of traffic controller (no.3), join traffic flow exiting via gate 1.
- Traffic controllers are equipped with 2-ways, they are located at the Davis Road entry (No. 1), at the western end of the “In” Weighbridge (no. 2) to avoid conflict with the vehicles entering and exiting the site and exit doorway (no. 3).
- Traffic Controllers are to stay in 2-way communication with the Weighbridge Operators and other Operators within the Receival Hall.

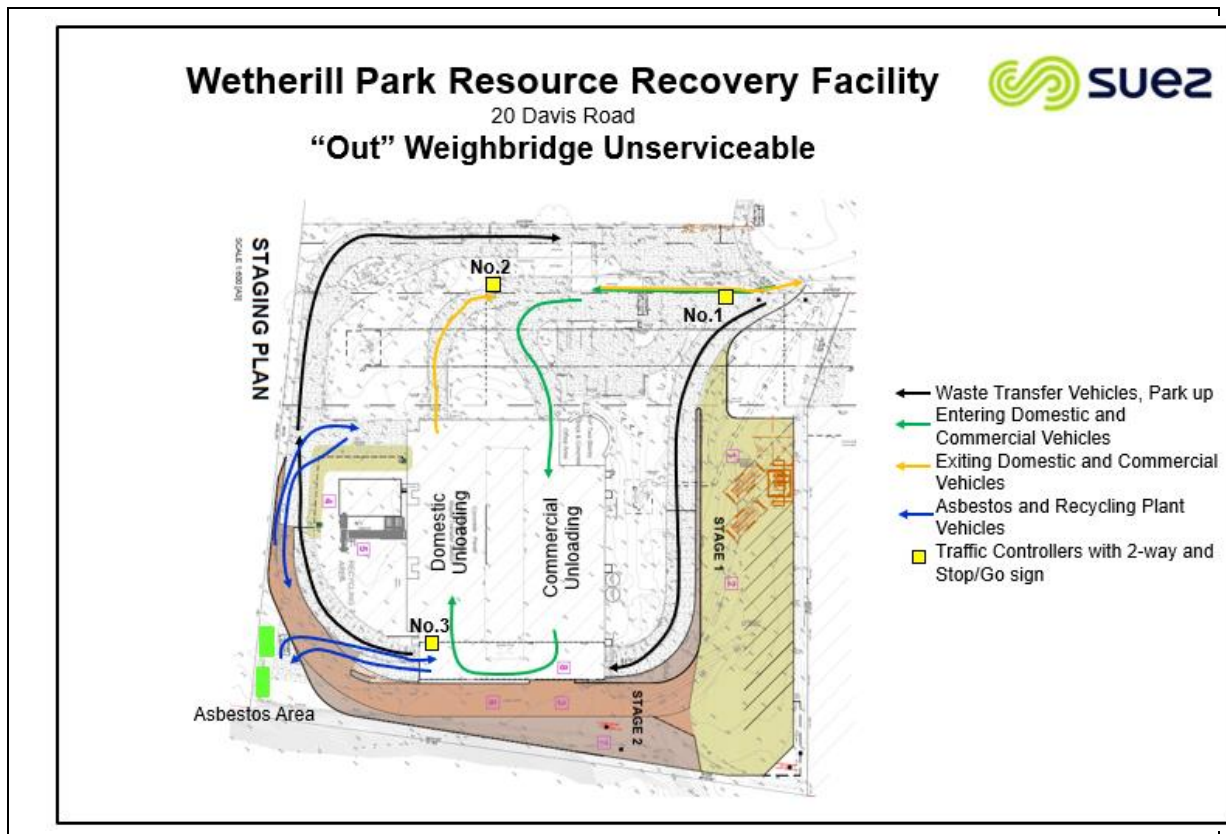


Diagram 13 – “Out” Weighbridge Unserviceable

#### 5.4 “In” Weighbridge Unserviceable

- All Commercial and Domestic vehicles are to enter the site through the exit gate, stop at the traffic controller (No. 1) and await the all clear to proceed to the “Out” Weighbridge, they then follow the road to enter the Receiving Hall via the south-western exit doorway, where they await the all clear from the traffic controller (No. 3) prior to entering the Receiving Hall.
- Domestic vehicles turn left immediately upon entering the receiving hall to access the western side of the surge pit tipping area
- Commercial vehicles upon entering the receiving hall pass behind the load out chute and turn immediately left to the eastern side of the surge pit tipping area.
- After unloading both Commercial and Domestic vehicles await the all clear from the traffic controller (No. 3) and exit through the southwest next door, merging with the transfer vehicles exiting from the load out tunnel. They then proceed past traffic controller (No. 2) and stop at the “Out” weighbridge for payment and then exit the site.
- There is no change to normal traffic conditions for the Waste Transfer Vehicles, they must follow instructions given over the 2-way. Traffic Controllers are equipped with 2-ways they are located at the Davis Road entry/exit (No. 1), the north western corner (No. 2), and the southwest entrance/exit doorway (No. 3) to avoid conflict with vehicles entering, moving around and exiting the site.
- Traffic Controllers are to stay in 2-way communication with the Weighbridge Operators and other Operators within the Receiving Hall.

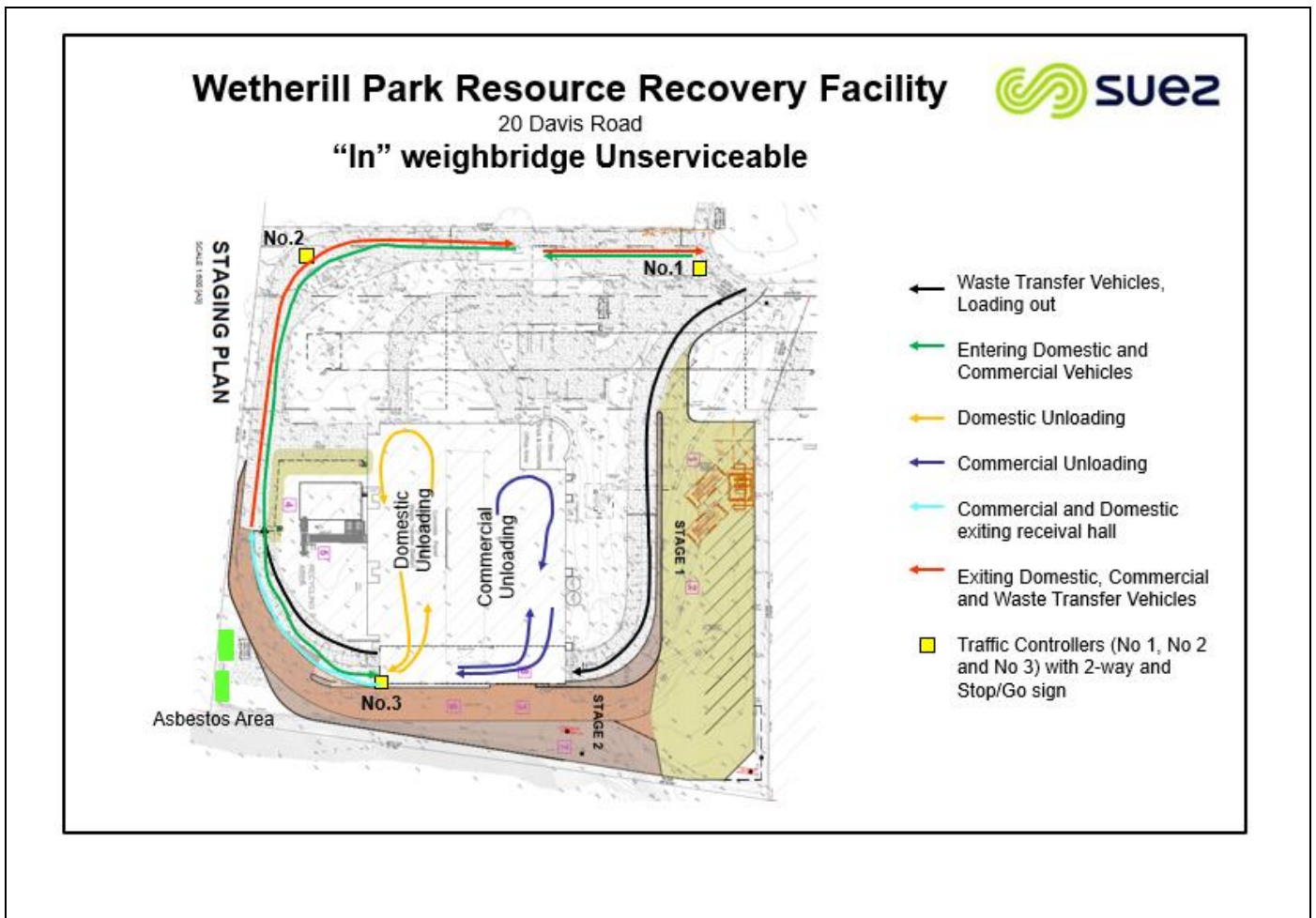


Diagram 14 – “In” Weighbridge Unserviceable

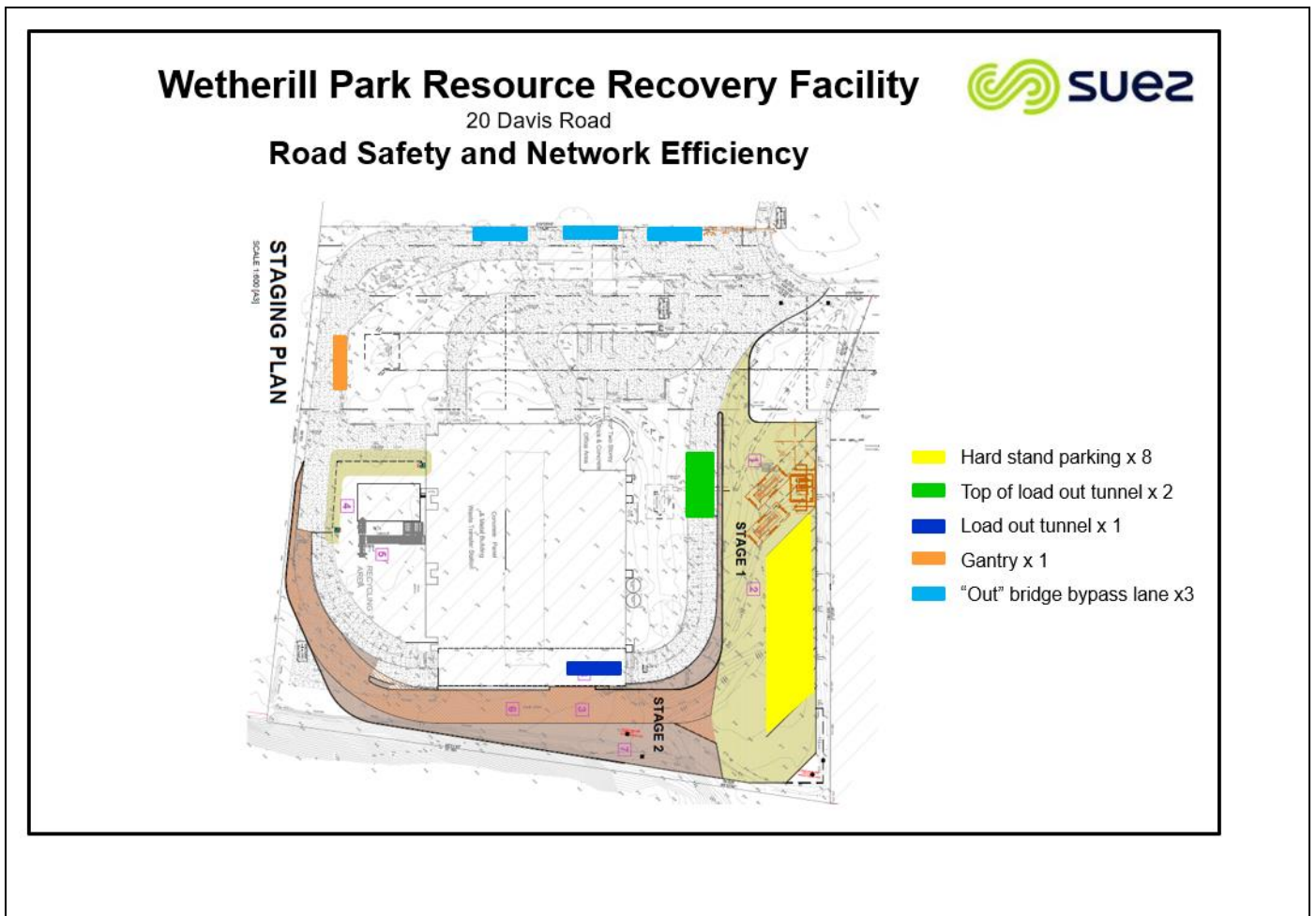


### 5.5 Both Weighbridges Unserviceable

- In the event that both weighbridges are unserviceable the site is to be closed until one or both of the weighbridges are serviceable. Customer Service is to be notified when the site is closed and then again when re-opens.
- Customer Service 1300 651 116

### 5.6 Road Safety and Network Efficiency

- Trucks are to be parked up in the marked bays of *Diagram 15* (see below)
- If the site sees the need to park in excess of 15 trucks on site the Business Continuity Plan is to be activated, waste is to be redirected to Seven Hills and Auburn Transfer Stations



*Diagram 15 – Road Safety and Network Efficiency*

## 6. EVACUATION ROUTE

- In the event that an evacuation is required to evacuation alarm will sound
- The front entry gate is to be closed
- All Operators are to assist customers with evacuating the site
- Ensure that any children in vehicles are removed and evacuated with the adult that they came in with.
- All vehicles are to be checked that no one is left behind
- Receival Hall fire exit locations (See *Diagram 16A*)
  - 1. Northern Domestic entry doorway (Gate 1)
  - 2. Northern Commercial entry doorway (Gate 2)
  - 3. North eastern wall
  - 4. South eastern wall
  - 5. South western corner if unable to exit via South eastern wall
- Customers in the Receival Hall are to exit via the fire exits and then proceed to the Emergency Assembly Point (See *Diagram 16B*)
- Any Waste Transfer Driver in the load out tunnel is to exit via the eastern entry, unless blocked and then they are to exit via the western exit and follow the exit access road around to the Emergency Assembly Area (see *Diagram 16B*).
- The sign in register is to be reviewed at the Emergency Assembly Area to mark off all visitors.
- The Weighbridge Operator is to check Mandalay for the amount of vehicles remaining in the Receival Hall
- The Weighbridge Operator is to exit out of the weighbridge and proceed along the “In” weighbridge to the Emergency Assembly Point (see *Diagram 16B*)
- All staff/visitors in the Administration building are to leave via the front reception door and to lock the back door preventing entry into the building. If the front reception door is blocked, then the rear door is to be used and to exit via the fire exit on the north eastern wall (see *Diagram 16B*).
- Any Operators in the Recycling Plant are to follow the exit access road around to the Emergency Assembly Area (see *Diagram 16B*)
- Customer Service is to be contacted on 1300 651 116

**Wetherill Park Resource Recovery Facility**  
20 Davis Road  
**Evacuation Route Inside Receiving Hall**

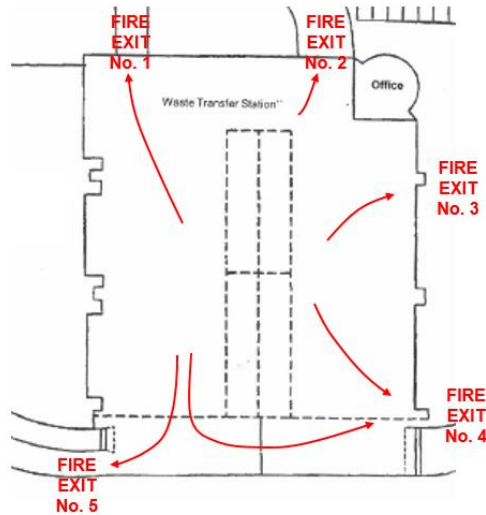


Diagram 16A – Evacuation from within Receiving Hall

**Wetherill Park Resource Recovery Facility**  
20 Davis Road  
**Evacuation Route to Emergency Assembly Point**

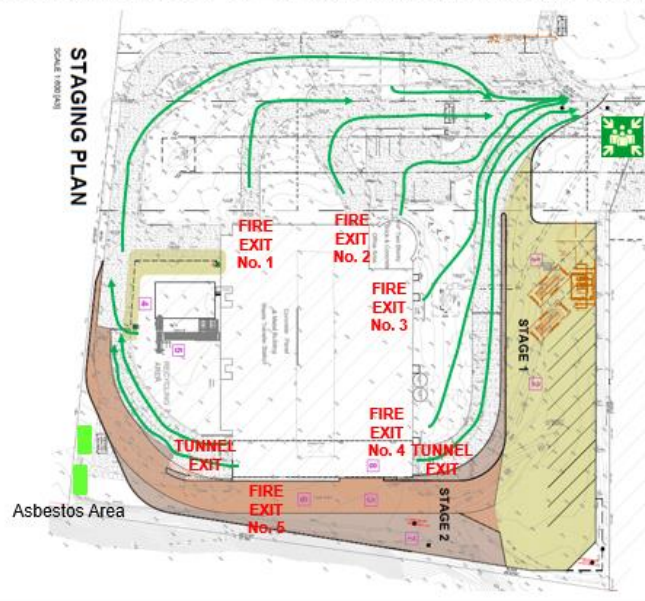


Diagram 16B – Evacuation route to Emergency Assembly Area

## 7. SAFETY INSTRUCTIONS

- The site normally has two weighbridges in operation (a southern/inbound and a northern/outbound) which are used together to support the separation of traffic within the station.
- The site speed limit is 10km/hour
- Under normal operations the site allows for one-way traffic
- All traffic is to stop at the “Stop” sign on entry to the “In” weighbridge
- All traffic is to stop at the “Stop” sign at the site exit out onto Davis Road.
- Children must remain in vehicles at all times (except under evacuation procedures)
- Pets are not allowed outside of vehicles (except under evacuation procedures)
- Safety footwear and hi-visibility vest or clothing must be worn by all site staff, contractors and visitors being guided around the site
- A Permit to Work (FORM035) is required for all high risk tasks performed on site.
- All staff and visitors are to reverse park into the provided parking spaces
- Scavenging is not permitted
- Smoking is only allowed in the designated area
- Use of mobile phones is not permitted on site while operating a fixed/mobile plant, vehicles or whilst walking around site.
- Photos are not permitted without prior approval from the Site Manager.
- Hard hat is to be worn when walking in Tunnel

## 8. TRAFFIC CONTROL SIGNAGE

Wetherill Park Resource Recovery Facility is open to both Commercial companies and to the general public for waste disposal. Traffic control signs are located at the entrance, throughout the site and at the exit to control all traffic. The following lists general and specific comments on the traffic control signage

- All drivers are to follow instructions from site staff.
- All drivers are to drive in a safe manner whilst on site and on the local approach road: Davis Road
- Where traffic control signage is covered by Australian Standards, these are used within the receival hall and around the site.
- At divide into the receival hall are “Gate 1” and “Gate 2” signs with directional arrows
- At the eastern (Gate 2) and western (Gate 1) entry doorways are the following signs:
  - “Tipping vehicles – unloading of waste”
  - “Stop”
  - “No smoking”
  - “Children to remain in vehicles”
  - 10 km/hour speed
  - “CCTV Surveillance”
- Entry to the “In” and “Out” weighbridges are controlled by a Stop Proceed with caution sign
- Speed on site is controlled within the receival hall and around the site by “10” km/hour speed limit signs
- A “no entry” sign is at the eastern end of the “Out” weighbridge
- A “stop sign controls traffic leaving from the truck wash area
- Exit from the eastern (Gate 2) and western (Gate 1) station entry doors are controlled by “Stop” and “No Exit” signs inside the station.
- Traffic flow within the receival hall is controlled by directional arrows and “Exit” signs located on the receival southern and western walls.
- Domestic vehicles leaving the asbestos area are controlled by a “Give way” sign
- Exit from the site is controlled by a “Stop” sign
- Potential conflict between Waste Transfer Vehicles exiting the load out exit ramp and Commercial/Domestic vehicles exiting from the receival hall is controlled by a “Give Way” sign facing the Commercial /Domestic vehicles.
- On the exit road from within the receival hall is a “One way” sign
- “Slippery when wet” sign in the south eastern corner of the receival hall assists in controlling the speed of traffic within the receival hall to the environmental conditions of the surface.
- When leaving the carpark there is a “No entry” sign to the entry gate and a “Give way” sign of traffic exiting the “Out” weighbridge
- Entry onto the tunnel load out access road is a “Restricted are – Do not enter” and “Loading tunnel under 24-hour video surveillance” signage.
- The use of speed humps throughout the site assist with controlling the speed of traffic on site
- Talking on mobile phones within the receival hall is not permitted
- In some emergency situations (e.g. fire/ flooding/ bomb threat) the entrance gate to the site is closed and the traffic on site is evacuated.
- In other circumstances (e.g. failure of “In” or “Out” weighbridge) traffic conflict on site is controlled by traffic controllers with 2-ways and stop/go signs

## 9. RESPONSIBILITIES

### 9.1 Site Manager

- Implementation of this plan
- Conforming to site rules.
- Training of staff in the plan.
- Communication of the plan.
- Reporting of incidents, hazards and accidents
- Ensuring corrective actions are taken.

### 9.2 Supervisor

- Implementation of this plan
- Conforming with site rules
- Training of staff in the plan
- Communication of the plan
- Reporting of incidents, hazards and accidents
- Ensuring corrective actions are taken

### 9.3 Compliance and EQ&S Co-Ordinators

- Ensuring adherence to this plan
- Conforming with site rules
- Training of staff in the plan
- Communication of the plan
- Reporting of incidents, hazards and accidents
- Implementing corrective actions

### 9.4 Weighbridge Staff

- Communicating to customers the correct unloading area
- Informing site manager/supervisor of non-conformity to the plan
- Reporting of incidents, hazards and accidents
- Can refuse customer entry to site after consulting manager/supervisor

### 9.5 Traffic Controller (when required)

- Ensuring adherence to this plan
- Conforming with site rules
- Reporting of incidents, hazards and accidents
- Implementing corrective actions

### 9.6 Site Staff/Heavy vehicle haulage contract drivers

- Ensuring adherence to this plan
- Conforming with site rules
- Reporting of incidents, hazards and accidents

### 9.7 Site Visitors and Contractors

- Ensuring their adherence to this plan, as advised at Induction
- Conforming with site rules
- Reporting of incidents, hazards and accidents

## 10. MAPS – SITE TRAFFIC FLOWS

Diagrams:

1. Traffic Flow
2. Waste Unloading Areas
3. Public Exclusion Zones
4. High Risk Traffic Volume Areas
5. Shared Traffic Areas
6. Plant Traffic Areas
7. Parking
8. Light (Domestic) Vehicle Traffic
9. Commercial Vehicle Traffic
10. Waste Transfer Vehicle Traffic
11. Over/Under Weight Transfer Vehicles
12. Fuel Deliveries
13. “Out” Weighbridge Unserviceable
14. “In” Weighbridge Unserviceable
15. Road safety and network efficiency
16. A – Evacuation Route from within Receiving Hall  
B – Evacuation Route to Emergency Assembly Area



## Related Documents

DOCUMENT NAME	REFERENCE NUMBER
Emergency Response Plan	PLAN003
Chain of Responsibility Management Plan	PLANS008

## Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial creation of Traffic Management Plan into new SUEZ template format	Site Manager		June 2015
2	Rebranded to SUEZ template. Updated to include Diagrams 3 to 7, and 15 A and B.	Site Manager	Int Sys Mgr	20/10/2016
3	Review to include recycling plant area and maps updated to reflect Stage 1 and Stage 2 consent works	Compliance and Site Manager		September 2019
4	Reviewed in relation to Fairfield Council & DPIE response	J Simmons K Gee		November 2019

## Appendices

### APPENDIX 1. PLANS008 Chain of Responsibility Management Plan

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# Chain of Responsibility Management Plan

Document #. PLANS008

Issue date: 14 Nov 18

Version 2



**APPENDIX 2. NHVAS – Permit 128849 V7 05/06/2019 – 11/02/2021**

Permit Number

128849 v7

**Class 2 – Heavy Vehicle PBS Authorisation Permit****Heavy Vehicle National Law**

This Permit is issued under the provisions of *Section 143 of the Heavy Vehicle National Law Act 2012* for the operation of a Class 2 vehicle (as defined in this Permit) subject to the conditions set out in this Permit and any attachments.

**Permit details**

This Permit is issued to

Suez Recycling and Recovery

Address

Locked Bag 5015

Kingsgrove, NSW

Postcode 2208

Description of vehicle combination

3-Axle Prime Mover and Quad-Axle Semi-Trailer

**Issue period**

From

05/06/2019

To

11/02/2021

**APPENDIX 3. NHVAS – Permit 116143 V2 26/06/2019 – 23/06/2022**

Permit Number

116143 v2

**Class 2 – Heavy Vehicle PBS Authorisation Permit****Heavy Vehicle National Law**

This Permit is issued under the provisions of *Section 143 of the Heavy Vehicle National Law Act 2012* for the operation of a Class 2 vehicle (as defined in this Permit) subject to the conditions set out in this Permit and any attachments.

**Permit details**

This Permit is issued to

Suez Recycling and Recovery

Address

Locked Bag 5015

Kingsgrove, New South Wales

Postcode 2208

Description of vehicle combination

3-Axle Prime Mover and Quad-Axle Semi-Trailer

**Issue period**

From

26/06/2019

To

23/06/2022



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# Emergency Response Plan

## ERP - Wetherill Park Resource Recovery Facility

Document #. PLANS003.2.14

Issue date 15 June 2020

Version 6



## Contents

Important Information .....	3
Introduction & Overview .....	4
Site Profile & Building Systems .....	5
Evacuation Diagrams.....	6
Emergency Control Organisation .....	7
ECO Responsibilities .....	8
Media Management .....	11
Training and Response Exercises .....	12
Risk Assessment .....	13
Evacuation Measures.....	14
Emergency Response Action Plans: .....	17
ACTION PLAN - FIRE ON SITE .....	18
ACTION PLAN - FIRE IN RECEIVED LOADS .....	19
ACTION PLAN - FIRE EQUIPMENT .....	20
ACTION PLAN - DECEASED PERSON.....	22
ACTION PLAN - ELECTRIC SHOCK .....	23
ACTION PLAN - MAIL HANDLING .....	24
ACTION PLAN - MEDICAL EMERGENCY.....	25
ACTION PLAN - SUSPICIOUS OBJECTS OR SUBSTANCES .....	26
ACTION PLAN - BOMB THREAT .....	27
ACTION PLAN - EXPLOSION.....	29
ACTION PLAN - LEACHATE SPILL .....	30
ACTION PLAN - STRUCTURAL DAMAGE TO BUILDING.....	31
ACTION PLAN - TOXIC AIR EMISSIONS.....	32
ACTION PLAN - UTILITY DAMAGE .....	33
ACTION PLAN - ARMED HOLDUP.....	34
ACTION PLAN - CIVIL DISORDER.....	35
ACTION PLAN - FLOOD .....	36
ACTION PLAN - LIGHTNING STORM / STRIKE .....	37
ACTION PLAN - SEVERE STORM .....	38
ACTION PLAN - EMERGENCY ON ADJACENT / NEIGHBOURING PROPERTY .....	39
Definitions .....	40
Related Documents.....	43
Review and Document Control .....	43
Appendix 1 – List of Abbreviations.....	44
Appendix 2 - Notifiable Incidents to SafeWork (NSW).....	45
Appendix 3 - Notification to EPA (NSW) - Pollution Incidents .....	47
Appendix 5 – Personal Emergency Evacuation Plan (PEEP).....	48
Appendix 6 – Personal Threat Log.....	49

## Important Information

Premises Details	
Site Address:	20 Davis Rd, Wetherill Park NSW 2164
Nearest Cross Street:	Elizabeth St, Wetherill Park
Phone Number:	(02) 9609 3377
Building Type:	Fixed double storey administration building with transfer station / recycling plant & weighbridge
Occupancy:	10 staff members
Hours of Occupancy:	Sunday 10pm – Saturday 1pm Sunday 6am – 06:00 – 13:00
Unique Site Hazards:	Asbestos facility Confined spaces on site
Primary Evacuation Assembly Area:	Front gate to site
Secondary Evacuation Assembly Area:	N/A
Emergency Control Point:	N/A
Alternative Emergency Control Point:	N/A



## Introduction & Overview

The information contained in this Emergency Response Plan (ERP) is designed to:

- Ensure the safety and wellbeing of workers and visitors during an emergency incident.
- Protect the site from theft or further damage during & after the incident.

All procedures provided in this document have been developed in accordance with Australian Standard AS 3745-2010 “Planning for emergencies in facilities”. The objective of this emergency plan is to equip SUEZ workers with the knowledge and skills to control and coordinate an emergency until the arrival of attending emergency services. In saying this, the focus should be the safe evacuation of all workers and visitors from the affected SUEZ site rather than property protection or disaster mitigation.

### Scope:

This ERP sets out guidelines to enable SUEZ to plan for and respond to internal and external emergencies. It applies to the property boundary, which encompasses the office, its grounds and ancillary structures. This includes all on-site waste disposal and resource recovery facilities. This plan has been prepared by Risk Logic Pty Ltd, in close consultation with work members of SUEZ, specifically for reference by these workers in the event of an emergency situation or critical incident occurring at the Wetherill Park Resource Recovery Facility site. This manual provides immediate general information and advice to persons dealing with emergency situations. This manual is not a substitute for training, experience and sound judgement; but if used properly, it will assist in emergency response and may help prevent an emergency from becoming a disaster.

Supporting information to this document is contained in *Emergency Management Procedure*.

### Response Policies:

All SUEZ sites must have

- An Emergency Response Plan
- Appropriate documentation
- Trained workers
- Evacuation Diagrams

### General Authority & Indemnity:

Once an emergency is declared, the powers of the Chief Wardens and Wardens overrule all normal management procedures. Wardens have the authority to marshal all workers and any visitors. The purpose of these powers is to ensure that during an emergency situation, life safety takes precedence over property protection and production matters. These guidelines require consideration to be given to ensure the protection of Wardens, the person or persons refusing to comply, and other personnel in the area when a refusal situation arises. Any work member responding in the event of an emergency is indemnified by SUEZ against civil liability resulting from workplace emergency response assessment, education, training sessions, periodic exercises or evacuation of a SUEZ site where the personnel act in good faith and in the course of their emergency duties.

Emergency service agencies and state authorities have the power to take control of emergency operations. In the event of the Emergency Services taking control of the site, all SUEZ workers will act in accordance with their instructions until such time as control of the site is handed back to the Chief Warden.

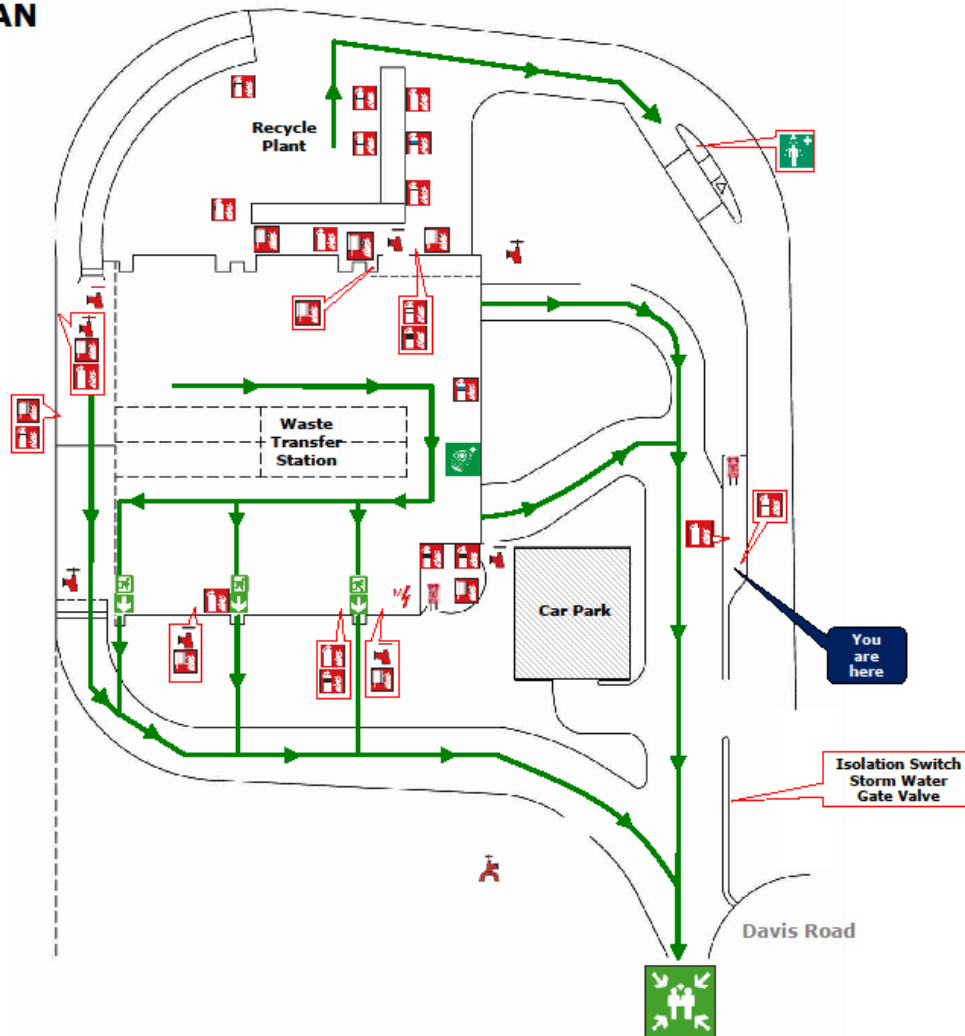
## Site Profile & Building Systems

General Features:	Description:	
Property Management	N/A	
Facilities on site	ARRT Facility Resource Recovery Facility Materials Recycling Facility Organic Resource Recovery Facility Transfer Station Landfill Education Centre Administration building/s Workshop Service Centre	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Fire Suppression Systems	Fire Hose Reels Fire Hydrants Fire Extinguishers Fire Blankets	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Fire Detection Systems	Smoke Detectors Thermal Detectors Sprinklers Manual Call Points Fire Indicator Panel (FIP) Monitoring Company EWIS System External Bells Internal Alarm	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Air Handling Systems	Smoke Doors Smoke Exhaust Fans Stair Pressurisation Auto air shutdown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Security Systems	Closed circuit TV	<input checked="" type="checkbox"/>
Communication Systems	Public Address (PA) system Two-way radio	<input type="checkbox"/> <input checked="" type="checkbox"/>

# EVACUATION DIAGRAM

## SITA AUSTRALIA – WETHERILL PARK RESOURCE RECOVERY FACILITY

### SITE PLAN



**Legend:**

Assembly area	CO <sub>2</sub> Extinguisher	Foam Extinguisher	Booster Assembly
Emergency Exit	Dry Chem Extinguisher	Fire Blanket	Fire Hydrant
Evacuation route	Emergency Eye Wash	Emergency Shower	Hose Reel

**Evacuation Assembly Area:**  
Outside the Facility

Version: 1.0  
Date of Issue: 13-08-12

**In the event of fire:**

**Remove people from danger**

- Yourself
- Other workers and visitors

**Raise the Alarm**

- Notify your Chief Warden
- Call 000

**Contain the fire**

- To the room or space of origin
- Close doors behind you

**Extinguish or Evacuate**

- Follow the Chief Warden's instructions
- Go to the assembly area
- Only attempt to extinguish fire if it's safe and you are trained to do so



**Dial 000 for all Emergency Services**

## Emergency Control Organisation





The Emergency Control Organisation (ECO) must initiate and control an appropriate response to emergency situations. Their primary role is to ensure that life safety takes precedence over asset protection.

The ECO consists of pre-determined positions relevant to your site. If the site does not have the quantity of workers to fulfil all positions of the ECO, workers on site must perform all the duties of the ECO to the best of their ability. As a minimum a Chief Warden must be determined for the site. For further information on ECO positions and requirement on site, refer to the *Emergency Management Procedure*.

### Identification

The members of the ECO must be identifiable by the use of coloured helmets or caps (as designated by the site).

In the event that a worker undertakes the role of first aider in addition to another role, a first aid sticker must be attached to the appropriate colour helmet

ECO Position	Colour	
Chief Warden	White	
Deputy Chief Warden	White	
Communications Officer	White	
Facility Warden	Yellow	
Warden	Red	
First Aid Officer	Green (white cross on green background)	

## ECO Responsibilities

Position	Pre-emergency (all other times)	During an emergency	Post emergency
Chief Warden	<ul style="list-style-type: none"> <li>• Ensure Site ECO membership is complete at all times</li> <li>• Replace ECO members within 1 month of a position becoming vacant</li> <li>• Confirm that ECO training and site emergency exercises are completed as per the requirements in the <i>Emergency Management Procedure</i></li> <li>• Ensure the site ERP is reviewed in accordance with the <i>Emergency Management Procedure</i></li> <li>• Ensure ECO identification is available at all times</li> </ul>	<ul style="list-style-type: none"> <li>• Respond to incident and take control</li> <li>• Ascertain nature of the emergency</li> <li>• Broadcast the incident colour code</li> <li>• Implement appropriate emergency response procedures for the site</li> <li>• Notify emergency services and brief them on arrival</li> <li>• Brief facility wardens on incident – ensure that all facilities are aware of the situation and their requirements (i.e. evacuation at a facility may not be required but a cease on truck movements on site may be required)</li> <li>• Initiate evacuation as required (partial/full)</li> <li>• Check all persons on site are accounted for (in conjunction with facility wardens)</li> <li>• Ensure neighbouring properties are notified as required</li> <li>• Notify Senior Management</li> </ul>	<ul style="list-style-type: none"> <li>• When appropriate to do so give the all clear to return to facilities</li> <li>• Report the incident in accordance with the <i>Incident Reporting and Corrective Action Procedure</i></li> <li>• Complete the <i>Emergency Response Review Form</i> in accordance with the requirements of the <i>Emergency Management Procedure</i></li> </ul>
Deputy Chief Warden	<ul style="list-style-type: none"> <li>• Assume the responsibilities of the Chief Warden when required</li> <li>• Act in accordance with the directions of the Chief Warden</li> </ul>		
Communications Officer	<ul style="list-style-type: none"> <li>• Ensure personal proficiency in operating site communication equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Act in accordance with directions of the Chief Warden</li> <li>• Ensure visitors books are available and accurate as at time of emergency</li> <li>• Ensure access to external parties is restricted until confirmation is received from Chief Warden</li> <li>• Ensure site access is clear for emergency services</li> <li>• Transmit instructions and information as required by the Chief Warden</li> <li>• Record a log of events occurring during the emergency</li> </ul>	<ul style="list-style-type: none"> <li>• Participate in the emergency response review as required</li> </ul>

Position	Pre-emergency (all other times)	During an emergency	Post emergency
Traffic Controller		<ul style="list-style-type: none"> <li>• Act in accordance with directions of the Chief Warden.</li> <li>• ensure no unauthorised access to the site</li> <li>• Do not allow vehicles to enter the property</li> <li>• Ensure Emergency Services can access site as required</li> <li>• Allow vehicles in the process of exiting to leave the site</li> </ul>	<ul style="list-style-type: none"> <li>• Restore access to the property (open and unlock gates) upon direction from the Chief Warden</li> <li>• Participate in the emergency response review as required</li> </ul>
Facility wardens	<ul style="list-style-type: none"> <li>• Ensure sufficient wardens are available for the facility</li> <li>• Have extensive knowledge of the facility including entry/exit points and safety/emergency equipment location</li> <li>• Ensure mobility impaired persons are considered and a PEEP completed in accordance with the <i>Emergency Management Procedure</i></li> <li>• Ensure safety equipment is available and up to date/maintained at all times</li> <li>• Ensure that all workers are trained in the ERP in accordance with the <i>Emergency Management Procedure</i></li> <li>• Attend training in accordance with requirements of the <i>Emergency Management Procedure</i></li> <li>• Complete emergency exercises in accordance with requirements of the <i>Emergency Management Procedure</i> and instructions from Chief Warden</li> <li>• Ensure personal ECO identification is available</li> </ul>	<ul style="list-style-type: none"> <li>• Act in accordance with directions of the Chief Warden</li> <li>• Implement and control appropriate emergency response procedure at facility</li> <li>• Be aware of the implications of an emergency in adjoining facilities</li> <li>• Control evacuation of facility as required – ensure orderly flow</li> <li>• Assist persons who cannot self-evacuate</li> <li>• Search the facility to ensure all persons have evacuated – provide an ‘all clear’ to the Chief Warden on completion of search</li> <li>• Advise Chief warden of situation and actions taken</li> <li>• Ensure that Emergency Services have been notified</li> <li>• Check all persons at facility are accounted for (in conjunction with chief warden)</li> </ul>	<ul style="list-style-type: none"> <li>• Participate in the emergency response review as required</li> <li>• Ensure firefighting equipment is replenished/maintained as required</li> </ul>



Position	Pre-emergency (all other times)	During an emergency	Post emergency
Wardens	<ul style="list-style-type: none"> <li>Carry out safety practices (clear egress paths, access to first-attack equipment &amp; disposal of rubbish, exit lighting working)</li> <li>Ensure personal ECO identification is available</li> <li>Complete emergency exercises in accordance with requirements of the <i>Emergency Management Procedure</i> and instructions from Chief Warden/Facility Warden</li> <li>Attend training as required in accordance with <i>Emergency Management Procedure</i></li> </ul>	<ul style="list-style-type: none"> <li>Act in accordance with directions of the Chief Warden / Facility Warden at all times</li> <li>Enact Emergency Response Procedures as required</li> <li>Direct all persons in an orderly flow to evacuation points as required</li> <li>Check that all fire/smoke doors are properly closed</li> <li>Report status of activities to the facility warden upon completion</li> <li>Search all facility areas to ensure that all persons have evacuated</li> <li>Step-up to Facility Warden role if required</li> </ul>	<ul style="list-style-type: none"> <li>Participate in the emergency response review as required</li> </ul>
First aid officers	<ul style="list-style-type: none"> <li>Ensure first aid kit is fully stocked/replenished as required in accordance with the <i>First Aid Management SOP</i></li> </ul>	<ul style="list-style-type: none"> <li>Collect first aid kit</li> <li>Administer first aid as required</li> <li>Set up and maintain a triage area as required</li> <li>Maintain communication with Chief Warden regarding injuries sustained</li> <li>Brief emergency services regarding injuries as required</li> </ul>	<ul style="list-style-type: none"> <li>Ensure first aid kit is replenished as required</li> <li>Ensure all injuries are reported in accordance with the requirements of the <i>Incident Reporting and Corrective Action Procedure</i></li> </ul>
State EQS Manager / Compliance Personnel		<ul style="list-style-type: none"> <li>Liaise with Chief Warden and provide technical information /assistance as required</li> </ul>	<ul style="list-style-type: none"> <li>Assess environmental impacts and respond/ report as required</li> </ul>

## Media Management

Refer to *Media and Communications Policy* for detailed instructions.

### Authority to Speak to Media

SUEZ employees must not provide comments or information to the media unless the employee has received prior authorization from SUEZ's Corporate Affairs Department.

Accordingly, SUEZ employees should not respond to, or comment on, any media stories regarding the company, our competitors or the industries in which we operate unless they are authorised as required by this policy. For the avoidance of doubt, this policy extends to employees acting in their capacity as a member or representative of an industry association or board.

### Handling Media Requests

Requests from the media must immediately be referred to the Corporate Affairs Department:

Primary Contact

**SUEZ Media Officer**

[corporateaffairs@SUEZ.com.au](mailto:corporateaffairs@SUEZ.com.au)

Phone: +61 (0)2 8775 5527

Secondary Contact

**Corporate Affairs Manager**

Phone: +61 (0)2 8775 5520

### Company Announcements and Media Statements

The Corporate Affairs Department is responsible for developing and authorising all official company announcements including media releases. Media releases or announcements mentioning SUEZ issued by third party organisations must also be authorised by the Corporate Affairs Department.

### Media Visits to SUEZ Sites

Media is not permitted to enter SUEZ sites without permission from the Corporate Affairs Department. However, media are permitted to film and report from areas outside the SUEZ boundary, for example on public roadways. All personnel associated with SUEZ must be polite and professional if refusing media access to a site and visits to SUEZ sites by the media must be made known to the Corporate Affairs Department.

## Training and Response Exercises

### Training

During an emergency the smooth implementation of emergency plans can only be achieved if all ECO members and other occupants are thoroughly familiar with what is expected of them.

Training for ECO members on all procedures within the ERP must be conducted in accordance with the requirements of the *Emergency Management Procedure*. Training must be conducted upon appointment to the relevant position.

Re-training must occur when procedures within this Plan are revised.

### Fire Fighting Training

Firefighting training for all wardens must be completed at the time of appointment to a role and refresher training must be undertaken every 2 years as a minimum.

Records of training must be kept and maintained in accordance with the *Records Procedure*.

### Emergency Response Exercises

An Emergency response exercise is a simulated emergency event occurring on site.

Emergency response exercises serve two purposes on site as follows:

1. They are used to train site occupants on their responsibilities in the event of an emergency occurring on site.
2. They are a means to test this Emergency Response Plan and the procedures therein.

Two emergency response exercises must be performed each year on site (one every 6 months).

- One must be an evacuation drill (a physical evacuation of all persons on site e.g. fire on site scenario),
- The other must be an emergency scenario as per the identified emergency risks for the site (a desktop exercise may be used for this exercise).

The same emergency scenario cannot be used twice in a row i.e. a site cannot perform two fire evacuation drills in the same year.

Upon completion of emergency response exercises the *Emergency Response Review Form* must be completed by the Chief Warden and filed in accordance with the requirements of the *Emergency Management Procedure*.

## Risk Assessment

The risk assessment process identifies the probable hazards for the site. In accordance with procedures as outlined in the *Emergency Management Procedure* the potential risks for the site have been identified and specific response and evacuation procedures have been developed to address these risks.

Due to the large number and variety of potential hazards on site, incidents are grouped by type, and then assigned a specific Colour Code as per AS3745.

The Chief Warden will broadcast the Colour Code when reporting an emergency incident, using a two-way radio or verbally. The purpose of this discreet reporting method is to reduce any anxiety or panic that may be experienced with a detailed broadcast message stating the actual emergency incident.

Incident Type	Incident Colour Code
Fire/smoke	Code Red
Medical emergency	Code Blue
Bomb threat	Code Purple
Infrastructure and other internal emergencies	Code Yellow
Personal threat	Code Black
External emergency	Code Brown
Evacuation	Code Orange

## Evacuation Measures

Evacuation involves the movement of workers, visitors and other personnel from an area of danger to an area of safety in as rapid and safe a manner as possible. In the event of an emergency incident on-site, the Chief Warden must decide on the requirement to evacuate all or part of the site.

The following factors must be considered:

- a) the seriousness and relevance of the threat to human safety,
- b) the proximity of hazards which may be relevant to the situation,
- c) the nature and type of hazards in the involved area, and
- d) the characteristics of, and hazards from, external sources.

**Note: if a Warden detects a dangerous situation, they are to commence an immediate evacuation of the area and notify the Chief Warden.**

In the event of an Evacuation the following measures should be undertaken:

- Fire-isolated stairs, fire escapes and other safe routes must be used.
- In the presence of fire or smoke (or both) the nearest accessible exit should be used.
- All Areas should be searched and cleared (where safe to do so).
- A head count should be conducted once the evacuation is complete making use of the visitor books and work roster.
- Personal Belongings must not be gathered unless it is safe to do so.
- The site (or facility) must be secured to prevent persons from re-entering after an evacuation has been ordered, including control of weighbridge access.

## Evacuation Types

The extent of evacuation from this site is dependent on the type of emergency situation and risk of harm to humans. The type of facilities located on-site must be taken into consideration when making this determination.

The evacuation types which may be employed are:

### Full Evacuation:

- Used to clear a building or facility of all occupants.
- Would normally be carried out in response to a potentially catastrophic, life-threatening situation or where the building/facility cannot function due to a severe services malfunction.

### Partial Evacuation:

- An alternative to a total evacuation.
- Partial evacuation may include:
  - Evacuation into or through smoke and fire compartments.
  - Be used to evacuate individuals closest to a situation and to prevent congestion in the stairways.
  - Be utilised when evacuation of individual facilities on-site or several floors is sufficient to protect occupants while the hazard is being eliminated.

### Shelter in Place:

- Allows occupants and visitors to remain inside a facility on the basis that an evacuation to an external-to-building location might reasonably expose evacuated people to a greater level of danger.

### **First Aid Measures**

The provision of trained first aiders and first aid kits on site must be managed as per the procedures outlined in the *First Aid Management SOP*.

### **Chemical Spills on site**

Chemical spills on site must be managed in accordance with the *Spill Response SOP*.

### **Fire detection and Alarm system testing**

The site fire detection systems and emergency alarm must be tested at the following intervals in accordance with the requirements of the *Emergency Management Procedure*:

- Monthly
- Six-Monthly
- Yearly
- Five-yearly

All testing must be conducted by a specialist provider (e.g. Chubb) who is competent to complete this testing.

Records of all testing and results of testing must be kept in accordance with the *Records Procedure* and be available on site.

### **Issue and Availability of the plan**

The site manager is responsible for ensuring that all ECO members are issued with a copy of the ERP. A copy of the ERP must be available at the following locations on site:

- Notice Board in Lunch Room
- Weighbridge

### **Distribution of ERP extracts**

The following extracts from the ERP will be displayed on notice boards around the site

- Emergency Contact Information Sheet (Separate Sheet)
- Evacuation Diagram



### **Communicating with Neighbouring Properties:**

All SUEZ sites must communicate emergency information and warnings to neighbouring properties where deemed appropriate.

- Contact information for neighbouring properties is included in the Contact List
- The Chief Warden must assess the situation and contact all neighbouring properties that may be affected by the emergency situation on site

### **Evacuation procedures for mobility-impaired persons:**

- In the event that there are mobility-impaired persons on-site, the following procedure must be followed:
  - In consultation with the mobility-impaired person, complete a Personal Emergency Evacuation Plan (PEEP) as part of the induction process (A template is located in **Appendix 5**).
  - Mobility-impaired persons are to remain where they are until their area has been evacuated.
  - When the area is clear, affected mobility-impaired persons must be moved into the safest area possible – as far away from the incident as possible and so not causing hazard for others leaving
  - If safe, a member of the ECO must remain with the person until arrival of Emergency Services.
  - On arrival of Emergency Services, notify them of the number and location of mobility-impaired persons.
  - Provide assistance to emergency services if required to assist mobility impaired persons.

### **After-hours Procedures:**

In the event of an incident occurring after-hours when limited workers are on duty, it may not be physically possible to follow the procedures outlined in this manual due to lack of personnel.

Priority must be to:

- Assist persons in danger; and
- Alert attending emergency services as quickly as possible.

After-hours procedures are as follows:

- The most senior worker on-site to assume the role of Chief Warden.
- Investigate the area for signs of danger.
- Immediately evacuate any persons in danger.
- Contact emergency services and report the situation.
- Contact the Site Manager

In the event of an emergency situation arising on-site when operations are closed, where applicable the security personnel, upon becoming aware of the situation must contact the emergency services immediately, followed by the Site Manager. The Site Manager must contact other required personnel and control access to the site accordingly.

The first employee on site shall assume the role of Chief Warden until relieved by a more senior worker.

## Emergency Response Action Plans:

The following Action Plans are designed to assist Wardens to respond to any incident with potential to cause injury to persons or damage to property. These procedures take into consideration such factors as the use and characteristics of the facilities on-site as well as other structures and workplaces, appropriateness and adequacy of physical facilities, organisational structures, human resources and communication systems for all envisaged emergencies.

To increase the effectiveness of the evacuation process it is important to be aware of the following potential risks in an emergency:

- Restricted visibility.
- Inaccessible or dangerous passageways.
- Smoke logged stairways.
- Rapid spread of smoke through the building including floors remote from the fire.

## Evacuation Box:

An evacuation box is located at the designated Evacuation Assembly Point. Contents of the evacuation box are as follows:

### Evacuation Box Contents

1. Emergency Response Plan
2. Hazardous Chemical Register
3. Safety Data Sheets

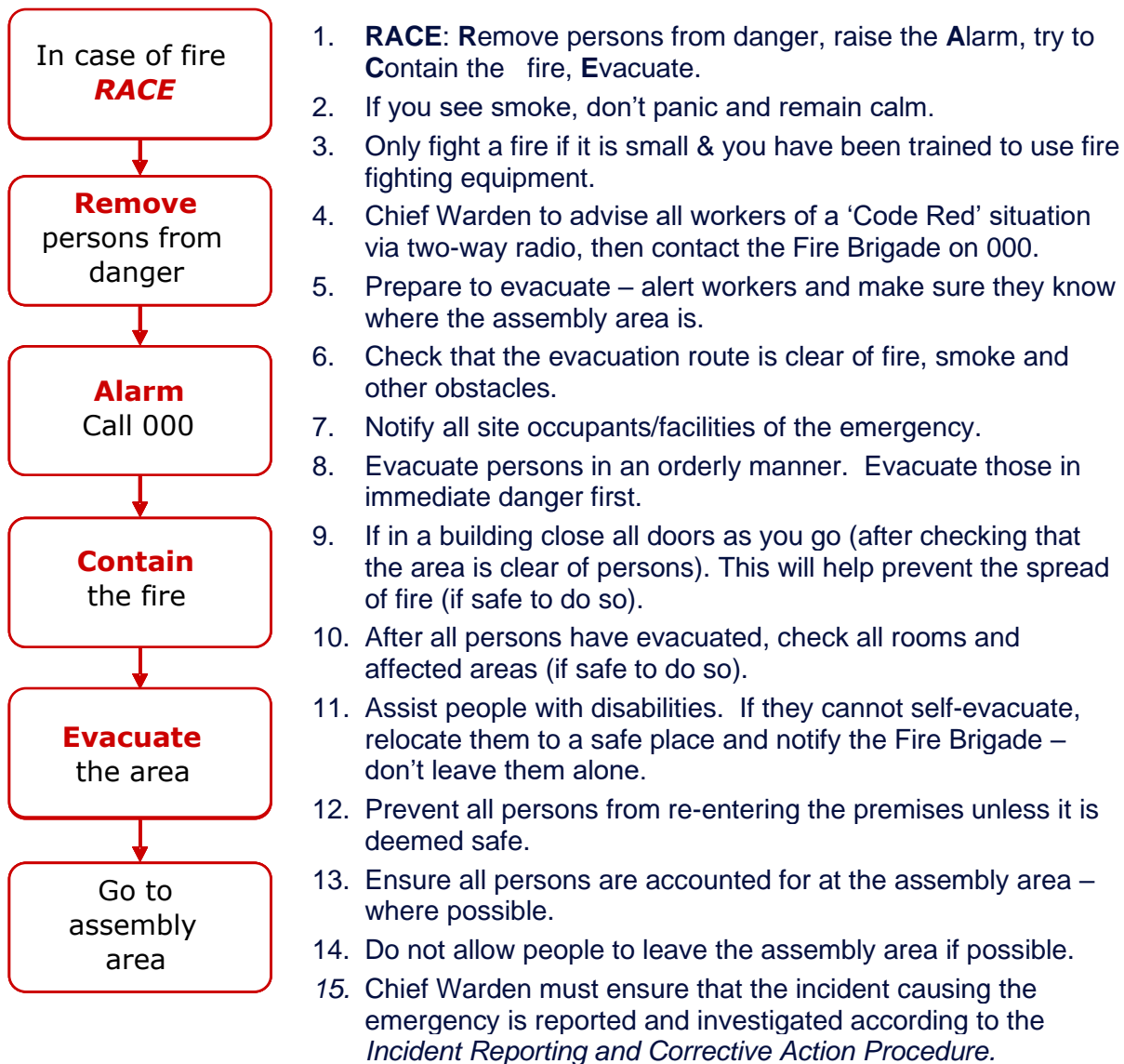
All information sheets held in the evacuation box will be updated annually.

## ACTION PLAN - FIRE ON SITE

CODE RED

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Follow the actions below to evacuate workers and visitors in the event of a fire in the premises:**



**Important Notes:**

- Be aware that some workers will ignore the alarms and/or refuse to evacuate unless they see signs of danger – request the worker to leave minimum 3 times, if they still refuse to leave, evacuate and make note of refusal.
- Any person suffering a medical condition such as asthma, must be evacuated as a priority if there are signs of smoke.

**ACTION PLAN - FIRE IN RECEIVED LOADS**

CODE RED

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**













Vehicles entering the site can lead to a fire emergency due to the risks associated with 'Hot Loads'.

In the event of a fire in a received load follow the actions as set out below:

1. Upon noticing a compaction vehicle on or approaching the site with a hot load, the Chief Warden must be notified immediately.
2. Chief Warden to advise all workers of a 'Code Red' situation via two-way radio.
3. If required, the Chief Warden will ensure that emergency services are contacted with accurate details concerning the nature of the emergency, the location of the emergency and the number of persons injured and their location on-site.
4. Where possible, instruction should be given to the vehicle operator to compact the load as much as possible, ensuring all compactor doors are closed.
5. Advise Fire Wardens with firefighting training of situation and request appropriate response.
6. Any decision to fight the fire needs to be made by the Chief Warden before the load is discharged.
7. All drainage from this area is to be retained on site until assessed for treatment and disposal by the site manager.
8. If practicable, select an appropriate disposal location ensuring the area is clear, accessible and clear of other fire hazards.
9. Instruct the vehicle operator to discharge load from an upwind direction and move the vehicle from danger.
10. **Only attempt to fight the fire if you are confident, have a clear escape route and it is safe to do so.**
11. Ensure the correct type of firefighting equipment is used.
12. If it becomes obvious that there are unnecessary risks associated with attempts to control a fire, evacuate the area immediately, taking steps to restrict the spread of fire and smoke if possible.
13. The Chief Warden will brief emergency services on arrival. Emergency services will then control the incident.
14. Upon completion, the Chief Warden must ensure that the area has been made safe.
15. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

# ACTION PLAN - FIRE EQUIPMENT

<h2 style="margin: 0;">Portable Fire Extinguisher Guide</h2>	<p style="margin: 0;">T +61 3 9890 1544                  F +61 3 9890 1577                  E shop@fpaa.com.au                  E technical@fpaa.com.au                  W www.fpaa.com.au</p> 
--	--

		Type of Fire, Class and Suitability							Comments	D Metal Fires
Pre 1997	Current	Extinguishing Agent	A Wood Paper Plastic	B Flammable & Combustible Liquids	C Flammable Gases	E Electrically Energised Equipment	F Cooking Oils and Fats			
		Water	✓	✗	✗	✗	✗	✗	Dangerous if used on flammable liquid, energised electrical equipment and cooking oil/fat fires	Use only special purpose extinguishers and seek expert advice.
		Wet Chemical	✓	✗	✗	✗	✓	Dangerous if used on energised electrical equipment		
		Foam <sup>1</sup>	✓	✓	✗	✗	LIMITED	Dangerous if used on energised electrical equipment		
		Powder	(ABE)	✓	✓	✓	✓	✗	Look carefully at the extinguisher to determine if it is a BE or ABE unit as the capability is different	
			(BE)	✗	✓	✓	✓	✓		
		Carbon Dioxide	LIMITED	LIMITED	✗	✓	✗	Not suitable for outdoor use or smouldering deep seated A Class Fires		
		Vaporising Liquid	✓	LIMITED	LIMITED	✓	✗	Check the characteristics of the specific extinguishing agent. 5 Yearly servicing must be done by ODS & SGG licenced persons.		
		Fire Blanket	LIMITED <sup>2</sup>	LIMITED	✗	✗	✓	<sup>2</sup> Fire Blankets may be used as a thermal barrier against radiated heat and to control a fire in clothes being worn by a person.		

**LEGEND**  
 ✓ = the class or classes in which agent is most effective  
 ✗ = not recommend for these class of fires  
 For more information go to: [www.fpaa.com.au](http://www.fpaa.com.au)  
 LIMITED = indicates that the Extinguishant is not the agent of choice for the class of fire, but it may have a limited extinguishing capability  
<sup>1</sup> Solvents such as alcohol or acetone mix with water and therefore require special foam  
 © FPA Australia ABN 30 005 366 576

Fire Extinguisher chart provided by the Fire Protection Agency of Australia.

### How to use a fire extinguisher

**P**ull the PIN in the handle and test the extinguisher before you approach the fire.

**A**im the extinguisher at the base of the fire.

**S**queeze the handle of the extinguisher.

**S**weep the extinguisher from side to side across the base of the fire.

- Only attempt to fight a small fire. I.e. waste paper bin.
- Make sure you have a clear escape path.
- Stay upwind of the smoke.
- Never work alone – make sure someone is there to assist you.
- Check that you have the correct extinguisher for the type of fire.
- Make sure that the fire is out. If it reignites, repeat the above process.

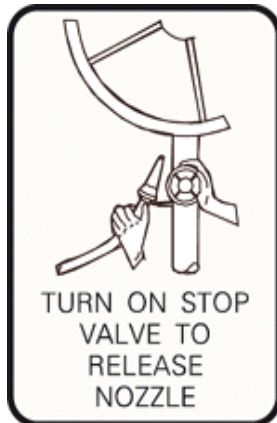
Do not attempt to fight a fire unless you have been trained to use firefighting equipment.



## FIRE EQUIPMENT (Continued)

### Fire Hose Reel:

1. Turn on the stop valve.
2. Run out the length of the hose as required.
3. Turn on the water at the nozzle, direct the stream at the base of fire.
4. Ensure you leave a direct egress path between you and the nearest exit door/egress route.



### Fire Blankets:

1. Pull on the tabs to release the fire blanket.
2. Open the fire blanket and hold it in front of you to shield your body hands and face from the fire.
3. Cover the burning material completely, ensuring there are no gaps for oxygen to reach the fire.
4. Shut off any gas or other fuel supply involved in the fire, and contact the Fire Brigade if you have not done so already.
5. Leave the blanket in place for at least 30 minutes to allow the oil or fat to cool.
6. Always read the instructions for your Fire Blanket before use.



**Note: Fire Blankets are NOT designed for re-use! Dispose of your Fire Blanket once it has been used**

### Fire Fighting Equipment:

- Should only be used in an emergency and NEVER removed, operated or tampered with for amusement or malicious purposes.
- First attack firefighting equipment such as extinguishers and fire hose reels should only be operated by persons who are competent in their use, providing it is safe to do so and only for the specific types of fires for which they are designed.
- Extinguishers or any other fire detection, suppression or safety equipment which appears to be faulty, missing or in any other way suspect should be immediately reported to the appropriate facilities person.
- Items must not be stored around or in the fire hose reel cabinets.

**ACTION PLAN - DECEASED PERSON**

CODE BLUE

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

In the event of a death on site follow the actions as set out below:

1. Remain calm.
2. Inform the Chief Warden.
3. Chief Warden to call emergency services on 000.
4. Chief Warden to advise all workers of a 'Code Blue' situation via two-way radio.
5. Isolate the site where the incident has occurred.
6. Ensure danger is not present or has passed.
7. Segregate any witnesses in a private area away from incident scene.
8. Segregate any friends/colleagues of the deceased in a private area away from incident scene.
9. Disperse any spectators.
10. Avoid contact with blood and other body fluids by using protective gloves.
11. If practicable, cover the body and make sure that it cannot be disturbed.
12. Do not interfere with any evidence.
13. Collect accurate information about the incident.
14. If worker is involved, request police to advise when next of kin have been informed.
15. The Chief Warden must ensure that the incident is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.



**ACTION PLAN - ELECTRIC SHOCK**

CODE BLUE

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**The following information will help you assist persons that have received an electric shock.**

**Description/Definition:**

Electric shock may stun a person, stop their breathing and cause severe burns to skin and internal organs. Injuries can be fatal.

In the event of an electric shock to a person follow the actions as set out below:

1. Avoid direct contact with the affected person while they are in contact with the electric current.
2. Break the contact by switching off the current if possible, or by contacting service provider.
3. **For low voltage only (<1000 volts):** If the above action is not possible, stand on something dry (blanket, rubber mat, newspapers) and break the contact by pushing the affected person free with a wooden pole or board, or pulling with a loop of rope around an arm or a leg.
4. **Do not use any materials that conduct electricity (e.g. metal) or anything moist.**
5. Inform the Chief Warden.
6. Chief Warden to call Emergency Services on 000.
7. Chief Warden to advise all workers of a 'Code Blue' situation via two-way radio.
8. Only permit first aid when the situation is safe, electrical source has been isolated or person removed from the electrical source
9. Affected person must be attended to by a first aider
10. Always seek medical advice after an electric shock.
11. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

**ACTION PLAN - MAIL HANDLING**

CODE BLUE

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

A suspicious package that may include explosive or fire-starting devices, noxious and poisonous material, acids, chemical or biological agents, needles and blades (sharps), body fluids or tissue, samples of soil or animal products.

In the event of delivery of a suspicious package or envelope follow the actions as set out below:

**Workers:**

1. Do not open the package.
2. Advise your emergency warden and/or supervisor immediately.
3. Move the item to an isolation area or clear flat surface.

**Wardens:**

1. Investigate the situation. Try to obtain information on the sender and the recipient.
2. Contact emergency services
3. Notify your Chief Warden of the emergency.

**Chief Warden:**

1. Ensure that emergency services have been notified.
2. Contact management and advise of the situation.
3. Notify neighbours if appropriate.
4. Meet and brief emergency services.
5. Keep records of what you were told, what you saw and the actions you took.
6. After the incident, conduct a debrief with affected workers and wardens.

**Do not:**

- Wet the item.
- Place the item in a container.
- Invite others to look at the item.
- Use mobile phones or two way radios in the vicinity of the item.

**ACTION PLAN - MEDICAL EMERGENCY**

CODE BLUE

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

A medical emergency is any event which has caused an injury or illness to a person requiring immediate medical attention beyond the skills of a trained first aid Officer

In the event of a medical emergency follow the actions as set out below:

1. Call 000 and request an ambulance – follow the operator’s instructions.
2. Inform the Chief Warden.
3. Commence first-aid treatment on the casualty as quickly as possible (First Aid must be provided by a trained first aider only).
4. Avoid moving the casualty unless absolutely necessary. If the casualty is conscious, provide reassurance whilst they receive first-aid treatment.
5. Nominate someone to direct emergency services to the building entrance.
6. Make sure there is a clear path for ambulance officers to access the casualty.
7. Provide ambulance officers with a brief update on the casualty’s condition. First-aiders should remain with the casualty to assist ambulance officers.
8. Site manager must contact the casualty’s ‘next of kin’ and provide them with details of the incident.
9. The Chief Warden must ensure that the incident is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

## **ACTION PLAN - SUSPICIOUS OBJECTS OR SUBSTANCES**

CODE BLUE

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

### **Description/Definition:**

A suspicious object of substance is anything found within a facility that may cause harm to people or damage to property (i.e. package on the Transfer Station floor).

All suspicious objects or substances must be treated seriously, and necessary actions must be implemented to minimise the danger to employees, public, and plant and equipment.

In the event of the discovery of a suspicious object or substance follow the actions as set out below:

1. Inform the Chief Warden.
2. The classification of an object or substance as suspicious will be determined by the Site Manager, Compliance Officer and or the Supervisor and communicated to the Chief Warden. Under no circumstances must anyone else inspect the object or substance.
3. If the object or substance is declared as suspicious the area around the object or substance must be evacuated and secured to ensure no entry of unauthorised personnel occurs.
4. Chief Warden to notify emergency services on 000 if required.
5. If necessary, Chief Warden to advise all workers of a 'Code Blue' situation via two-way radio.
6. An organic vapour respirator and safety glasses must be worn at all times when inspecting suspicious substances. Only emergency authorities will be allowed to inspect an object or substance has been deemed suspicious.
7. Once the immediate area has been evacuated, the Chief Warden in consultation with the Site Manager, the Supervisor or Compliance Officer will then make the determination if it there are any safe areas to resume operations.
8. Workers within other parts of the site including any Administration Offices will be contacted and required to evacuate if the object or substance has potential to affect people in these areas.
9. Once the suspicious object of substance has been removed and the area made safe, the Chief Warden must ensure that the incident is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

## ACTION PLAN - BOMB THREAT

CODE PURPLE

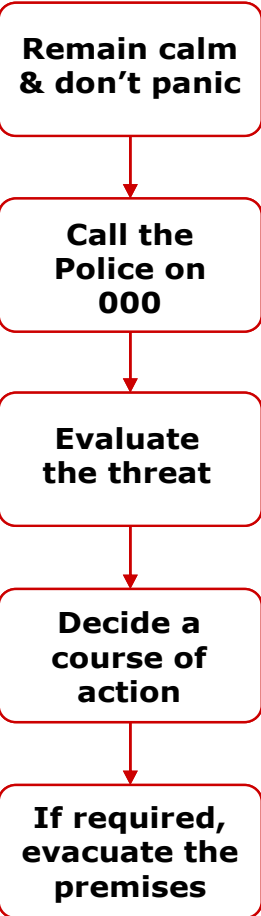
**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

### Description/Definition:

A bomb threat is notice received by any means of an explosive or any other hazardous device having been placed to cause risk or damage to the site.

In the event of an Bomb Threat follow the actions as set out below:

1. If a written bomb threat is received or suspicious object is found notify Police on triple zero.
  - i. In the event of a suspect letter do not handle the letter more than necessary and if a suspect package don't touch the object unnecessarily.
  - ii. Where possible place any letters and envelopes in a plastic pocket.
2. If a telephone bomb threat is received:
  - i. Attract the attention of another worker.
  - ii. Keep the caller on the line as long as possible. Don't hang up under any circumstances.
  - iii. Complete the *Bomb Threat Checklist*, paying particular attention to background noises, accents, speech patterns, etc.
  - iv. Call the Police on 000.
  - v. Give the *Bomb Threat Checklist* to the Chief Warden/Police immediately.
3. Immediately evacuate the site:
  - i. When evacuating check that all exit routes are clear and leave doors open.
  - ii. Remove all personal items from common areas as these can be confused with suspicious objects.
  - iii. Avoid using mobile phones or portable radios as these may trigger a detonation.
  - iv. Ensure that the assembly area is far enough away to be unaffected from a blast.
  - v. Do not re-enter the site without approval from Emergency Authorities /Police.



**If a possible bomb/suspicious object is identified on site follow the HOT-UP principle:**

<b>H</b>	Is the item: <u>H</u> idden?
<b>O</b>	<u>O</u> bviously a bomb?
<b>T</b>	<u>T</u> ypical of its environment?
<b>U</b>	Has there been: <u>U</u> nauthorized access?
<b>P</b>	<u>P</u> erimeter breach?

<p><b>Considerations:</b></p> <ul style="list-style-type: none"> <li>■ Is the item unidentified?</li> <li>■ Is the item unusual or foreign to its environment?</li> <li>■ Is the item typical for its environment?</li> <li>■ Is the item obviously a bomb?</li> <li>■ Is the item hidden or concealed in any way?</li> <li>■ Has there been any unauthorised access to the area?</li> <li>■ Has there been a perimeter breach?</li> </ul>
--

# Bomb Threat Checklist

Refer to Emergency Response Plan (PLAN003) for more information.



**Remember to keep calm**

WHO RECEIVED THE CALL	
Name (print): .....	
Telephone number: .....	
Date call received: .....	Time received: .....
Signature:.....	
IMPORTANT QUESTIONS TO ASK	
Where did you put it? .....	
When is the bomb going to explode? .....	
What does it look like? .....	
EXACT WORDING OF THE THREAT	
Threat:.....	
GENERAL QUESTIONS TO ASK	
How will the bomb explode? ..... or	
How will the substance be released? .....	
Did you put it there? .....	
Why did you put it there? .....	
BOMB THREAT QUESTIONS	
What type of bomb is it? .....	
What is in the bomb? .....	
What will make the bomb explode? .....	
CHEMICAL/BIOLOGICAL THREAT QUESTIONS	
What kind of substance is in it? .....	
How much of the substance is there? .....	
How will the substance be released? .....	
Is the substance a liquid, powder or gas? .....	
OTHER QUESTIONS TO ASK	
What is your name? .....	
Where are you? .....	
What is your address? .....	
CALLER'S VOICE	THREAT LANGUAGE
<input type="checkbox"/> Accent (specify): <input type="checkbox"/> Any impediment (specify): <input type="checkbox"/> Voice (loud, soft, etc): <input type="checkbox"/> Speech (fast, slow, etc): <input type="checkbox"/> Diction (clear, muffled): <input type="checkbox"/> Manner (calm, emotional, etc): <input type="checkbox"/> Did you recognize the caller? <input type="checkbox"/> If so who do you think it was? <input type="checkbox"/> Was the caller familiar with the area?	<input type="checkbox"/> Well spoken: <input type="checkbox"/> Incoherent: <input type="checkbox"/> Irrational: <input type="checkbox"/> Taped: <input type="checkbox"/> Message read by caller: <input type="checkbox"/> Abusive: <input type="checkbox"/> Other:
BACKGROUND NOISES	OTHER / CALL TAKEN
<input type="checkbox"/> Street noises: <input type="checkbox"/> Aircraft: <input type="checkbox"/> Music: Other:	<input type="checkbox"/> House Noises: <input type="checkbox"/> Voices: <input type="checkbox"/> Machinery: <input type="checkbox"/> Local call: <input type="checkbox"/> STD:
Sex of the caller:	Estimated age:
Duration of call:	Number called:
<b>PHONE CALL REPORTED IMMEDIATELY TO:</b>	

Word copy of this document can be found with PLANS003 on the EQSMS database



**ACTION PLAN - EXPLOSION**

CODE YELLOW

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

In the event of an explosion onsite:

1. Inform Chief Warden and Emergency services immediately.
2. Chief Warden to advise all workers of a 'Code Yellow' situation via two-way radio.
3. Evacuate all non-injured persons from the area.
4. Treat seriously injured persons at the scene.
5. Persons suffering minor injuries should be evacuated and treated at the Assembly Area.
6. Those that are obviously deceased must not be moved.
7. Coordinate fire-fighting efforts, if safe to do so.
8. Chief Warden to coordinate:
  - Isolation or shut down of equipment which could be hazardous to rescue operations.
  - A survey of the site for any signs of structural damage and if suspect - place off-limits.
9. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

**ACTION PLAN - LEACHATE SPILL**

CODE YELLOW

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

Any leak or spill of leachate out of prescribed catchment areas.

In the event of a Leachate Spill follow the actions as set out below:

1. Notify Facility Warden and/or Chief Warden immediately.
2. Chief Warden to advise all workers of a 'Code Yellow' situation via two-way radio.
3. If required, the Chief Warden must advise emergency services (Fire Brigade) on 000.
4. If required advise the EPA in accordance with procedures as documented in **Appendix 3**.
5. If safe to do so, restrict the spread of the spill (erect bund or dam, restrict pipe flow). Control spill with available equipment and PPE.
6. If the spill spreads further or area becomes affected by fumes or mist, leave the area immediately.
7. The Chief Warden must brief emergency services on arrival. Emergency services will take control of the incident if required.
8. The Chief Warden must ensure the area has been made safe and appropriate isolation and tag-out of machinery/piping occurs.
9. Ensure that there are no ignition sources in the affected area.
10. If the amount of Leachate spill is considered major, consider evacuating all, or part of the facility.
11. The Chief Warden must ensure that the incident is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

## ACTION PLAN - STRUCTURAL DAMAGE TO BUILDING

CODE  
YELLOW

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

### Description/Definition:

Any damage to a building which could impact on the structural integrity of the building e.g. cracks in walls, water damage, leaning walls, buckling of beams, partial collapse of walls/structure.

In the event of structural damage to a building follow the actions as set out below:

### Where there is the possibility of a total or partial structural failure or collapse of the building:

1. Evacuate persons immediately and/or keep away from the area until it has been professionally inspected to determine structural integrity.
2. Inform Chief Warden.
3. Isolate the area with consideration to falling debris.
4. Isolate gas and electrical supply to affected area from external point, if appropriate.
5. Advise all people on site of the situation and the "out of bound" area.

### Where there is no risk of structural collapse, but there is the possibility of objects falling from the structure (e.g. window failure):

1. Immediately isolate the area below the structure.
2. Inform the Chief Warden.
3. Advise all people on site of the situation and the "out of bound" area.
4. Maintain isolation until repair is completed.
5. Report incident in accordance with regulatory legislation.
6. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

**ACTION PLAN - TOXIC AIR EMISSIONS**

CODE YELLOW

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**CAUTION - CONFIRM IF AREA SAFE TO APPROACH**

If emissions are suspected or discovered to be of a toxic or hazardous nature all personnel must cease work and evacuate the area immediately.

In the event of toxic or hazardous emissions follow the actions as set out below:

1. Inform the Chief Warden.
2. If required, the Chief Warden will contact emergency services and the EPA in accordance with requirements in **Appendix 3**.
3. Prevent unauthorised access to area – If safe to do so, isolate and barricade the area allowing for wind speed and direction.
4. No person is to enter the isolated area to mitigate emissions without wearing the appropriate PPE and having the express permission of the Chief Warden.
5. Monitoring and sampling of emissions is to be carried out by suitably qualified persons to determine suitable isolation and appropriate action to mitigate emissions.
6. The Chief Warden must liaise with emergency services to determine the extent of site and community evacuation if required.
7. The Chief Warden is to ensure that the area has been made safe and cordoned off to prevent entry to affected area.
8. The Chief Warden must ensure that air monitoring continues to determine safe distance from the emission source until mitigation is completed.
9. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

**ACTION PLAN - UTILITY DAMAGE**

CODE YELLOW

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

Any damage to a site utility (water, electricity, gas)

In the event of damage to a utility follow the actions as set out below:

1. Notify the Chief Warden.
2. Contact utility supplier to inform of situation and request assistance.
3. Chief Warden to advise all workers of 'Code Yellow' by two-way radio.
4. Check to see if neighbours are experiencing the same issue.
5. Investigate the cause of the damage if safe to do so.
6. If possible shut off any supply that is affected, shut off other utilities that may cause additional danger.
7. If the cause of the disruption/damage is found, secure the area to prevent access.
8. Contact emergency services if there is any risk of harm to people or damage to property.
9. If major damage, it may become necessary to evacuate all, or a substantial part of the site.
10. The Chief Warden must ensure that the incident causing the emergency is reported and investigated according to the *Incident Reporting and Corrective Action Procedure*.

**ACTION PLAN - ARMED HOLDUP**

CODE BLACK

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

An armed hold-up occurs when an intruder gains unlawful access to a premises and/or holds people against their will whilst committing a robbery.

In the event of an Armed Hold up follow the actions as set out below:

1. **Cooperate** with the intruder's instructions at all times.
2. **Remain calm**, control emotions.
3. **Avoid eye contact** with the intruder wherever possible.
4. **Do not** make sudden movements.
5. If you need to move to cooperate with the intruders instructions, keep your hands where they can see them and tell them what you are going to do.
6. **Do not attack** the intruder.
7. Stay out of the danger area - **do not investigate** out of curiosity or bravado.
8. Note as much information about the intruder as you can, given the situation.
9. **Do not challenge** the intruder.
10. **Do not attempt to chase** the intruder.
11. **Stay where you are.**

**Immediately after the robbery:**

1. **CALL THE POLICE** - When it is safe the Site Manager (or most senior worker on site) must call the police on triple zero. Make a full report to the police before discussing the hold-up with other workers.
2. **SEAL OFF THE HOLD-UP AREA** - Evidence must not be touched. Any interference may destroy vital evidence.
3. **ASK WITNESSES TO REMAIN** - Ask all witnesses to remain until the police arrive.



## **ACTION PLAN - CIVIL DISORDER**

CODE BLACK

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

### **Description/Definition:**

A civil disturbance is any public demonstration, protest or public assembly, at or adjacent to, the site which negatively impacts on the ability to undertake normal activities.

In the event of Civil Disorder follow the actions as set out below:

1. Immediately contact Police on triple zero and notify Senior Management.
2. Attempt to monitor demonstrator/s from a safe distance.

If there is a risk to occupant safety or of unlawful building entry, then direct workers as follows:

1. Chief Warden to advise all workers of a 'Code Black' situation via two-way radio.
2. Take steps to restrict access to site by the demonstrator/s.
3. Secure critical records, equipment and valuable items.
4. Remove any objects in accessible locations which could be used as weapons or missiles by aggressive trespassers.
5. Be mindful of possible diversionary tactics by demonstrators to mask criminal activity.
6. The Chief Warden should ensure that any group of demonstrators is kept under continuous discreet surveillance and attempt to ascertain size of group, composition, leader's identity, motives, intentions, mood and location.
7. Do not attempt to forcefully remove demonstrators.

### **Crowd-Unruly Behaviour:**

Continuous monitoring of crowd behaviour by workers provides the best opportunity for early detection of possible troublemakers and prominent placement of uniformed workers/security can serve to deter such individuals from unruly behaviour.

In the event of an incident involving unruly behaviour, the rapid intervention by Security or Police and removal of persons involved is essential to minimise the risk to patron safety in the immediate vicinity. It is therefore important for workers observing indications of trouble to promptly report their observations to Security/Police.

Workers in the area of the incident should be mindful of the impact it can have on unaffected persons in the vicinity, and where necessary, as a precaution, workers may need to temporarily move those not directly involved away from the scene to create a safety buffer.

**ACTION PLAN - FLOOD**

CODE BROWN

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

In the event of a Flood follow the actions as set out below:

**Before the flood (Alert Phase):**

1. On notification of impending severe storm, Chief Warden to advise all workers of the 'Code Brown' situation (by two-way radio or other device) and give instructions on actions to take.
2. Monitor information sources:
  - Regional and local radio stations.
  - Relevant websites.
  - Bureau of Meteorology.
  - SES Reports.
3. Liaise with local emergency services (e.g. SES).
4. Remove or relocate equipment expected to be impacted by the flood.
5. Determine need for sandbagging as required by expected flood heights.

**During the flood (Response Phase):**

1. Move all workers indoors. If outdoors, workers must take extra precaution to avoid hazards such as flooded roads, downed electrical power lines, utility poles and trees.
2. **DO NOT** drive over flooded roads, causeways or bridges unless depth, washout, debris and flow rate can be determined as safe.
3. **DO NOT** attempt to wade across or swim through flood waters of any kind.
4. Liaise with Police and SES regarding road conditions and safe routes.
5. Be aware of possible contaminated water.
6. Be aware of animals, insects and parasites in or around flood waters.

**After the flood (Recovery Phase):**

7. Assess site for any potential contamination issues.
8. Inspect equipment for damage.



**IMPORTANT: Never Enter any water above gumboot height!**  
(E.g. Flood water, rising water, stagnant ponded or dammed water)

**ACTION PLAN - LIGHTNING STORM / STRIKE**

CODE BROWN

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

A lightning storm is any storm where lightning is evident.

**The 30/30 rule**

When thunder is heard within 30 seconds of a lightning flash, take shelter inside and wait for 30 minutes after the last thunder is heard to resume any activities on-site.

If you're unable to take shelter inside, find the safest accessible location and stay there until the storm has passed (refer steps below).

In the event of a Lightning Storm follow the actions as set out below:

**General precautions:**

1. Do not use or remain in mobile plant when outside.
2. Stay inside buildings at all times, avoid small structures or fabric tents and keep clear of windows.
3. Stay away from metal poles, fences, clothes lines etc.
4. If driving, slow down or park away from trees, power lines or other objects that may be damaged by storm activity.
5. Stay inside vehicles but do not touch any metal sections.
6. Discard all metal objects.

**If shelter is not available:**

1. Crouch/squat (feet together), preferably in a hollow. Make yourself a small target.
  - Keep hands off the ground
  - Spread groups of workers out (do not touch)
2. Remove metal objects from head/body.
3. Do not lie down (the more of you that is in contact with the ground, the more 'attractive' you are to lightning).
4. If your hair stands on end or you hear buzzing on nearby rocks, fences etc, move immediately. ( At night, a blue glow may show if an object is about to be struck).
5. Stay away from high and low points (hilltops, ridges & gullies), rock overhangs and shallow caves.
6. Keep out of, and well away from, water bodies or watercourses.
7. Never shelter under tree/s.

**First aid:**

1. Apply immediate CPR to lightning victims until medical help arrives. (You won't receive a shock from the victim).

**ACTION PLAN - SEVERE STORM**

CODE BROWN

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

A severe storm is any of the following events:

- heavy rain (causing flash flooding),
- hail,
- severe thunderstorm.
- strong wind gusts.
- cyclone

In the event of a Severe Storm follow the actions as set out below:

1. Move workers indoors. If outdoors, workers must take extra precaution to avoid hazards such as flooded roads, downed electrical power lines, utility poles and trees.
2. Chief Warden to advise all workers of a 'Code Brown' situation via two-way radio and provide actions to take.
3. Avoid driving during severe storms wherever possible.
4. Close all windows, curtains, blinds and external doors.
5. Remain inside a building during the storm, keeping away from exposed windows.
6. Move computers and valuables away from windows or items that may fall.
7. Turn off electrical appliances and unplug them from wall sockets where possible.
8. Be aware that lightning strikes may cause power failure which will affect services such as lighting, lifts, heating or air conditioning, ventilation and building fire systems.
9. In the event of damage to the building, seek shelter under tables or desks and away from items such as machinery and other objects that may fall or slide. In multi-story buildings, the central core is usually the safest place to seek refuge.
10. Refrain from using the telephone during thunderstorms.
11. Chief Warden to announce when the storm has passed and the plan for the remainder of the day.

**ACTION PLAN - EMERGENCY ON ADJACENT /  
NEIGHBOURING PROPERTY**

CODE BROWN

**Under no circumstances should you put your life at risk in attempting to deal with an emergency**

**Description/Definition:**

An Emergency on an adjacent or Neighbouring property is any incident which could impact on the health and safety of persons or the environment on a SUEZ site such as:

- Fire
- Chemical spill/leak
- Gas (LPG) Explosion
- Release of Vapours, Gases or Toxic Fumes

In the event of an emergency on an adjacent / neighbouring property follow the actions as set out below:

1. Notify the Chief Warden Immediately
2. Chief Warden to advise all workers of a 'Code Brown' situation via two-way radio and provide actions to take.
3. Chief Warden to consult with Adjacent / neighbouring property and Emergency services and determine the need for evacuation

## Definitions

**Armed Person** - A person who is in possession of an offensive weapon, or instrument. Note: where it is strongly suspected that a person is carrying a weapon or instrument, he or she should be treated as an armed person.

**Assembly area(s)** - The designated place or places where people assemble during the course of an evacuation.

**Bomb** - A device of any size or shape, which can look obvious or be camouflaged, may vary in its sophistication, and may not necessarily explode (i.e., incendiaries, toxic/noxious substances, sharps, animals/reptiles). May also be referred to as an improvised explosive device (IED).

**Bomb threat** - A threat, written or verbal, delivered by electronic, oral or other medium, threatening to place or use an explosive, chemical, biological, or radiological device at a time, date, place or against any specific person or organisation.

**Chief Warden** - The person who is in overall charge of emergency management, planning and operations.

This may or may not be the person in charge of the facility, depending upon local circumstances and timing.

**Competent Person** - A person who has acquired through training, education, qualification, experience, or a combination of these, the knowledge and skill enabling him/her to correctly perform the required task.

**Confrontation** - A situation involving high risk of injury to personnel by a person (or persons) who may or may not be armed.

**Emergency** - Any event which arises internally, or from external sources, and which may adversely affect persons or the community generally, and requires an immediate response.

**Emergency Control Organisation (ECO)** - A person or persons appointed by the Site Manager to direct and control the implementation of the site's emergency response procedures.

**Emergency Coordination Centre (ECC)** - The coordination centre during an emergency.

**Emergency Response Plan (ERP)** - The written documentation of the emergency arrangements for a site generally made during the planning process. It consists of the preparedness, prevention and response activities and includes the agreed emergency roles, responsibilities, strategies, systems and arrangements.

**Emergency Response Procedures** - A documented scheme of assigned responsibilities, actions and procedures within a designated section of the emergency response plan, to respond to and manage emergencies.

**Emergency Response Team (ERT)** - Specialist personnel, appointed to attend specific incidents, to contain, control or eliminate the emergency using emergency response equipment.

**Evacuation** - The orderly movement of people from a place of danger.

**Evacuation Diagram** - Emergency and evacuation information about the facility, comprising a pictorial representation of a floor or area and other relevant emergency response information.

**External Emergency** - An event that arises externally to the site and may necessitate allocation of resources to an external site or preparation for reception of a significant number of victims (or both).

**Facility** - A building, structure or workplace that is, or may be, occupied by people (occupants).

**Internal Emergency** - A sudden event which arises internally and which may be caused by an internal or external source, and may adversely affect the safety of persons in the site, requiring an immediate response by the occupants.

**Medical Emergency** - Any event in which trained personnel are required to respond effectively to a medical crisis within or beyond the accepted routine of the site or facility.

**Mobility Impaired Person** - A person with physical, mental or sensory impairment, either temporary or permanent, who requires assistance during emergency evacuation.

**Must** - Indicates that a statement is mandatory.

**Occupant** - A person attending a facility on a permanent or temporary basis, such as an employee, contractor, student or resident, but not a visitor.

**Occupant/visitor with a disability** - A person who requires:

- More time or difference forms of communication, compared with other occupants, to respond to an emergency; or
- Assistance to respond to an emergency or evacuate from a facility.

**Personal emergency evacuation plan (PEEP)** - An individualised emergency plan designed for an occupant with a disability who may need assistance during an emergency.

**Refuge** - An area on a floor or area that is specifically designed to protect people from heat, smoke and toxic gases and which provides direct access to an exit.

**Safe place** -

- A place of safety within a building, structure or workplace which is not under threat from an emergency; and from which people are able to disperse after escaping the effect of an emergency to a road or open space.
- A roadside or open space.

**Training exercise** - An activity simulating an emergency event through activation of alarms and deployment of personnel, in order to:

- Review/test the planning process and procedures;
- Identify needs and planning inadequacies;
- Demonstrate capabilities and communication; and
- Foster working together as a team.



**Visitor** - A person who is within a facility who is temporarily visiting the facility and is not:

- Employed at or for the facility, either on a permanent casual, temporary, contracting basis;
- A resident; or
- Studying at the facility
- Visitors include customers and clients.

**Warden** - A person available on-site, with clearly defined responsibilities in relation to the facility's emergency plans.

**Warden intercommunication point (WIP)** - The location on a floor or evacuation zone that includes a handset provided through which instructions can be received from the intercommunication panel via the emergency intercom system.

**Worker** - Includes employees, contractors and their employees or subcontractors, owner-drivers, agency staff, apprentices, trainees, outworkers, work experience students and volunteers.

**Workplace** - Any place where work is, or is to be, performed by:

- A person engaged for work for gain or reward, or on a voluntary basis;
- A person conducting a business or undertaking; or
- As defined by the relevant Commonwealth, State and Territory occupational health and safety statutes for the definition of 'workplace'.

## Related Documents

DOCUMENT NAME	REFERENCE NUMBER
Emergency Management	PROC005
Incident Reporting and Corrective Action Procedure	PROC008
Emergency Response Review	FORM030
First Aid Management	SOP160
Records Procedure	PROC009
Spill Response	SOP007
Media and Communications Policy	COM-POL-005

## Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial Issue	EQS Manager	GM EQS	23/08/13
2	Updated the Flood Action plan to ensure no access to flood waters deeper than gumboot height at any time	Team Leader Safety Systems	GM EQS	02/05/14
3	Update Media Policy Flood Action plan update – Important note highlighting water above gumboot height must not be entered	Team Leader Safety Systems	GM EQS	07/09/14
4	Template/Rebrand Update	Safety Systems Manager	GM EQS	02/01/16
5	Deleted Gum Boot Height in Flood Action Plan, PIRMP tested 14/12/18 ERP reviewed, PIRMP activated on the 23 <sup>rd</sup> and 26 <sup>th</sup> of January 2019 fires.	Compliance Officer	NAT EQS Coordinator	22/03/19
6	PIRMP tested, 15/04/2020 Emergency Exercise, Diesel Spill ERP reviewed, updated hours of occupancy	E&S Business Partner	Nat. EQS Adviser	15/06/2020

## Appendix 1 – List of Abbreviations

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<b>AS</b>	Australian Standard
<b>ECO</b>	Emergency Control Organisation
<b>ECP</b>	Emergency Control Point
<b>EWIS</b>	Emergency Warning and Intercommunication System
<b>FIP</b>	Fire Indicator Panel
<b>IED</b>	Improvised Explosive Device
<b>PEEP</b>	Personal Emergency Evacuation Plan
<b>WIP</b>	Warden Intercommunication Point

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## Appendix 2 - Notifiable Incidents to SafeWork (NSW)

**SafeWork requires notification of serious injuries immediately. Only EQS Managers and Site Managers are permitted to contact SafeWork. Other Senior Managers may be authorised to respond, as appropriate.**

### WHICH INJURIES ARE NOTIFIABLE?

#### 1. Serious workplace injuries

- Death
- Medical treatments within 48 hours of exposure to a substance
- Immediate treatment as an in-patient in a hospital
- Immediate medical treatment for:
  - Amputation
  - Serious head injury
  - Serious eye injury
  - Separation of skin from underlying tissue (e.g. de-gloving, scalping)
  - Electric shock
  - Spinal injury
  - Loss of body function (including loss of consciousness)
  - Serious laceration

#### 2. Incidents involving certain equipment

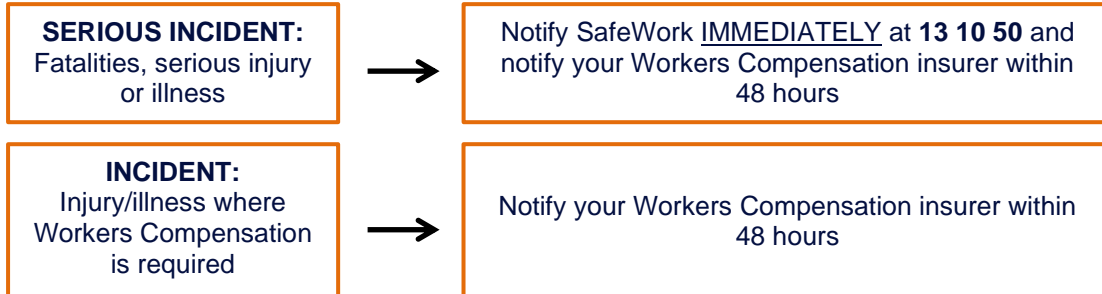
- Collapse, overturning, failure or malfunction of, or damage to certain items of plant
- Collapse or failure of an excavation or the shoring support of an excavation

#### 3. Other incidents that seriously endanger the health and safety of people in the immediate vicinity

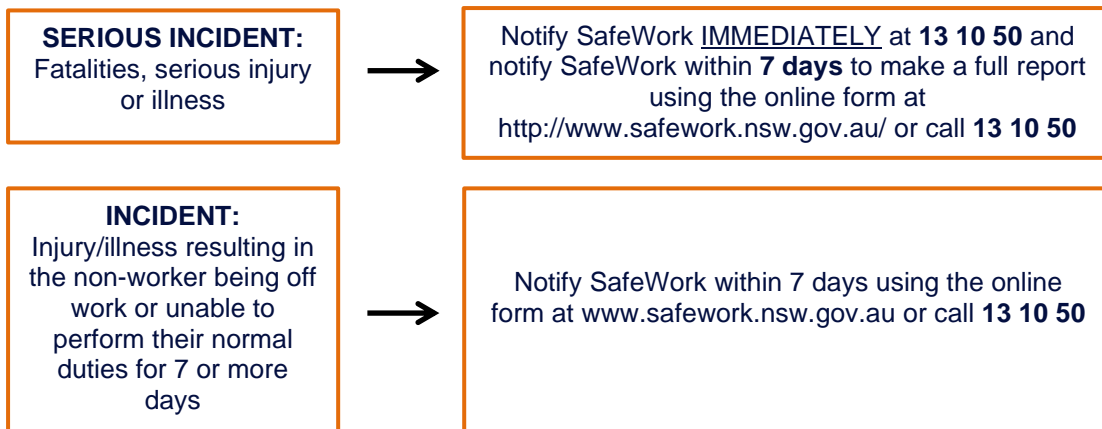
- Collapse or partial collapse of a building or structure
- Implosion, explosion or fire
- Escape, spillage or leakage of substances (under the Dangerous Goods Act 1985)
- Objects of substance falling from a height

## HOW DO I NOTIFY SafeWork?

### 1. Incidents involving injury or illness to WORKERS



### 2. Incidents involving injury or illness to NON-WORKERS (e.g. visitors)



### 3. Other incidents that seriously endanger the health and safety of people in the immediate vicinity



**NOTE:** Always ensure the incident scene is not disturbed until an inspector arrives. Sites can only be disturbed to protect a person's health or safety, help someone who is injured or to make the site safe.

## Appendix 3 - Notification to EPA (NSW) - Pollution Incidents

### **Licensed Premises:**

In the event an incident has caused or threatened material or serious environmental harm, refer to the site specific 'Pollution Incident Response Management Plan' (PIRMP) Located on the Environment, Quality and Safety System (EQS-System) for detailed instructions.

### **Non-Licensed Premises:**

In the event of an incident the site must, within 24 hours, notify the EPA of the incident to ensure that the EPA is aware of any potential negative environmental impacts and can respond appropriately. Failure to notify the EPA of such an occurrence is an offence and penalties may apply.

Firstly, call 000 if the incident presents an immediate threat to human health or property. Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents.

If the incident does not require an initial combat agency, or once the 000 call has been made, notify the EPA immediately.

### ***HOW DO I NOTIFY THE EPA?***

Verbal Report

Environmental incident notifications must be made using the Environment hotline:  
131 555

### ***WHAT TO INCLUDE IN THE NOTIFICATION:***

The initial notification must include the following details:

- name and telephone number of an appropriate contact person on site
- location of the incident
- time and date of the incident
- nature of the incident
- action taken by the site to minimize any harmful effect to the environment

## Appendix 5 – Personal Emergency Evacuation Plan (PEEP)

### Personal Emergency Evacuation Plan



Refer to Emergency Response Plan (PLAN003) for more information.

Occupant's Name:	.....		
Location:			
Building/Facility	.....		
Floor	.....		
Room Number	.....		
Is an Assistance Animal involved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Are you trained in the emergency response procedures <i>(including the evacuation procedures)?</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Preferred method of receiving updates to the emergency response procedures: <i>(Please state, e.g. text, email, Braille etc.)</i>			
.....			
Preferred method for Notification of Emergency: <i>(Please state, e.g. visual alarm, personal vibrating device, SMS, etc. Add lines as necessary)</i>			
.....			
Type of assistance required: <i>(Please list procedures necessary for assistance. Add lines as necessary)</i>			
.....			
.....			
Equipment required for evacuations: <i>(Please list. Add lines as necessary)</i>			
.....			
.....			

Document title : Personal Emergency Evacuation Plan	Issue date : 30 Sep 15	page 1 of 4
Document # : XXX-XXX-XXX	Version no. : 1	
<i>This document is uncontrolled once printed</i>		


Word copy of this document can be found with PLANS003 on the EQSMS database



## Appendix 6 – Personal Threat Log

### Personal Threat Log

Refer to Emergency Response Plan (PLAN003) for more information.



**GENERAL DETAILS**

Name of Employee/witness: ..... Date: ...../...../.....  
 Chief Warden: ..... Time: .....

**DESCRIPTION OF THE OFFENDER**

Name or Nickname Used: ..... Approx. Age: ..... Sex: .....  
 Nationality: ..... Approx. Height: ..... Build: .....  
 Hair: ..... Posture: ..... Voice: .....  
 Face: .....  
 Distinguishing Marks/Scars: .....  
 Other: .....

**DETAILS OF CLOTHING/EQUIPMENT**

Clothing: .....  
 Weapons: ..... (See below)

**TRANSPORT**

Type of Vehicle: ..... Make: .....  
 Model: ..... Colour: ..... Registration: .....  
 Other: .....

**WEAPONS CHECKLIST**

Handgun:     Pistol     Automatic     Unknown    Other: .....  
 Shoulder:     Rifle     Automatic     Shotgun     Unknown    Other: .....  
 Other Weapons: (e.g. Knife, Metal Bar): .....  
 Colour: ..... Metal: .....  
 Woodwork: .....  
 Sawed off (Look for freshly cut metal on muzzle or irregular butt shape): .....  
 Estimate of Calibre (Size of hole in muzzle): .....  
 If not known, then draw a circle of the approximate size of the muzzle hole

**OTHER COMMENTS**

.....  
 .....

**WITNESSES:** .....

Document title : Personal Emergency Evacuation Plan      Issue date : 30 Sep 15      page 1 of 1  
 Document # : Refer to PLAN003      Version no. : 1  
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Document title : ERP - Wetherill Park Resource Recovery Facility      Issue date :15 June 2020      page 49 of 49  
 Document # : PLANS003.2.14      Version no. : 6  
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## **APPENDIX F      WEATHER DATA**

Time	Dir. Avg (Degrees)	Speed Min (Degrees)	Speed Avg (Degrees)	Air Temp (Degrees Celsius)	Rel.Humidity (%)	Atmos.Pres (hPa)	Rain (mm)	Rain Daily Total (mm)
9/12/2019 0:00	85	0	0.8	20.7	72.7	1016.1	0	
9/12/2019 0:30	77	0.1	1.1	20.7	73.2	1015.9	0	
9/12/2019 1:00	63	0.5	1.4	20.7	74.2	1015.8	0	
9/12/2019 1:30	61	0	0.6	20.8	74.5	1015.5	0	
9/12/2019 2:00	71	0.2	0.6	20.8	74.5	1015.2	0	
9/12/2019 2:30	89	0	0.4	20.7	75.5	1015.1	0	
9/12/2019 3:00	78	0.1	0.7	20.5	76.5	1015	0	
9/12/2019 3:30	69	0.2	0.6	20.5	76.9	1015	0	
9/12/2019 4:00	143	0	0.5	20.8	75.9	1015.1	0	
9/12/2019 4:30	74	0.2	0.8	21	74.7	1015.4	0	
9/12/2019 5:00	70	0.4	1.2	21	74.8	1015.7	0	
9/12/2019 5:30	127	0.2	0.9	21.4	74.1	1015.9	0	
9/12/2019 6:00	92	0.1	0.7	21.4	73.1	1016.1	0	
9/12/2019 6:30	71	0.2	1.3	21.6	72.5	1016.2	0	
9/12/2019 7:00	73	0.7	1.9	22.3	70.2	1016.2	0	
9/12/2019 7:30	76	0.1	1.2	22.8	68	1016.1	0	
9/12/2019 8:00	72	0.4	1.6	22.8	65.4	1016	0	
9/12/2019 8:30	57	0.4	1.7	23.3	64	1015.7	0	
9/12/2019 9:00	32	0.1	1.1	23.3	63	1015.6	0	0
9/12/2019 9:30	353	0.2	1	24.7	58.2	1015.2	0	
9/12/2019 10:00	87	0	1.9	25.4	54.1	1014.7	0	
9/12/2019 10:30	105	0.1	1.2	26.1	50.4	1014.2	0	
9/12/2019 11:00	56	0.3	2	26.3	50.4	1013.7	0	
9/12/2019 11:30	54	0.6	2.4	28	46.1	1013.2	0	
9/12/2019 12:00	77	0.2	0.9	28.7	44.5	1012.6	0	
9/12/2019 12:30	112	0.1	1.5	29.4	46.6	1011.9	0	
9/12/2019 13:00	84	0.5	1.9	29.9	46.2	1011.2	0	
9/12/2019 13:30	49	0.1	2.1	29.4	47.4	1010.7	0	
9/12/2019 14:00	110	0.5	2.7	29.3	48.8	1010.5	0	
9/12/2019 14:30	109	0.5	2.1	28.9	50	1010.2	0	
9/12/2019 15:00	71	0.4	3	27.8	52.7	1010	0	
9/12/2019 15:30	95	0.1	2.2	27	55.9	1009.7	0	
9/12/2019 16:00	75	0.8	2.2	26.8	56.2	1009.5	0	
9/12/2019 16:30	72	0.4	3.1	26.3	58.3	1009.3	0	
9/12/2019 17:00	70	0.2	2.8	25.6	60.4	1009.4	0	
9/12/2019 17:30	72	0.4	2.3	25	62.7	1009.5	0	
9/12/2019 18:00	86	0.5	1.4	24.6	64.5	1009.9	0	
9/12/2019 18:30	105	0.3	1.5	24.1	66.1	1010.2	0	
9/12/2019 19:00	6	0	0.5	23.6	68.2	1010.5	0	
9/12/2019 19:30	62	0.1	1.6	23.2	70.6	1010.5	0	
9/12/2019 20:00	68	0.4	1.2	22.6	71.8	1010.8	0	
9/12/2019 20:30	100	0.2	1.1	22.7	73.1	1011	0	
9/12/2019 21:00	73	0.3	1	22.5	73.7	1010.9	0	
9/12/2019 21:30	115	0	0.5	22.1	75.8	1010.8	0	
9/12/2019 22:00	182	0	0.4	21.9	75.9	1010.6	0	
9/12/2019 22:30	186	0	0.2	21.6	77	1010.3	0	
9/12/2019 23:00	185	0	0.2	21.1	79.3	1010	0	
9/12/2019 23:30	225	0	0.1	20.2	81.8	1009.8	0	
10/12/2019 0:00	255	0	0.3	19.9	84.1	1009.6	0	
10/12/2019 0:30	201	0	0.2	19.8	84.7	1009.2	0	
10/12/2019 1:00	308	0	0.1	19.4	85.5	1009	0	
10/12/2019 1:30	208	0.1	0.4	19.3	87.1	1008.5	0	
10/12/2019 2:00	225	0	0.4	18.9	87.1	1008.2	0	
10/12/2019 2:30	158	0.3	0.4	18.7	87.4	1007.9	0	
10/12/2019 3:00	15	0	0.1	18.5	87.8	1007.5	0	
10/12/2019 3:30	13	0	0.3	18.4	90.2	1007.4	0	
10/12/2019 4:00	338	0.1	0.4	18.4	90.4	1007.3	0	
10/12/2019 4:30	329	0.1	0.5	18.6	90	1007.4	0	
10/12/2019 5:00	211	0	0.2	18.6	90.1	1007.5	0	
10/12/2019 5:30	312	0	0.4	18.6	90.1	1007.5	0	
10/12/2019 6:00	195	0	0.2	19.2	89.2	1007.5	0	
10/12/2019 6:30	256	0	0.6	19.7	87.3	1007.5	0	
10/12/2019 7:00	115	0.1	0.6	20.7	83.5	1007.5	0	
10/12/2019 7:30	35	0	0.5	22.1	75.9	1007.4	0	
10/12/2019 8:00	351	0.1	1	23.5	69.9	1007.2	0	
10/12/2019 8:30	0	0.3	1.3	24.6	65.6	1007	0	
10/12/2019 9:00	0	0.6	1.3	26.2	59.6	1006.6	0	0
10/12/2019 9:30	334	0.1	0.7	27.2	55.2	1006.2	0	
10/12/2019 10:00	4	0.1	0.8	29.3	48.9	1005.9	0	
10/12/2019 10:30	202	0	0.2	31.4	43.4	1005.5	0	
10/12/2019 11:00	40	0.1	0.4	33.5	36.7	1005	0	
10/12/2019 11:30	23	0.1	0.7	35.5	32.8	1004.5	0	
10/12/2019 12:00	70	0.2	0.8	36.5	29.3	1003.9	0	
10/12/2019 12:30	86	0.1	2.1	38.7	20.8	1003.4	0	
10/12/2019 13:00	125	0.5	3.4	33.3	39.3	1003.5	0	
10/12/2019 13:30	105	0.2	2.7	30.7	45.9	1003.9	0	
10/12/2019 14:00	118	1.3	4	28.4	53.2	1003.9	0	
10/12/2019 14:30	113	0.2	1.8	27.3	57.5	1004.1	0	
10/12/2019 15:00	138	0.4	3	25.6	64.4	1004.2	0	
10/12/2019 15:30	125	0.4	2.6	24.2	68	1004.9	0	
10/12/2019 16:00	136	0.2	2.5	23.4	71	1005.1	0	
10/12/2019 16:30	145	1.1	3.4	23.2	65.8	1005.5	0	
10/12/2019 17:00	138	0.2	2.4	22.9	63.3	1006.5	0	
10/12/2019 17:30	144	0.4	2.1	22.2	66.8	1007.3	0	
10/12/2019 18:00	139	0.4	3.4	21.2	68.4	1007.4	0	
10/12/2019 18:30	135	1.8	3.3	20.9	68.9	1008.3	0	
10/12/2019 19:00	146	0.2	2.5	20.2	71.7	1008.9	0	
10/12/2019 19:30	141	1.6	3.3	19.8	72.1	1009.8	0	
10/12/2019 20:00	130	0.6	2.3	19.7	71.8	1010.5	0	
10/12/2019 20:30	140	0.4	2.3	19.5	70.2	1011.1	0	
10/12/2019 21:00	157	0.3	1.6	19.2	69.9	1011.6	0	

10/12/2019 21:30	176	0.1	1	19.2	69.5	1011.7	0	
10/12/2019 22:00	175	0.3	1.7	19.3	68.7	1011.8	0	
10/12/2019 22:30	181	0.2	3.6	19	67.8	1012	0	
10/12/2019 23:00	183	0.6	1.7	18.7	67.7	1011.9	0	
10/12/2019 23:30	185	0.5	1.6	18.6	65.9	1011.8	0	
11/12/2019 0:00	165	0.5	2.2	18.1	66.8	1011.6	0	
11/12/2019 0:30	173	0.3	1.3	17.5	67	1011.6	0	
11/12/2019 1:00	178	0.6	2.6	17.5	66.9	1011	0	
11/12/2019 1:30	180	0.1	1.9	18	65.1	1010.7	0	
11/12/2019 2:00	165	0.6	1.8	18.3	64	1010.3	0	
11/12/2019 2:30	177	0.5	2.5	18.3	62.8	1010.3	0	
11/12/2019 3:00	207	0	0.6	18.7	61.7	1010.1	0	
11/12/2019 3:30	47	0.1	0.8	18.4	61.9	1010.1	0	
11/12/2019 4:00	167	0	0.6	18.5	62	1010.3	0	
11/12/2019 4:30	210	0.1	0.8	18.6	60.4	1010.2	0	
11/12/2019 5:00	188	0	0.4	18.2	61.8	1010.5	0	
11/12/2019 5:30	65	0	0.3	18.5	60.9	1010.6	0	
11/12/2019 6:00	138	0.1	0.3	18.8	59.6	1010.6	0	
11/12/2019 6:30	189	0	0.3	18.9	59.8	1011	0	
11/12/2019 7:00	168	0.7	1.6	18.9	62.2	1011	0	
11/12/2019 7:30	175	0.5	2.2	19	62.2	1011	0	
11/12/2019 8:00	188	0	0.6	19	60.8	1011	0	
11/12/2019 8:30	44	0	0.5	19.9	59.2	1010.7	0	
11/12/2019 9:00	128	0.1	1	20.6	58	1010.4	0.07	0.07
11/12/2019 9:30	212	0.1	1	21.2	55.1	1010.3	0	
11/12/2019 10:00	150	0.1	0.7	21.3	53.2	1009.9	0	
11/12/2019 10:30	226	0.1	0.8	22.4	51.9	1009.8	0	
11/12/2019 11:00	172	0.8	2	23.3	48.9	1009.1	0	
11/12/2019 11:30	78	0.1	1.2	22.9	49.3	1008.7	0	
11/12/2019 12:00	40	0.2	1.6	23.2	49.7	1008.1	0	
11/12/2019 12:30	167	0	0.6	25.6	44	1007.6	0	
11/12/2019 13:00	70	0.2	2	25.5	45.7	1007.2	0	
11/12/2019 13:30	139	0.9	2.7	25.6	45.3	1007	0	
11/12/2019 14:00	151	1.6	3.4	25.4	46.9	1006.9	0	
11/12/2019 14:30	125	0.3	2.8	24.3	50.1	1006.7	0	
11/12/2019 15:00	139	0.2	2.3	23.8	51.6	1006.5	0	
11/12/2019 15:30	135	0.3	2.8	23.2	53.7	1006.4	0	
11/12/2019 16:00	134	0.8	2.7	22.2	57.4	1006.1	0	
11/12/2019 16:30	140	2	3.9	21.5	59.3	1006.4	0	
11/12/2019 17:00	140	0.6	2.3	20.4	62.5	1006.8	0	
11/12/2019 17:30	140	0.7	2.6	20.5	63.3	1007	0	
11/12/2019 18:00	136	0.1	2.2	20.3	63.9	1007.5	0	
11/12/2019 18:30	137	0.7	2.3	20	64.8	1008.3	0	
11/12/2019 19:00	146	1.2	2.8	19.8	65.8	1009.1	0	
11/12/2019 19:30	143	0.4	2.6	19.4	65.9	1009.5	0	
11/12/2019 20:00	145	0.7	1.7	19.4	67.5	1009.7	0	
11/12/2019 20:30	154	0.2	1.9	18.9	68.8	1009.9	0	
11/12/2019 21:00	154	0.8	2.1	18.9	69.8	1010.1	0	
11/12/2019 21:30	148	0.9	2	18.8	67.9	1010.1	0	
11/12/2019 22:00	167	0.4	2.1	19.1	67.3	1009.9	0	
11/12/2019 22:30	150	0.6	1.5	18.9	67.4	1009.7	0	
11/12/2019 23:00	164	0.4	1.8	18.6	68.6	1009.5	0	
11/12/2019 23:30	174	0.2	1.7	18.5	70.2	1009.3	0	
12/12/2019 0:00	182	0.7	2.1	18.4	69.1	1009	0	
12/12/2019 0:30	184	0.4	2.4	18.5	68.2	1008.8	0	
12/12/2019 1:00	183	0.8	2.5	18.5	68.4	1008.6	0	
12/12/2019 1:30	183	0	0.4	18.6	68.5	1008.2	0	
12/12/2019 2:00	157	0.2	0.8	18.4	69.2	1008	0	
12/12/2019 2:30	152	0	0.4	18.4	68.9	1007.8	0	
12/12/2019 3:00	183	0.4	1.7	18.4	68.4	1007.8	0	
12/12/2019 3:30	136	0.2	0.9	18.5	67.6	1007.8	0	
12/12/2019 4:00	124	0	0.4	18.7	67.8	1007.9	0	
12/12/2019 4:30	126	0	0.2	18.7	68.1	1008.2	0	
12/12/2019 5:00	152	0.1	0.4	18.6	68.1	1008.5	0	
12/12/2019 5:30	167	0.5	1	18.5	68	1008.7	0	
12/12/2019 6:00	127	0.8	1.5	18.7	68.2	1008.7	0	
12/12/2019 6:30	195	0.1	0.8	18.7	67.5	1008.7	0	
12/12/2019 7:00	176	0.7	1.2	19.4	65.2	1009	0	
12/12/2019 7:30	163	0.3	1.6	19.6	64.4	1009.3	0	
12/12/2019 8:00	138	0.4	1.5	20.4	62	1009.1	0	
12/12/2019 8:30	55	0.1	0.9	20.5	59.1	1008.9	0	
12/12/2019 9:00	147	0.8	1.9	21.2	55.7	1008.8	0	0
12/12/2019 9:30	72	0.3	1.4	21.9	53.2	1008.4	0	
12/12/2019 10:00	243	0	0.5	23.3	49.2	1008.1	0	
12/12/2019 10:30	119	0.3	1.6	23.7	47.4	1008	0	
12/12/2019 11:00	103	0.2	1.3	24.1	44.5	1007.7	0.02	
12/12/2019 11:30	100	0.3	2.4	25.7	42.8	1007.3	0.02	
12/12/2019 12:00	78	0.3	1.9	25.2	45.5	1006.9	0.02	
12/12/2019 12:30	145	0.2	1.8	24.2	48.4	1006.7	0.02	
12/12/2019 13:00	121	0.5	2.5	24.2	49	1006.7	0.02	
12/12/2019 13:30	102	1.2	2.9	23.6	49.7	1006.5	0.02	
12/12/2019 14:00	136	1.5	3.7	22.3	53.4	1006.5	0.02	
12/12/2019 14:30	124	0.5	2.7	21.8	54.7	1006.5	0.02	
12/12/2019 15:00	109	0.2	1.8	22.5	54	1006.5	0.02	
12/12/2019 15:30	128	0.4	2.4	22.1	55.8	1006.8	0.02	
12/12/2019 16:00	92	0.2	2.2	21.9	55.8	1006.8	0.02	
12/12/2019 16:30	148	0.6	2.4	21.1	58.3	1006.9	0.02	
12/12/2019 17:00	136	0.4	2.3	20.5	60.2	1007.5	0.02	
12/12/2019 17:30	130	0.4	2.4	20.1	61.1	1008	0.02	
12/12/2019 18:00	118	1.2	2.2	20	62.1	1008.5	0.02	
12/12/2019 18:30	128	0.9	1.8	20	61.2	1009	0.02	
12/12/2019 19:00	117	0.3	1.1	19.8	62	1009.6	0.02	
12/12/2019 19:30	101	0.1	1.1	19.7	62.3	1010.1	0.02	
12/12/2019 20:00	145	1.1	1.9	19.6	62.9	1010.6	0.02	
12/12/2019 20:30	133	0.4	1.3	19.5	64.3	1010.8	0.02	

12/12/2019 21:00	127	0.5	1.7	18.9	69.1	1011.4	0.02	
12/12/2019 21:30	174	0.2	1.6	18.7	69.8	1011.5	0.02	
12/12/2019 22:00	171	0.2	1.1	17.3	82.5	1011.7	0.02	
12/12/2019 22:30	184	0.7	1.6	16.5	86.7	1011.7	0.02	
12/12/2019 23:00	186	0.2	0.9	16.7	84.9	1011.5	0.02	
12/12/2019 23:30	186	0.1	0.5	17.3	82.2	1011.1	0.02	
13/12/2019 0:00	115	0	0.1	17.4	78.7	1011	0.02	
13/12/2019 0:30	191	0	0.3	17.5	77.8	1010.9	0.02	
13/12/2019 1:00	14	0	0.2	17.5	77.6	1010.7	0.02	
13/12/2019 1:30	171	0	0.4	17.3	79.8	1010.1	0.02	
13/12/2019 2:00	351	0	0.4	17.2	79.2	1009.7	0.02	
13/12/2019 2:30	270	0	0.4	17.3	80.1	1009.4	0.02	
13/12/2019 3:00	189	0	0.2	17.3	79.9	1009.1	0.02	
13/12/2019 3:30	354	0	0.3	17.5	77.6	1009.2	0.02	
13/12/2019 4:00	130	0	0.4	17.4	75.7	1009	0.02	
13/12/2019 4:30	140	0	0.3	17.3	75.7	1009.1	0.02	
13/12/2019 5:00	165	0.1	0.5	17.2	75.2	1009.3	0.02	
13/12/2019 5:30	191	0	0.7	17.8	72.5	1009.5	0.02	
13/12/2019 6:00	162	0.1	0.9	18.1	72	1009.6	0.02	
13/12/2019 6:30	162	0.1	0.5	18.4	72.5	1010	0.02	
13/12/2019 7:00	150	0.5	0.9	19.1	69.5	1010.3	0.02	
13/12/2019 7:30	140	0.5	1.5	20.2	65.2	1010.5	0.02	
13/12/2019 8:00	113	0.1	1.4	20.5	64	1010.4	0.02	
13/12/2019 8:30	119	0.1	0.7	20.7	61.8	1010.3	0.02	
13/12/2019 9:00	179	0.5	1.7	20.2	64	1010.1	0.02	0.02
13/12/2019 9:30	130	0.8	1.8	21.1	58.2	1009.8	0	
13/12/2019 10:00	160	0.1	1.2	21.6	55.6	1009.3	0	
13/12/2019 10:30	16	0.3	1.3	22.1	53.7	1008.9	0	
13/12/2019 11:00	126	0.2	1.3	22.7	51.4	1008.8	0	
13/12/2019 11:30	96	0.3	2.6	24.8	45.5	1008.3	0	
13/12/2019 12:00	96	0.2	1.4	24.4	45.8	1008	0	
13/12/2019 12:30	106	0.2	2.1	24.4	47.3	1007.7	0	
13/12/2019 13:00	88	0.4	1.9	23.7	48	1007.3	0	
13/12/2019 13:30	77	0.3	2.5	23.5	51.6	1007.2	0	
13/12/2019 14:00	105	0.2	1.6	24.3	48.9	1007	0	
13/12/2019 14:30	77	0.4	2.2	23.5	51.4	1006.7	0	
13/12/2019 15:00	105	0.7	3.2	23.5	52.4	1006.4	0	
13/12/2019 15:30	83	0.4	2.1	23.2	53.8	1006.3	0	
13/12/2019 16:00	91	1.1	2.5	22.9	55.5	1006.2	0	
13/12/2019 16:30	113	0.2	1.6	22.4	58.8	1006.1	0	
13/12/2019 17:00	95	0.6	1.9	22.2	59.2	1006.1	0	
13/12/2019 17:30	114	0.2	2.1	21.5	61.9	1006.4	0	
13/12/2019 18:00	94	0.1	0.8	21.2	63.5	1006.6	0	
13/12/2019 18:30	117	0.1	1	20.9	65.3	1006.7	0	
13/12/2019 19:00	104	0.4	1.5	20.8	66.8	1006.9	0	
13/12/2019 19:30	119	0.1	0.7	20.8	66.3	1007.1	0	
13/12/2019 20:00	116	0.4	1.5	20.7	65.1	1007.3	0	
13/12/2019 20:30	111	0.3	1.7	20.7	65.8	1007.7	0	
13/12/2019 21:00	56	0.3	1.2	20.6	66.4	1008.1	0	
13/12/2019 21:30	136	0	0.4	20.5	67.5	1008.3	0	
13/12/2019 22:00	177	0	0.2	20.4	68.3	1008.1	0	
13/12/2019 22:30	296	0	0.2	20.1	69.3	1008.1	0	
13/12/2019 23:00	212	0	0.1	20.2	69.3	1008	0	
13/12/2019 23:30	214	0	0.1	19.9	70.2	1007.5	0	
14/12/2019 0:00	207	0.1	0.2	19.5	72.2	1007.3	0	
14/12/2019 0:30	178	0	0.1	19.2	73.9	1007.1	0	
14/12/2019 1:00	153	0	0.2	19.2	74.3	1006.9	0	



14/12/2019 1:30	205	0	0.1	19	74.6	1006.5	0	
14/12/2019 2:00	313	0	0.2	18.7	75.6	1006.3	0	
14/12/2019 2:30	185	0	0.1	18	78.6	1006.1	0	
14/12/2019 3:00	195	0.3	0.3	17.9	79.9	1005.9	0	
14/12/2019 3:30	251	0	0.2	18.7	77.5	1005.5	0	
14/12/2019 4:00	130	0	0.2	19	76.6	1005.7	0	
14/12/2019 4:30	334	0.2	0.5	18.9	76.5	1005.6	0	
14/12/2019 5:00	219	0	0.4	18	79.4	1005.6	0	
14/12/2019 5:30	131	0	0.1	18.4	79.7	1005.8	0	
14/12/2019 6:00	157	0	0.6	19.5	74.1	1006.1	0	
14/12/2019 6:30	72	0	0.2	20.7	69	1006.1	0	
14/12/2019 7:00	258	0	0.4	20.9	66.5	1006.2	0	
14/12/2019 7:30	326	0.1	0.6	21.5	64.2	1006.2	0	
14/12/2019 8:00	13	0.1	0.7	22.2	60.8	1006.2	0	
14/12/2019 8:30	321	0	1	23.3	56.9	1006.1	0	
14/12/2019 9:00	145	0.1	1	23.7	55.4	1005.7	0	0
14/12/2019 9:30	50	0.3	1.6	24.4	52.4	1005.2	0	
14/12/2019 10:00	61	1.3	2.4	25.2	48.7	1004.9	0	
14/12/2019 10:30	83	0.2	2.1	25.5	46.2	1004.6	0	
14/12/2019 11:00	347	0.2	1.4	27.3	39	1004.1	0	
14/12/2019 11:30	341	0	1.5	27.6	32.4	1003.7	0	
14/12/2019 12:00	58	0.5	1.3	28.9	29.8	1003.2	0	
14/12/2019 12:30	36	0.1	1.4	29.3	28.4	1002.4	0	
14/12/2019 13:00	93	0.2	0.9	30.8	26.8	1002	0	
14/12/2019 13:30	121	1.3	3.2	30.1	41.7	1001.6	0	
14/12/2019 14:00	132	0.6	2.4	29.1	43.7	1001.5	0	
14/12/2019 14:30	121	0.5	3.3	27.3	50	1001.5	0	
14/12/2019 15:00	122	0.5	3.6	26.3	51.9	1001.7	0	
14/12/2019 15:30	129	0.3	3.1	25.8	53.5	1002	0	
14/12/2019 16:00	117	0.8	3.4	25.7	54.7	1002.2	0	
14/12/2019 16:30	140	2.1	3.7	25.1	56.4	1002.6	0.01	
14/12/2019 17:00	105	0.9	2.9	24.3	60.4	1003	0.01	
14/12/2019 17:30	108	0.2	2.1	23.4	64	1003.9	0.01	
14/12/2019 18:00	137	1.2	3.6	23	68.3	1004.5	0.01	
14/12/2019 18:30	133	1.4	2.5	22.6	71.9	1005	0.01	
14/12/2019 19:00	141	0.4	2.7	22.4	72.7	1005.5	0.01	
14/12/2019 19:30	142	0.6	2.1	22	73.2	1005.8	0.01	
14/12/2019 20:00	142	0.2	2.2	21.6	75.3	1006.2	0.01	
14/12/2019 20:30	164	0.6	2.5	21.2	76.5	1006.8	0.01	
14/12/2019 21:00	132	0.9	1.7	20.8	78.1	1007.2	0.01	
14/12/2019 21:30	132	1	2.5	20.7	78.4	1007.7	0.01	
14/12/2019 22:00	149	0	1.3	20.6	78.3	1007.7	0.01	
14/12/2019 22:30	136	0.1	1.3	20.6	78.3	1007.7	0.01	
14/12/2019 23:00	142	0.3	2.2	20.6	78.3	1007.3	0.01	
14/12/2019 23:30	139	0.1	1.7	20.8	76.7	1007.2	0.01	
15/12/2019 0:00	131	0.4	1.1	20.7	76.6	1007.2	0.01	
15/12/2019 0:30	164	1.3	1.9	20.7	76.2	1006.8	0.01	
15/12/2019 1:00	155	0.6	1.4	20.7	75.8	1006.8	0.01	
15/12/2019 1:30	149	0.8	1.8	20.5	77.8	1006.5	0.01	
15/12/2019 2:00	141	0.3	1.1	20.2	79.3	1006.3	0.01	
15/12/2019 2:30	136	0.5	1	20	79.2	1006	0.01	
15/12/2019 3:00	162	0.7	1.7	19.9	79.3	1005.8	0.01	
15/12/2019 3:30	236	0	0.4	19.9	78.3	1005.4	0.01	
15/12/2019 4:00	142	0	0.1	20	79.1	1005.4	0.01	
15/12/2019 4:30	9	0	0.4	19.9	78.6	1005.7	0.01	
15/12/2019 5:00	22	0	0.2	19.5	79.1	1005.6	0.01	
15/12/2019 5:30	188	0	0.2	19.2	81	1005.6	0.01	
15/12/2019 6:00	128	0	0.3	19.5	79.5	1005.5	0.01	
15/12/2019 6:30	50	0.1	0.4	20.9	74.5	1005.9	0.01	
15/12/2019 7:00	0	0.1	0.4	21.7	71.5	1006	0.01	
15/12/2019 7:30	9	0.1	0.9	22	69.4	1006	0.01	
15/12/2019 8:00	343	0.3	1.2	22.7	66.8	1005.4	0.01	
15/12/2019 8:30	355	0.7	1.8	22.8	64.3	1004.9	0.01	
15/12/2019 9:00	12	0.2	1.1	23.5	60.5	1004.7	0.01	0.01
15/12/2019 9:30	15	0.3	1.9	25	56	1004.2	0	
15/12/2019 10:00	17	0.6	1.7	26.1	50.3	1003.7	0	
15/12/2019 10:30	40	0.2	2.1	26.9	44.6	1003.1	0	
15/12/2019 11:00	358	0.1	1.5	28.2	41.1	1002.4	0	
15/12/2019 11:30	60	0.3	3	29.5	38.1	1001.7	0	
15/12/2019 12:00	321	0.2	1	29.8	35.8	1001.2	0	
15/12/2019 12:30	21	0.2	1.6	30.2	35	1000.6	0	
15/12/2019 13:00	329	0	0.6	30.5	33.4	1000	0	
15/12/2019 13:30	59	0.8	2.1	31.1	32.9	999.5	0	
15/12/2019 14:00	32	0.2	1.7	32.4	32.1	999.3	0	
15/12/2019 14:30	120	0.2	1.5	31.4	41.7	999	0	
15/12/2019 15:00	91	1.2	3	29.9	47.1	998.7	0	
15/12/2019 15:30	115	0.4	1.6	29.1	49.7	998.9	0	
15/12/2019 16:00	101	0.4	1.3	29	49.7	998.8	0	
15/12/2019 16:30	85	0.4	1.9	29	48.2	998.7	0	
15/12/2019 17:00	114	0.1	1	28.7	51.4	998.7	0	
15/12/2019 17:30	101	0.2	1.5	28.3	53.9	998.9	0	
15/12/2019 18:00	134	0	0.3	27.8	56.4	999.1	0	
15/12/2019 18:30	124	0.5	1.3	26.9	60.2	999.1	0	
15/12/2019 19:00	85	0.4	1.2	26.2	62.5	999.4	0	
15/12/2019 19:30	147	0.2	0.7	25.9	63.8	999.6	0	
15/12/2019 20:00	106	0	0.3	25.4	65.7	999.7	0	
15/12/2019 20:30	181	0.3	0.5	25.2	66.4	1000.1	0	
15/12/2019 21:00	208	0	0.2	24.7	68.5	1000.4	0	
15/12/2019 21:30	319	0.1	0.4	23.8	70.9	1000.5	0	
15/12/2019 22:00	298	0.1	0.3	23	76.1	1000.8	0	
15/12/2019 22:30	131	0	0.2	23	76.3	1000.8	0	
15/12/2019 23:00	329	0	0.2	22.6	77.2	1000.8	0	
15/12/2019 23:30	328	0.4	0.5	22.5	78.8	1000.8	0	
16/12/2019 0:00	185	0	0.3	22.2	74.6	1000.6	0	
16/12/2019 0:30	193	0	0.3	22.7	63.7	1000.4	0	

16/12/2019 1:00	192	0	0.2	22.5	67	1000.2	0	
16/12/2019 1:30	203	0	0.2	21.7	61.3	1000.1	0	
16/12/2019 2:00	228	0	0.1	21	56.7	1000.2	0	
16/12/2019 2:30	101	0.5	0.9	21.6	28.5	1000.4	0	
16/12/2019 3:00	141	0.3	2	21.8	69.1	1001	0	
16/12/2019 3:30	135	1.1	3	20.8	75.3	1001.5	0	
16/12/2019 4:00	148	0.7	2.5	20	76.2	1002	0	
16/12/2019 4:30	139	0.6	1.3	19.5	77.6	1002.5	0	
16/12/2019 5:00	137	0.6	2.2	19.2	78.4	1003.1	0	
16/12/2019 5:30	133	0.7	2	19.4	76.4	1003.6	0	
16/12/2019 6:00	177	0.1	0.8	19.5	73.1	1004.2	0	
16/12/2019 6:30	164	0.3	1.5	20.6	68.9	1005	0	
16/12/2019 7:00	153	0.4	1.5	20.6	65.8	1005.4	0	
16/12/2019 7:30	132	0.5	2	22.4	57.3	1005.9	0	
16/12/2019 8:00	158	0.3	2.4	22.1	59.6	1006.2	0	
16/12/2019 8:30	129	0.3	2.1	22.9	55.1	1006.4	0	
16/12/2019 9:00	141	0.3	2	22.8	52.7	1006.6	0	0
16/12/2019 9:30	132	0.4	2.7	23.8	49.7	1006.9	0	
16/12/2019 10:00	139	0.4	2.8	24.6	47.1	1007.3	0	
16/12/2019 10:30	150	0.1	2	24.6	46.3	1007.3	0	
16/12/2019 11:00	168	0.8	1.9	23.9	49	1007.3	0	
16/12/2019 11:30	108	0.2	2.8	23.9	49.8	1007.4	0	
16/12/2019 12:00	139	1.7	3.9	23.9	50.7	1007.4	0	
16/12/2019 12:30	132	0.8	4.4	24.1	48	1007.4	0	
16/12/2019 13:00	140	0.7	3.5	23.7	48	1007.5	0	
16/12/2019 13:30	142	1.1	4.5	23.8	47.8	1007.9	0	
16/12/2019 14:00	143	1.2	2.8	23.7	49	1008.1	0	
16/12/2019 14:30	144	1.9	4	22.6	51.7	1008.4	0	
16/12/2019 15:00	142	0.1	3	22.8	49.5	1008.4	0	
16/12/2019 15:30	113	0.4	2.4	22.7	47	1008.9	0	
16/12/2019 16:00	145	0.3	3	22.4	46.6	1009.2	0	
16/12/2019 16:30	148	0.6	3.2	21.9	46.1	1009.5	0	
16/12/2019 17:00	147	0.7	2.5	21.4	48.8	1010	0	
16/12/2019 17:30	131	1.6	3.6	20.7	51.8	1010.3	0	
16/12/2019 18:00	147	1.5	2.7	20.2	56	1011	0	
16/12/2019 18:30	148	0.4	2.6	20.1	58	1011.6	0	
16/12/2019 19:00	145	0.1	1.4	19.9	60.2	1012.1	0	
16/12/2019 19:30	138	0.8	2.7	19.6	61.7	1012.4	0	
16/12/2019 20:00	137	0.7	2.1	19.4	64.5	1012.6	0	
16/12/2019 20:30	138	0	0.6	19.5	66.4	1013.1	0	
16/12/2019 21:00	154	1.3	2.3	19.4	66.3	1013.4	0	
16/12/2019 21:30	131	1.1	2.1	19.3	65.3	1013.6	0	
16/12/2019 22:00	121	0.2	0.8	19.1	65.9	1013.7	0	
16/12/2019 22:30	171	0	0.8	18.9	67.2	1013.7	0	
16/12/2019 23:00	160	0.3	1.2	18.5	68.4	1013.7	0	
16/12/2019 23:30	179	0.3	1.5	18.5	66.5	1013.5	0	
17/12/2019 0:00	167	0.9	1.9	18.1	68.4	1013.4	0	
17/12/2019 0:30	191	0.1	0.6	17.5	70.5	1013.1	0	
17/12/2019 1:00	151	0	0.2	17.2	72.7	1012.9	0	
17/12/2019 1:30	122	0	0.3	16.6	73.4	1012.8	0	
17/12/2019 2:00	181	0.1	0.8	16.2	75.1	1012.5	0	
17/12/2019 2:30	177	0.2	0.4	16	75.5	1012.3	0	
17/12/2019 3:00	178	0.1	0.3	15.6	77.1	1012.3	0	
17/12/2019 3:30	271	0	0.2	15.2	77.6	1012.4	0	
17/12/2019 4:00	170	0	0.3	15	79.2	1012.8	0	
17/12/2019 4:30	178	0	0.3	14.7	80.2	1013.4	0	
17/12/2019 5:00	252	0	0.1	14.5	80.7	1013.5	0	
17/12/2019 5:30	353	0	0.2	15.4	80.9	1013.7	0	
17/12/2019 6:00	184	0.2	1.4	17.7	69.3	1014	0	
17/12/2019 6:30	153	0.4	1	18.8	63.2	1014.2	0	
17/12/2019 7:00	135	0.2	1.4	19.9	60.3	1014.5	0	
17/12/2019 7:30	165	0.1	0.7	20.6	55.9	1014.9	0	
17/12/2019 8:00	39	0.1	0.5	20.9	52.3	1014.9	0	
17/12/2019 8:30	106	0.1	1.6	21.6	47.4	1014.8	0	
17/12/2019 9:00	125	0.2	1.3	22.3	45.1	1014.8	0	0
17/12/2019 9:30	56	0.1	0.5	22.6	42.2	1014.7	0	
17/12/2019 10:00	190	0.2	0.9	24	39.5	1014.4	0	
17/12/2019 10:30	147	0.7	1.5	24.1	39.8	1014.3	0	
17/12/2019 11:00	156	0.1	1.5	25.6	37.8	1014.3	0	
17/12/2019 11:30	92	0.2	2.3	25.9	38.4	1014	0	
17/12/2019 12:00	96	0.3	2	25.3	39	1013.7	0	
17/12/2019 12:30	124	1.1	3	26.3	38.6	1013.4	0	
17/12/2019 13:00	105	0.3	1.8	26.3	37.8	1013.2	0	
17/12/2019 13:30	105	0.6	2.7	26.7	37.3	1013.1	0	
17/12/2019 14:00	93	0.2	1.4	26.7	37.6	1012.9	0	
17/12/2019 14:30	133	0.8	3.2	26.5	37.6	1012.8	0	
17/12/2019 15:00	69	0.7	2.9	26	38.2	1012.7	0	
17/12/2019 15:30	104	0.1	0.9	25.6	39.5	1012.6	0	
17/12/2019 16:00	108	0.7	2.6	25	41	1012.7	0	
17/12/2019 16:30	78	0.2	1.4	24.3	42.8	1012.8	0	
17/12/2019 17:00	155	0	0.9	24	43	1013.2	0	
17/12/2019 17:30	114	0.3	2.3	23.3	45.9	1013.5	0	
17/12/2019 18:00	114	0.9	2.5	22.1	49.2	1014	0	
17/12/2019 18:30	96	1.1	2.1	21.9	51.4	1014.5	0	
17/12/2019 19:00	121	0.5	1.6	21.2	54	1015.1	0	
17/12/2019 19:30	102	0.4	1.2	20.8	56.9	1015.2	0	
17/12/2019 20:00	78	0.3	1.4	20.4	59.1	1015.4	0	
17/12/2019 20:30	80	0.2	1.1	20.2	62	1015.7	0	
17/12/2019 21:00	309	0	0.1	19.8	63.5	1015.9	0	
17/12/2019 21:30	147	0	0.3	18.9	67.1	1016.2	0	
17/12/2019 22:00	119	0	0.1	18.3	70.1	1016.1	0	
17/12/2019 22:30	208	0	0.2	18	71.8	1016	0	
17/12/2019 23:00	152	0.3	0.5	17.6	74.6	1015.9	0	
17/12/2019 23:30	155	0	0.1	17.1	76.2	1015.8	0	
18/12/2019 0:00	178	0	0.2	16.6	78.9	1015.4	0	



18/12/2019 0:30	130	0	0.2	16.3	80.1	1015	0	
18/12/2019 1:00	108	0	0.1	16.5	81.7	1014.6	0	
18/12/2019 1:30	143	0	0.2	16.4	83.7	1014.5	0	
18/12/2019 2:00	264	0	0.2	16	82.5	1014.1	0	
18/12/2019 2:30	144	0	0.2	15.8	84.6	1014.1	0	
18/12/2019 3:00	179	0.1	0.2	15.7	84.1	1014.1	0	
18/12/2019 3:30	166	0.1	0.3	15.6	83.5	1014	0	
18/12/2019 4:00	170	0	0.2	15.6	81.5	1014.1	0	
18/12/2019 4:30	183	0	0.2	15.5	81.7	1014.2	0	
18/12/2019 5:00	170	0	0.1	15.4	83.5	1014.2	0	
18/12/2019 5:30	18	0	0.2	15.5	82.6	1014.4	0.01	
18/12/2019 6:00	328	0	0.3	16.5	78.3	1014.6	0.01	
18/12/2019 6:30	352	0.6	1	18.1	71.8	1014.6	0.01	
18/12/2019 7:00	35	0.1	0.9	19.1	68.1	1014.9	0.01	
18/12/2019 7:30	327	0.1	0.7	19.7	63.8	1015	0.01	
18/12/2019 8:00	48	0.5	1.9	20.6	60	1014.9	0.01	
18/12/2019 8:30	335	0.4	2.1	22	50.3	1014.9	0.01	
18/12/2019 9:00	57	0.1	0.8	22.9	45.2	1014.7	0.01	0.01
18/12/2019 9:30	68	0.2	2.3	24.6	38	1014.3	0	
18/12/2019 10:00	88	0.1	1	26	33.3	1014	0	
18/12/2019 10:30	82	1.2	1.9	27.3	27.8	1013.6	0	
18/12/2019 11:00	40	0.3	1.5	27.4	28.4	1013.1	0	
18/12/2019 11:30	48	0.4	1.2	28.6	24.9	1012.5	0	
18/12/2019 12:00	343	0	0.5	30.4	22	1011.9	0	
18/12/2019 12:30	81	0	0.3	31.1	22	1011.4	0	
18/12/2019 13:00	60	0.2	1.6	32.7	21.1	1010.8	0	
18/12/2019 13:30	89	0.2	1.1	32.8	30	1010.2	0	
18/12/2019 14:00	94	0.4	2.7	31.9	34.1	1010	0	
18/12/2019 14:30	123	0.3	2.6	31.1	35.6	1009.6	0	
18/12/2019 15:00	70	0.6	3.5	30.6	36.3	1009.3	0	
18/12/2019 15:30	126	0.3	2.8	30.3	35.5	1009.1	0	
18/12/2019 16:00	120	0.4	1.9	29.1	38.7	1009	0	
18/12/2019 16:30	150	0.1	0.9	28.1	43.4	1008.8	0	
18/12/2019 17:00	99	0.7	2	27.9	45.6	1008.8	0	
18/12/2019 17:30	123	0.1	1.9	27.1	48	1008.9	0	
18/12/2019 18:00	107	0.1	1	26.2	49	1009.2	0	
18/12/2019 18:30	126	0.1	1.2	25.6	51.1	1009.5	0	
18/12/2019 19:00	98	0.1	0.6	24.9	52.8	1009.8	0	
18/12/2019 19:30	65	0.3	1.3	24.5	51.9	1009.9	0	
18/12/2019 20:00	68	0.3	1.1	23.9	54.5	1010.2	0	
18/12/2019 20:30	1	0	0.4	23.3	57.3	1010.4	0	
18/12/2019 21:00	241	0	0.1	22.4	61.5	1010.6	0	
18/12/2019 21:30	164	0	0.1	21.6	64.4	1010.4	0	
18/12/2019 22:00	176	0	0.2	22	65.4	1010.1	0	
18/12/2019 22:30	344	0	0.2	22	65.6	1010.1	0	
18/12/2019 23:00	172	0.2	0.4	21.4	68.4	1009.8	0	
18/12/2019 23:30	281	0	0.3	21.1	69.6	1009.6	0	
19/12/2019 0:00	203	0	0.1	20.5	71.8	1009.3	0	
19/12/2019 0:30	162	0	0.1	20.4	72.1	1008.9	0	
19/12/2019 1:00	185	0	0.2	20.4	71.6	1008.5	0	
19/12/2019 1:30	182	0	0.3	20.4	72.7	1008.2	0	
19/12/2019 2:00	297	0	0.2	19.7	76.4	1007.8	0	
19/12/2019 2:30	175	0	0.1	19	78.2	1007.7	0	
19/12/2019 3:00	320	0	0.2	18.8	78.8	1007.6	0	
19/12/2019 3:30	203	0	0.2	18.7	78.5	1007.4	0	
19/12/2019 4:00	162	0.1	0.2	18.5	79.7	1007.4	0	
19/12/2019 4:30	282	0	0.2	18.2	82.8	1007.4	0	
19/12/2019 5:00	222	0	0.2	18.2	82.6	1007.6	0	
19/12/2019 5:30	307	0.1	0.5	18.5	80.7	1007.9	0	
19/12/2019 6:00	242	0	0.3	19.8	74.9	1008	0	
19/12/2019 6:30	308	0	0.5	21.2	66.4	1008.2	0	
19/12/2019 7:00	324	0.1	0.6	21.8	63.1	1008.3	0	
19/12/2019 7:30	358	0.3	1.2	23.7	58.2	1008	0	
19/12/2019 8:00	19	0.3	1.1	25.1	51.6	1008	0	
19/12/2019 8:30	81	0.1	0.7	27	46.7	1007.5	0	
19/12/2019 9:00	25	0.1	0.9	28.9	40.6	1007.1	0	0
19/12/2019 9:30	348	0.1	1.2	31.9	33.4	1006.9	0	

19/12/2019 10:00	354	0.1	1	33.4	29.8	1006.6	0
19/12/2019 10:30	339	0	1.3	35.4	24.2	1006.3	0
19/12/2019 11:00	50	0.3	1.2	38	18.8	1005.8	0
19/12/2019 11:30	54	0.3	0.9	40	13.7	1005.3	0
19/12/2019 12:00	334	0.1	1.5	41.3	11.8	1005	0
19/12/2019 12:30	67	0	0.6	40.9	12.3	1005	0
19/12/2019 13:00	65	0.3	1.7	40.6	12.6	1004.9	0
19/12/2019 13:30	81	0	1.7	40.7	12.7	1004.6	0
19/12/2019 14:00	346	0	0.5	41.1	12.3	1004.5	0
19/12/2019 14:30	135	0.3	2.1	40.9	11.4	1004.9	0
19/12/2019 15:00	146	0.7	3.7	31.2	32.1	1006.7	0
19/12/2019 15:30	150	2.4	4.3	29.1	26.6	1007.6	0
19/12/2019 16:00	142	0.3	4.7	28.7	26.1	1008	0
19/12/2019 16:30	137	1.9	4.1	27.9	24.7	1008.6	0
19/12/2019 17:00	136	0.2	2	27.3	25	1009.2	0
19/12/2019 17:30	134	0.4	1.8	27.2	25.3	1010.1	0
19/12/2019 18:00	137	0.3	1.9	26.7	22.9	1010.7	0
19/12/2019 18:30	168	0.2	1.6	26.1	23	1011.4	0
19/12/2019 19:00	159	0.2	2	25.4	24.4	1012	0
19/12/2019 19:30	182	1.1	2.5	24.7	27.3	1012.4	0
19/12/2019 20:00	175	0.2	0.7	24	30.2	1012.9	0
19/12/2019 20:30	162	0.4	0.8	23.3	31.8	1013.1	0
19/12/2019 21:00	201	0	0.2	22	37	1013.4	0
19/12/2019 21:30	201	0.1	0.3	20.8	36.1	1013.8	0
19/12/2019 22:00	205	0	0.1	20.2	37.9	1013.7	0
19/12/2019 22:30	123	0	0.2	19.6	38.6	1014.1	0
19/12/2019 23:00	166	0.2	0.5	21.4	31.8	1014.1	0
19/12/2019 23:30	144	0.1	0.4	21.1	34.3	1014.1	0
20/12/2019 0:00	185	0	0.2	19.6	39.8	1014	0
20/12/2019 0:30	160	0.2	0.6	19.3	58.5	1013.8	0
20/12/2019 1:00	138	0.3	1.4	19.3	67.5	1013.8	0
20/12/2019 1:30	152	0.9	1.5	19.1	74.6	1013.6	0
20/12/2019 2:00	134	0.4	0.9	18.9	76.7	1013.5	0
20/12/2019 2:30	149	0	0.5	18.6	78.8	1013.5	0
20/12/2019 3:00	149	0.2	1	18.4	79.9	1013.6	0
20/12/2019 3:30	123	0.1	0.5	18.4	80.5	1013.5	0
20/12/2019 4:00	195	0.2	0.6	18.1	81.2	1013.7	0
20/12/2019 4:30	213	0	0.2	17.8	82.1	1014	0
20/12/2019 5:00	300	0	0.2	17	82	1014.2	0
20/12/2019 5:30	124	0	0.2	17.3	82	1014.4	0
20/12/2019 6:00	217	0	0.3	17.2	83.1	1014.8	0
20/12/2019 6:30	140	0.1	0.4	19.6	78	1015	0
20/12/2019 7:00	167	0.3	0.8	20.6	72.1	1015.1	0
20/12/2019 7:30	189	0.1	0.3	20.9	68.9	1015.3	0
20/12/2019 8:00	128	0.2	1.5	22.6	62.7	1015.2	0
20/12/2019 8:30	140	0	0.3	22.3	63.5	1015.1	0
20/12/2019 9:00	77	0.3	2.3	23.8	57.1	1014.9	0
20/12/2019 9:30	81	0.4	1.1	25	50.8	1014.6	0
20/12/2019 10:00	327	0.1	0.7	25.7	47.5	1014.3	0
20/12/2019 10:30	120	0.2	1.4	26.8	43.9	1013.8	0
20/12/2019 11:00	112	0.4	2	27.2	42	1013.4	0
20/12/2019 11:30	122	0.1	1	28.1	41	1013.3	0
20/12/2019 12:00	84	0.2	1.7	28.1	41	1012.6	0
20/12/2019 12:30	96	0.4	1.9	28.8	39.6	1012.3	0
20/12/2019 13:00	134	0.7	2.5	28.3	41.8	1011.9	0
20/12/2019 13:30	99	0.5	2.5	28.3	41.8	1011.8	0
20/12/2019 14:00	139	0.2	1.8	28.3	42.4	1011.4	0
20/12/2019 14:30	132	0.4	1.8	28	42.7	1011	0
20/12/2019 15:00	135	0.2	2	27.2	45.5	1010.8	0
20/12/2019 15:30	97	0.2	2	27.2	45.9	1010.7	0
20/12/2019 16:00	124	0.1	1.5	27	47.7	1010.8	0
20/12/2019 16:30	121	0.3	2.3	26.4	50.1	1010.8	0
20/12/2019 17:00	88	0.8	3.2	25.4	54.2	1011	0
20/12/2019 17:30	121	0.4	1.9	24.6	59	1011.2	0
20/12/2019 18:00	71	0.3	2.5	24.1	61.8	1011.5	0
20/12/2019 18:30	73	0.7	2.2	23.4	63.6	1011.8	0
20/12/2019 19:00	79	0.3	1.7	22.9	66	1012	0
20/12/2019 19:30	57	0.9	2.2	22.4	67.6	1012.1	0
20/12/2019 20:00	56	0.5	1.5	22.1	69.6	1012.3	0
20/12/2019 20:30	60	0.2	1.5	21.9	71.4	1012.4	0
20/12/2019 21:00	75	0	1	21.7	72.5	1012.5	0
20/12/2019 21:30	45	0	0.5	21.4	73.2	1012.5	0
20/12/2019 22:00	208	0	0.1	21	75	1012.1	0
20/12/2019 22:30	347	0	0.2	20.8	76.5	1012	0
20/12/2019 23:00	40	0.1	0.7	20.6	77.7	1012	0
20/12/2019 23:30	13	0.5	1.2	20.9	76.9	1011.5	0
21/12/2019 0:00	66	0.2	1	20.5	78.1	1011.2	0
21/12/2019 0:30	86	0	0.5	20.3	78.8	1010.8	0
21/12/2019 1:00	302	0	0.4	20.2	78.6	1010.6	0
21/12/2019 1:30	138	0.2	0.4	19.8	80.5	1010.1	0
21/12/2019 2:00	185	0.3	0.4	19.3	82.7	1009.8	0
21/12/2019 2:30	234	0.2	0.4	18.8	84.3	1009.6	0
21/12/2019 3:00	266	0	0.1	18.2	85.8	1009.3	0
21/12/2019 3:30	137	0.2	0.3	18	86.8	1009.1	0
21/12/2019 4:00	222	0.2	0.4	17.8	88	1009.2	0
21/12/2019 4:30	207	0.4	0.5	17.8	89.2	1009.3	0
21/12/2019 5:00	224	0	0.2	17.7	89.2	1009.4	0
21/12/2019 5:30	174	0	0.2	18.1	88.9	1009.4	0
21/12/2019 6:00	338	0.1	0.7	18.8	85.1	1009.4	0

21/12/2019 6:30	192	0	0.4	20.1	80.5	1009.3	0.01	
21/12/2019 7:00	49	0	0.5	21.4	75.5	1009.1	0.01	
21/12/2019 7:30	210	0	0.4	22.1	72.8	1009	0.01	
21/12/2019 8:00	32	0.4	1.5	23.5	66.5	1008.6	0.01	
21/12/2019 8:30	39	0.7	2.1	24.1	63.6	1008.2	0.01	
21/12/2019 9:00	327	0.2	1.1	25.2	59.8	1007.6	0.04	0.04
21/12/2019 9:30	280	0.1	0.7	27.4	52.3	1007.1	0	
21/12/2019 10:00	251	0.1	1	28.1	49.5	1007.1	0	
21/12/2019 10:30	23	0.3	2.1	29	47.6	1005.8	0	
21/12/2019 11:00	226	0	0.4	31.4	39.7	1005.3	0	
21/12/2019 11:30	308	0.1	0.5	33.1	36.3	1004.7	0	
21/12/2019 12:00	61	0.1	1.5	34.8	32.4	1003.8	0	
21/12/2019 12:30	136	0.1	0.4	35.6	29.9	1003.3	0	
21/12/2019 13:00	324	0.1	1.1	38.3	26.8	1002.7	0	
21/12/2019 13:30	309	0.5	1.7	39.2	24.5	1002	0	
21/12/2019 14:00	69	0.2	2.3	40.5	22.4	1001.5	0	
21/12/2019 14:30	105	0.2	1.9	40.1	28.2	1001.2	0	
21/12/2019 15:00	89	0.1	2.2	39.5	30.4	1000.8	0	
21/12/2019 15:30	163	0	1	39.1	31.5	1000.7	0	
21/12/2019 16:00	108	0.1	1.1	38.5	32.6	1000.5	0	
21/12/2019 16:30	140	2.7	5.3	35.9	36.9	1001.5	0	
21/12/2019 17:00	133	0.5	4.6	27.1	57.8	1003.3	0	
21/12/2019 17:30	131	0.7	5.1	24.8	66.3	1004.6	0	
21/12/2019 18:00	155	0.1	2.4	23.6	67.5	1006.5	0	
21/12/2019 18:30	143	0.4	2.6	22.6	62.8	1008	0	
21/12/2019 19:00	163	1.6	4	21.9	60.2	1009.2	0	
21/12/2019 19:30	196	0.7	3.1	21.4	57.6	1010.5	0	
21/12/2019 20:00	141	0.1	2.1	21.5	55.6	1010.7	0	
21/12/2019 20:30	157	0.3	2.4	21.4	54.9	1011.8	0	
21/12/2019 21:00	133	0.2	2.3	21.3	56.5	1012.3	0	
21/12/2019 21:30	135	1.4	2.5	21.2	59.4	1012.6	0	
21/12/2019 22:00	150	0.1	1.4	20.6	63.9	1013	0	
21/12/2019 22:30	165	0.2	2.2	20.5	66.1	1013	0	
21/12/2019 23:00	159	0.9	2.4	20	67.3	1013	0	
21/12/2019 23:30	152	0.1	1.8	20.1	66.5	1013	0	
22/12/2019 0:00	162	0.8	2.6	19.8	66.7	1013.3	0	
22/12/2019 0:30	166	0.1	2.2	19.8	66.7	1013.2	0	
22/12/2019 1:00	152	0.3	1.8	19.7	66.8	1013	0	
22/12/2019 1:30	163	0.1	0.8	19.6	64.9	1012.9	0	
22/12/2019 2:00	192	0.4	1.7	19.5	66.2	1012.9	0	
22/12/2019 2:30	170	0.6	2.2	19.4	64.7	1012.9	0	
22/12/2019 3:00	189	0.1	1.8	19.3	64.5	1013	0	
22/12/2019 3:30	183	0	0.8	19.2	65	1013.2	0	
22/12/2019 4:00	147	0.2	1.5	19	66.1	1013.4	0	
22/12/2019 4:30	141	0.9	1.7	18.7	66.5	1013.7	0	
22/12/2019 5:00	174	0.1	1	18.5	67.1	1013.8	0	
22/12/2019 5:30	128	0.1	1.1	18.7	66	1014	0	
22/12/2019 6:00	163	0.2	1.5	19	63.9	1014.5	0	
22/12/2019 6:30	167	0.2	1.1	18.9	64.9	1015	0	
22/12/2019 7:00	184	0.7	2.8	18.9	65.8	1015.5	0	
22/12/2019 7:30	189	0.9	2.6	18.7	67	1015.6	0	
22/12/2019 8:00	181	0.9	2.3	18.6	67.5	1015.9	0	
22/12/2019 8:30	195	0.4	2.6	18.8	67.6	1016	0	
22/12/2019 9:00	149	0.3	2	18.9	65.8	1016.1	0	0
22/12/2019 9:30	182	0.2	1.5	19.8	61.6	1016.1	0	
22/12/2019 10:00	140	0.5	2.1	20.6	56.6	1016	0	
22/12/2019 10:30	136	0.1	1.6	20.5	57.7	1016.1	0	
22/12/2019 11:00	134	0.2	2.1	22.1	50.5	1016	0	
22/12/2019 11:30	155	0.9	2.8	21.8	49.3	1015.8	0	
22/12/2019 12:00	137	1	2.7	23.7	44	1015.9	0	
22/12/2019 12:30	194	0.1	1.6	23.1	43.6	1015.7	0	
22/12/2019 13:00	131	1.1	2.5	23	42.2	1015.6	0	
22/12/2019 13:30	128	0.1	2.2	22.6	43.8	1015.6	0	
22/12/2019 14:00	144	1.6	3.3	23.1	41.9	1015.6	0	
22/12/2019 14:30	131	0.5	3.5	21.6	48.1	1015.6	0	
22/12/2019 15:00	150	0.8	3.5	20.8	51.2	1015.6	0	
22/12/2019 15:30	133	0.7	2.2	20.6	52.9	1015.6	0	
22/12/2019 16:00	133	0.5	2.8	19.8	55.5	1015.6	0	
22/12/2019 16:30	147	1.1	2.2	19.7	56.5	1016.1	0	
22/12/2019 17:00	177	0.6	2.6	19.7	56.4	1016	0	
22/12/2019 17:30	151	0.3	2.1	19.9	56.6	1016.2	0	
22/12/2019 18:00	195	0.1	1.6	19.6	56.7	1016.4	0	
22/12/2019 18:30	139	0.6	2.3	18.9	58.8	1016.6	0	
22/12/2019 19:00	147	0.7	2.2	18.5	60.6	1016.9	0	
22/12/2019 19:30	129	0.5	1.1	18.1	62.8	1017.2	0	
22/12/2019 20:00	179	1.2	2	18.1	63.3	1017.5	0	
22/12/2019 20:30	154	0.5	1.2	18.1	64.1	1017.8	0	
22/12/2019 21:00	166	0.3	1	17.8	64.7	1017.8	0	
22/12/2019 21:30	189	0.1	0.7	17.9	65.1	1017.6	0	
22/12/2019 22:00	151	0.1	0.7	18	65	1017.6	0	
22/12/2019 22:30	174	0.8	2.6	18	64.2	1017.5	0	
22/12/2019 23:00	174	1.3	2.3	18	62.9	1017.2	0	
22/12/2019 23:30	176	0.1	1.8	18	62.6	1017.2	0	
23/12/2019 0:00	123	0.3	1.1	17.9	63.3	1017	0	
23/12/2019 0:30	177	0.4	1.5	17.4	67.7	1016.4	0.01	
23/12/2019 1:00	219	0	0.6	17.4	68.5	1016.1	0.01	
23/12/2019 1:30	172	0.1	0.7	17.4	66.7	1015.5	0.01	
23/12/2019 2:00	172	0	1	17.4	66.8	1015.1	0.01	
23/12/2019 2:30	218	0	0.2	17.3	66.7	1014.6	0.01	

23/12/2019 3:00	194	0	0.5	17.4	66.8	1014.5	0.01	
23/12/2019 3:30	108	0	0.4	17.3	66.7	1014.4	0.01	
23/12/2019 4:00	281	0	0.2	17	68.8	1014.7	0.01	
23/12/2019 4:30	261	0	0.1	17	68.4	1014.7	0.01	
23/12/2019 5:00	213	0	0.2	16.8	68.7	1014.8	0.01	
23/12/2019 5:30	231	0	0.3	16.9	68.9	1014.8	0.01	
23/12/2019 6:00	313	0	0.3	17.1	68.9	1014.8	0.02	
23/12/2019 6:30	173	0.6	1.2	17.6	66.1	1014.8	0.02	
23/12/2019 7:00	134	0.1	0.8	18.8	62.2	1015.4	0.02	
23/12/2019 7:30	90	0.1	0.3	18.8	62.7	1015.5	0.02	
23/12/2019 8:00	346	0	0.4	19.3	60.6	1015.6	0.03	
23/12/2019 8:30	228	0	0.3	20	59.6	1015.5	0.03	
23/12/2019 9:00	22	0.1	0.6	20.8	56.6	1015.5	0.03	0.03
23/12/2019 9:30	113	0.1	0.7	21.3	54.4	1015.1	0	
23/12/2019 10:00	49	0.2	1.2	21.2	57.1	1015	0	
23/12/2019 10:30	82	1.4	2.6	22.4	53.2	1014.4	0	
23/12/2019 11:00	71	0.5	2.8	23.5	48.3	1013.9	0	
23/12/2019 11:30	79	0.1	0.8	23	51.2	1013.6	0	
23/12/2019 12:00	27	0.1	1.3	23.1	51.8	1013.2	0	
23/12/2019 12:30	66	0.4	2.7	23.1	51.2	1012.8	0	
23/12/2019 13:00	35	0.1	1.7	23.4	52.1	1012.3	0	
23/12/2019 13:30	78	0.2	1.7	23.8	51.5	1011.8	0	
23/12/2019 14:00	30	0.2	2.7	24.5	50.5	1011.3	0	
23/12/2019 14:30	74	0.2	1.8	24.5	50.5	1010.7	0	
23/12/2019 15:00	86	0.9	2.5	24.9	48.9	1010.2	0	
23/12/2019 15:30	133	0.1	1.2	24.9	49.8	1009.8	0	
23/12/2019 16:00	26	0.1	2.6	25.5	47.8	1009.6	0	
23/12/2019 16:30	36	0.4	1.6	25.1	49	1009.3	0	
23/12/2019 17:00	93	0.7	2.4	24.6	53.5	1009.2	0	
23/12/2019 17:30	64	0.3	2.1	24.1	54.6	1009.6	0	
23/12/2019 18:00	64	0.6	2.3	23.6	58.5	1009.8	0	
23/12/2019 18:30	67	0.7	2.7	22.8	62.7	1010.1	0	
23/12/2019 19:00	68	0.5	2.1	22.2	66	1010.3	0	
23/12/2019 19:30	91	0.3	2.2	21.8	69.7	1010.5	0	
23/12/2019 20:00	64	0.3	1	21.4	71.9	1011	0	
23/12/2019 20:30	34	0.1	1.1	21.2	73.7	1011.1	0	
23/12/2019 21:00	30	0.1	0.9	21.1	75.2	1011.4	0	
23/12/2019 21:30	57	0.4	1.1	21.1	75.7	1011.5	0	
23/12/2019 22:00	341	0	0.3	20.8	77.5	1011.1	0	
23/12/2019 22:30	50	0	0.3	20.5	79.1	1010.6	0	
23/12/2019 23:00	8	0.1	0.5	20.4	80.5	1010.5	0	
23/12/2019 23:30	40	0.1	0.7	20.9	79.3	1010.3	0	
24/12/2019 0:00	208	0	0.3	21.2	77.6	1010.2	0	
24/12/2019 0:30	225	0	0.1	21.2	78	1009.6	0.04	
24/12/2019 1:00	71	0	0.3	21.2	78.8	1009.4	0.04	
24/12/2019 1:30	27	0	0.4	20.7	79.2	1008.8	0.04	
24/12/2019 2:00	65	0.2	0.8	21.4	78.3	1008.3	0.04	
24/12/2019 2:30	66	0.2	0.5	21.4	78.3	1008.3	0.04	
24/12/2019 3:00	246	0	0.2	21.5	77.4	1008.1	0.04	
24/12/2019 3:30	69	0	0.3	21.1	79.8	1008	0.04	
24/12/2019 4:00	151	0.3	0.5	21.1	80.2	1008.2	0.04	
24/12/2019 4:30	153	0.2	0.7	20.9	80.7	1008.1	0.04	
24/12/2019 5:00	172	0.1	0.7	21	80.5	1008	0.04	
24/12/2019 5:30	182	0.3	0.9	21.1	80.7	1008.3	0.04	
24/12/2019 6:00	192	0.2	0.9	21.1	81.7	1008.4	0.04	
24/12/2019 6:30	172	0.2	0.6	21.1	81.5	1008.4	0.04	
24/12/2019 7:00	157	0.4	0.9	21.7	82.7	1008.8	0.07	
24/12/2019 7:30	53	0.1	0.6	21.8	82.3	1008.7	0.07	
24/12/2019 8:00	148	0.5	1.1	23.4	76.4	1008.8	0.07	
24/12/2019 8:30	186	1.4	2.1	23.4	76.9	1008.7	0.07	
24/12/2019 9:00	160	0.1	0.6	23.4	82.9	1008.7	0.19	0.19
24/12/2019 9:30	158	0.5	1.6	24.7	72.5	1008.7	0	
24/12/2019 10:00	150	0	0.6	24.7	70.4	1008.5	0	
24/12/2019 10:30	145	0	0.4	24	75.7	1008.4	0	
24/12/2019 11:00	32	0.5	2.2	25.7	64.1	1008.1	0	
24/12/2019 11:30	85	0.6	2.6	26.6	59.2	1008.1	0	
24/12/2019 12:00	163	0.1	0.8	27.7	53.7	1007.8	0	
24/12/2019 12:30	128	0.1	1.8	27.6	56.3	1007.6	0	
24/12/2019 13:00	114	0.2	2.5	27.2	58.4	1007.6	0	
24/12/2019 13:30	110	0.6	3.3	28.3	52.8	1007.5	0	
24/12/2019 14:00	123	0.4	2.1	28.1	56.4	1007.7	0	
24/12/2019 14:30	148	1.8	4.1	27.3	57.9	1007.6	0	
24/12/2019 15:00	136	1.2	3.4	26.2	61.8	1007.4	0	
24/12/2019 15:30	140	1.7	4.6	26.2	62.3	1007.4	0	
24/12/2019 16:00	148	0.6	4.3	25.2	65.9	1007.4	0	
24/12/2019 16:30	136	1.7	3.8	24	71.2	1007.8	0	
24/12/2019 17:00	143	0.6	2.3	23.1	76	1008.2	0	
24/12/2019 17:30	146	0.4	1.5	22.9	77.8	1008.6	0	
24/12/2019 18:00	146	0.7	1.5	22.9	76	1008.8	0	
24/12/2019 18:30	127	0.1	0.9	22.6	77.2	1009.2	0.02	
24/12/2019 19:00	155	0.5	2.1	22.6	77.5	1009.7	0.02	
24/12/2019 19:30	149	0.7	2.2	22.3	79.9	1009.8	0.02	
24/12/2019 20:00	152	0.4	1.3	22.2	83.3	1010.2	0.02	
24/12/2019 20:30	184	0.6	1.5	22.2	81.9	1010.5	0.02	
24/12/2019 21:00	164	0.6	1.1	22	85.1	1010.9	0.08	
24/12/2019 21:30	148	0.3	0.6	21.5	88.4	1011.1	0.09	
24/12/2019 22:00	112	0.7	1.5	21.5	88.6	1011	0.09	
24/12/2019 22:30	124	0	0.5	21.6	89.3	1010.8	0.55	
24/12/2019 23:00	160	0.1	0.7	21.3	89.8	1010.7	0.55	
24/12/2019 23:30	200	0.3	0.4	21.6	89.9	1010.6	0.55	
25/12/2019 0:00	161	0.2	0.4	21.5	90.5	1010.5	0.55	
25/12/2019 0:30	186	0.7	1.4	21.3	90.9	1010.4	0.55	
25/12/2019 1:00	188	0.1	0.9	21.2	90.5	1010.4	0.55	
25/12/2019 1:30	210	0.1	0.6	21.3	90.6	1010.3	1.31	
25/12/2019 2:00	152	0.8	1.2	20.9	90.5	1009.9	1.92	



25/12/2019 2:30	136	0.3	0.9	20.6	90.9	1009.8	1.92	
25/12/2019 3:00	162	0.1	0.6	20.5	90.7	1009.9	1.92	
25/12/2019 3:30	141	0.4	0.6	20.6	91.8	1010	1.94	
25/12/2019 4:00	108	0	0.4	20.1	91.3	1010.1	2.63	
25/12/2019 4:30	121	0.2	0.5	20.1	91.5	1010.3	2.63	
25/12/2019 5:00	130	0	0.5	20	91.8	1010.4	2.63	
25/12/2019 5:30	141	0.2	1.4	20	91.3	1010.6	2.63	
25/12/2019 6:00	152	0.1	1.3	20.1	89.7	1011	2.63	
25/12/2019 6:30	141	0.3	1.4	20.6	87.1	1011.5	2.63	
25/12/2019 7:00	164	0.4	1.1	21.7	82.7	1011.9	2.63	
25/12/2019 7:30	120	0.2	1.1	23.1	75.7	1012.1	2.63	
25/12/2019 8:00	92	0.4	1.3	23	74.5	1012.1	2.63	
25/12/2019 8:30	122	0.5	1.6	24.4	68.8	1012.1	2.63	
25/12/2019 9:00	87	0.3	1.6	24.4	64.3	1011.8	2.63	2.63
25/12/2019 9:30	97	0.2	1.8	25.8	60.7	1011.7	0	
25/12/2019 10:00	139	0.2	2.7	26.3	56	1011.4	0	
25/12/2019 10:30	92	0.2	2.7	26.6	54.9	1011.1	0	
25/12/2019 11:00	95	0.1	1.3	27.2	51.1	1010.9	0	
25/12/2019 11:30	131	0.1	2.2	27.6	47.9	1010.5	0	
25/12/2019 12:00	95	0.3	1.8	27.3	49.3	1010.4	0	
25/12/2019 12:30	94	0.6	4.4	27.5	46.9	1009.9	0	
25/12/2019 13:00	99	0.4	2.5	28.1	44.1	1009.9	0	
25/12/2019 13:30	84	0.8	2.8	28.8	41.8	1009.8	0	
25/12/2019 14:00	74	0.5	2.6	28.4	43.5	1009.7	0	
25/12/2019 14:30	70	0.5	4.6	28.6	41.7	1009.2	0	
25/12/2019 15:00	104	0.4	1.8	28.4	40.5	1009	0	
25/12/2019 15:30	67	0.2	2.4	28.1	41.2	1008.7	0	
25/12/2019 16:00	95	0.2	2.5	27.7	43.9	1008.8	0	
25/12/2019 16:30	96	0.4	2.5	27	45	1008.9	0	
25/12/2019 17:00	78	0.2	2.5	26.3	48.4	1009	0	
25/12/2019 17:30	57	0.3	1.9	25.6	51.2	1009.5	0	
25/12/2019 18:00	86	0.2	2.6	24.8	54.7	1010	0	
25/12/2019 18:30	47	0.2	1.7	24.3	57.5	1010.4	0	
25/12/2019 19:00	75	0.2	1.8	23.8	60.7	1010.8	0	
25/12/2019 19:30	69	0.3	1.3	23.3	64.8	1011	0	
25/12/2019 20:00	80	0.2	1.2	22.8	65.7	1011.4	0	
25/12/2019 20:30	35	0.1	1.2	22.6	68.7	1011.5	0	
25/12/2019 21:00	60	0.3	1.2	22.4	69	1011.9	0	
25/12/2019 21:30	139	0	0.2	22	70.1	1012.3	0	
25/12/2019 22:00	133	0	0.2	21.2	73.8	1012.3	0	
25/12/2019 22:30	141	0	0.2	20.6	77.1	1012.4	0	
25/12/2019 23:00	163	0.3	0.4	20	78.6	1012.4	0	
25/12/2019 23:30	96	0	0.1	19.8	80.2	1012.3	0	
26/12/2019 0:00	176	0	0.1	19.2	81.9	1012.1	0	
26/12/2019 0:30	162	0	0.1	18.9	82.9	1012	0	
26/12/2019 1:00	30	0	0.1	18.7	84.3	1011.8	0	
26/12/2019 1:30	56	0	0.2	18.4	85.4	1011.8	0	
26/12/2019 2:00	130	0.2	0.3	18.3	87	1011.7	0	
26/12/2019 2:30	135	0.2	0.4	17.8	86.7	1011.7	0	
26/12/2019 3:00	125	0	0.1	18.2	88.2	1011.7	0	
26/12/2019 3:30	178	0	0.1	18.2	87.8	1011.8	0	
26/12/2019 4:00	263	0	0.1	18	87.7	1011.9	0	
26/12/2019 4:30	295	0	0.1	17.8	88.7	1012.3	0	
26/12/2019 5:00	251	0	0.1	18	88.5	1012.6	0	
26/12/2019 5:30	202	0	0.1	18.5	88.9	1013	0	
26/12/2019 6:00	130	0.1	0.3	20.4	85.9	1013.4	0	
26/12/2019 6:30	80	0.2	0.8	21.2	75.9	1013.6	0	
26/12/2019 7:00	51	0.1	1.4	22.2	71.2	1013.8	0.01	
26/12/2019 7:30	34	0.1	1.4	22.9	67.8	1013.7	0.01	
26/12/2019 8:00	342	0.3	1.6	23.4	65.4	1013.6	0.01	
26/12/2019 8:30	352	0.2	1.1	23.8	62.1	1013.6	0.01	
26/12/2019 9:00	38	0.1	1.3	24.5	59	1013.4	0.01	0.01
26/12/2019 9:30	79	0.1	0.9	25.9	55.3	1013.3	0	
26/12/2019 10:00	307	0.1	1	26.5	52.4	1013.1	0	
26/12/2019 10:30	251	0	0.7	27.7	48.3	1012.9	0	
26/12/2019 11:00	0	0.1	1.2	29.2	42.9	1012.4	0	
26/12/2019 11:30	36	0.1	2.1	30	37.6	1011.9	0	
26/12/2019 12:00	93	0.3	2	30.5	35.9	1011.4	0	
26/12/2019 12:30	142	0.6	2.9	31.5	37.1	1010.8	0	
26/12/2019 13:00	56	0.4	2.5	31.5	36.8	1010.2	0	
26/12/2019 13:30	70	0.3	2.9	30.8	37.2	1010.2	0	
26/12/2019 14:00	80	0.6	3.4	30.8	39.6	1010	0	
26/12/2019 14:30	96	0.2	3.1	30.7	40.7	1009.7	0	
26/12/2019 15:00	100	0.9	2.5	30.5	39.2	1009.6	0	
26/12/2019 15:30	99	0.3	2	29.8	38.9	1009.6	0	
26/12/2019 16:00	95	0.2	2.1	29.3	39.5	1009.6	0	
26/12/2019 16:30	71	1	4	28.4	42.5	1009.6	0	
26/12/2019 17:00	68	0.2	1.8	27.8	42.4	1009.7	0	
26/12/2019 17:30	73	0.4	2.4	27.2	42.2	1010	0	
26/12/2019 18:00	58	0.4	1.7	26.9	42.9	1010.8	0	
26/12/2019 18:30	66	0.1	1.8	26.2	41.4	1011.3	0	
26/12/2019 19:00	67	0.3	1.4	25.4	44.9	1011.8	0	
26/12/2019 19:30	69	0.3	1.4	24.9	47.7	1012.1	0	
26/12/2019 20:00	78	0	0.4	24.5	47.7	1012.5	0	
26/12/2019 20:30	86	0.1	0.7	23.9	49.8	1012.8	0	
26/12/2019 21:00	113	0.1	1.7	23.8	50.6	1013.2	0	
26/12/2019 21:30	139	0.4	0.8	23.2	54.2	1013.5	0	
26/12/2019 22:00	101	0	0.6	22.5	62.7	1013.8	0	
26/12/2019 22:30	141	0	0.6	22.3	65.6	1013.8	0	
26/12/2019 23:00	93	0.1	1	22.1	68.2	1013.8	0	
26/12/2019 23:30	124	0.1	0.7	21.8	70.1	1013.6	0	
27/12/2019 0:00	127	0.1	1.2	21.5	72.3	1013.5	0	
27/12/2019 0:30	181	0	0.1	20.8	74.5	1013.4	0	
27/12/2019 1:00	235	0	0.2	20.1	77.8	1013.2	0	
27/12/2019 1:30	124	0	0.2	19.5	80.9	1012.9	0	

27/12/2019 2:00	213	0.1	0.2	19.2	82.4	1012.7	0	
27/12/2019 2:30	172	0	0.2	18.9	83.5	1012.8	0	
27/12/2019 3:00	202	0	0.1	18.4	83.6	1012.8	0	
27/12/2019 3:30	133	0	0.1	18.3	84.6	1012.8	0	
27/12/2019 4:00	120	0	0.1	18.3	84.7	1013	0	
27/12/2019 4:30	132	0	0.1	17.7	85.3	1013.2	0	
27/12/2019 5:00	173	0	0.1	17.8	86.3	1013.5	0	
27/12/2019 5:30	342	0	0.2	18.1	86	1013.9	0	
27/12/2019 6:00	139	0	0.2	19.7	84	1014.1	0	
27/12/2019 6:30	122	0	0.2	22.5	71.8	1014.4	0	
27/12/2019 7:00	330	0.2	1.1	22.5	69.2	1014.7	0	
27/12/2019 7:30	12	0.1	0.7	22.9	67.3	1014.9	0	
27/12/2019 8:00	238	0	0.6	23.4	61.9	1014.9	0	
27/12/2019 8:30	346	0	1.5	24.7	56.9	1014.8	0	
27/12/2019 9:00	230	0.1	0.7	25.1	50.2	1014.7	0	0
27/12/2019 9:30	322	0.1	0.8	26	47.2	1014.5	0	
27/12/2019 10:00	149	0.6	1.8	27.4	43.2	1014.4	0	
27/12/2019 10:30	29	0.2	1.4	28.6	35.9	1014	0	
27/12/2019 11:00	64	0.4	2	28.8	35.9	1013.7	0	
27/12/2019 11:30	76	0.1	1.7	30.5	31.5	1013.4	0	
27/12/2019 12:00	74	0.7	2.1	31.7	31.2	1013.1	0	
27/12/2019 12:30	143	0.8	2.7	31.3	33.6	1012.6	0	
27/12/2019 13:00	101	0.5	2.5	31.7	33.4	1012.2	0	
27/12/2019 13:30	79	0.5	2.8	31.4	33.5	1011.9	0	
27/12/2019 14:00	113	0.1	2.7	30.3	36.1	1011.6	0	
27/12/2019 14:30	135	0.1	2	30.7	35.8	1011.3	0	
27/12/2019 15:00	75	0.5	2.9	30.4	36.2	1010.8	0	
27/12/2019 15:30	60	0.6	3	29.2	37.1	1010.6	0	
27/12/2019 16:00	100	0.2	2.5	29.2	37.5	1010.5	0	
27/12/2019 16:30	94	0.4	1.8	28.5	42.1	1010.5	0	
27/12/2019 17:00	101	0.4	2.7	27.9	44.2	1010.5	0	
27/12/2019 17:30	60	0.5	2.6	27.4	47.2	1011	0	
27/12/2019 18:00	57	0.4	2.3	26.4	48.5	1011.4	0	
27/12/2019 18:30	59	0.1	1.9	25.6	52.8	1011.8	0	
27/12/2019 19:00	81	0.2	1.4	24.8	57.1	1012.4	0	
27/12/2019 19:30	81	0.9	2.1	24.1	59.8	1012.5	0	
27/12/2019 20:00	85	0.2	1.3	23.6	61.8	1012.7	0	
27/12/2019 20:30	50	0.2	1.5	23.3	63.1	1013.1	0	
27/12/2019 21:00	51	0.1	0.8	23	64.9	1013.3	0	
27/12/2019 21:30	64	0.4	1.4	22.8	66.2	1013.3	0	
27/12/2019 22:00	66	0.1	1	22.5	67.3	1013.5	0	
27/12/2019 22:30	66	0.1	0.7	22	69.8	1013.6	0	
27/12/2019 23:00	53	0.1	0.8	21.8	71.2	1013.5	0	
27/12/2019 23:30	215	0	0.1	20.9	72.9	1013.3	0	
28/12/2019 0:00	141	0	0.1	20.1	77.4	1013.2	0	
28/12/2019 0:30	211	0	0.2	19.1	79.6	1012.8	0	
28/12/2019 1:00	183	0.1	0.4	18.4	81.9	1012.4	0	
28/12/2019 1:30	208	0	0.1	18.3	84.4	1012.2	0	
28/12/2019 2:00	130	0	0.2	18	85.7	1012	0	
28/12/2019 2:30	192	0.1	0.2	17.7	86.5	1011.9	0	
28/12/2019 3:00	124	0	0.2	17.5	87.6	1011.8	0	
28/12/2019 3:30	349	0	0.1	17.3	88.5	1011.8	0	
28/12/2019 4:00	253	0	0.2	17	89.6	1012.1	0	
28/12/2019 4:30	118	0	0.1	17.5	89	1012.1	0	
28/12/2019 5:00	177	0	0.1	17.3	88	1012.3	0	
28/12/2019 5:30	141	0	0.1	17.6	89	1012.6	0	
28/12/2019 6:00	66	0	0.3	19.3	82	1012.9	0	
28/12/2019 6:30	19	0.1	1.2	20.8	74.7	1013.3	0	
28/12/2019 7:00	51	0.5	1.5	22	68.7	1013.1	0	
28/12/2019 7:30	57	0.1	0.9	22.4	63.9	1013.3	0	
28/12/2019 8:00	340	0.2	1.1	23.4	61.1	1013.3	0	
28/12/2019 8:30	326	0	1.1	23.8	57.9	1013.1	0	
28/12/2019 9:00	26	0.1	0.6	25.8	51.9	1012.9	0	0
28/12/2019 9:30	189	0	0.4	26.9	48.7	1012.6	0	
28/12/2019 10:00	106	0.3	1.4	28.1	42.3	1012.2	0	
28/12/2019 10:30	0	0.3	1.1	29.9	38	1011.8	0	
28/12/2019 11:00	11	0	1.2	30.4	34	1011.3	0	
28/12/2019 11:30	41	0.2	1.3	31.6	29.7	1010.6	0	
28/12/2019 12:00	353	0.2	2.1	34.1	24.9	1010.1	0	
28/12/2019 12:30	101	0.1	1.4	35.3	24.5	1009.4	0	
28/12/2019 13:00	122	0	1.4	36.1	28.9	1009.1	0	
28/12/2019 13:30	150	1.4	2.7	36	29.9	1009	0	
28/12/2019 14:00	137	0.7	3.8	35.4	31.4	1008.7	0	
28/12/2019 14:30	92	0.4	2.8	35.8	30.5	1008	0	
28/12/2019 15:00	81	0.3	3.8	36.2	27.1	1007.2	0	
28/12/2019 15:30	93	0	2.3	36.3	28.3	1006.9	0	
28/12/2019 16:00	100	0.1	1.4	35.3	29.3	1006.9	0	
28/12/2019 16:30	89	0.3	1.5	34.4	30.8	1006.9	0	
28/12/2019 17:00	131	0	1.1	33.8	30.8	1006.9	0	
28/12/2019 17:30	134	0.3	1.5	32.5	33.3	1007.2	0	
28/12/2019 18:00	86	0	1.2	31.7	32.2	1007.6	0	
28/12/2019 18:30	82	0.1	0.9	30.5	33.2	1008	0	
28/12/2019 19:00	70	0.3	1.1	29.7	34.8	1008.4	0	
28/12/2019 19:30	307	0	0.2	28.3	37.3	1008.7	0	
28/12/2019 20:00	105	0	0.2	26	43.2	1009	0	
28/12/2019 20:30	177	0	0.1	24.9	50.2	1009.3	0	
28/12/2019 21:00	75	0	0.2	25.4	49.4	1009.6	0	
28/12/2019 21:30	296	0	0.3	24	53.4	1009.6	0	
28/12/2019 22:00	172	0.6	1	24.3	49.8	1009.7	0	
28/12/2019 22:30	169	0.5	1	24.3	52.3	1009.8	0	
28/12/2019 23:00	153	1	1.4	23.8	57.7	1009.7	0	
28/12/2019 23:30	150	0.7	1.3	23.6	62	1009.6	0	
29/12/2019 0:00	153	1.1	1.8	22.8	67.1	1009.8	0	
29/12/2019 0:30	125	0.1	1.3	22.6	71.5	1009.6	0	

29/12/2019 1:00	153	0.1	0.7	22.1	73.8	1009.4	0
29/12/2019 1:30	153	0.6	1.1	21.9	75.6	1009.3	0
29/12/2019 2:00	161	0.8	1.3	21.5	77	1009.2	0
29/12/2019 2:30	148	0.6	1.1	21.2	77.8	1009.2	0
29/12/2019 3:00	175	0.5	1	20.9	80.7	1009.2	0
29/12/2019 3:30	181	0.9	1.9	20.6	81.5	1009.4	0
29/12/2019 4:00	173	0.7	1.3	20.4	82	1009.6	0
29/12/2019 4:30	160	0.5	0.8	20.2	82.8	1009.8	0
29/12/2019 5:00	163	0.4	1	20	83.7	1010.1	0
29/12/2019 5:30	167	0	0.3	19.9	84.5	1010.3	0
29/12/2019 6:00	164	0.2	0.3	20	83.1	1010.6	0
29/12/2019 6:30	342	0	0.5	20.4	80.7	1011.1	0
29/12/2019 7:00	86	0	0.2	21	78.7	1011.1	0
29/12/2019 7:30	306	0	0.5	21.4	76.1	1011.2	0
29/12/2019 8:00	282	0	0.5	21.9	74.7	1011.2	0
29/12/2019 8:30	91	0	0.4	23	70.4	1011	0
29/12/2019 9:00	125	0	0.6	24.5	64.6	1010.8	0
29/12/2019 9:30	220	0	0.3	25.3	59.1	1010.6	0
29/12/2019 10:00	344	0.2	0.8	26.7	45.3	1010.2	0
29/12/2019 10:30	6	0.1	1.2	29.1	46.2	1010	0
29/12/2019 11:00	76	0.1	1.3	30.6	42.3	1009.7	0
29/12/2019 11:30	140	0.1	1	30.4	40.3	1009.3	0
29/12/2019 12:00	131	0.4	1.2	32.4	36	1008.9	0
29/12/2019 12:30	97	0.2	1	32.5	34.1	1008.6	0
29/12/2019 13:00	111	0.2	1	33.4	31.7	1008.2	0
29/12/2019 13:30	105	0.1	1.1	33.4	34.4	1007.9	0
29/12/2019 14:00	68	0.7	1.8	32.8	40.3	1007.6	0
29/12/2019 14:30	100	0.1	0.8	32.1	44.5	1007.4	0
29/12/2019 15:00	114	1.1	2.2	32.1	44.2	1006.9	0
29/12/2019 15:30	139	0.2	1.2	32.5	41.8	1006.6	0
29/12/2019 16:00	164	0.1	0.8	32.5	41.6	1006.7	0
29/12/2019 16:30	154	0.4	1.5	31.6	41.4	1006.9	0
29/12/2019 17:00	144	1.1	2.1	31.5	39.9	1007.4	0
29/12/2019 17:30	140	0.5	1.5	30.6	38.1	1007.6	0
29/12/2019 18:00	120	0.1	1.2	30.2	38.1	1007.9	0
29/12/2019 18:30	130	0.2	1.2	29.5	38.2	1008.1	0
29/12/2019 19:00	175	0.6	1.4	28.6	39.6	1008.8	0
29/12/2019 19:30	164	0.4	2.5	26.7	48.6	1009	0
29/12/2019 20:00	146	0.2	1.8	25.6	57.5	1009.2	0
29/12/2019 20:30	135	0	1.4	24.8	61.2	1009.4	0
29/12/2019 21:00	113	0	0.8	24.3	64.9	1009.4	0
29/12/2019 21:30	117	0.2	1.8	23.3	71.9	1009.5	0
29/12/2019 22:00	142	0.7	1.5	22.9	74.5	1009.3	0
29/12/2019 22:30	131	0.2	1.1	22.2	77	1009.2	0
29/12/2019 23:00	127	0.1	0.8	22.2	78.1	1009.1	0
29/12/2019 23:30	162	0.8	1.3	21.9	79.5	1009	0
30/12/2019 0:00	189	0.7	1	21.8	80.6	1009	0
30/12/2019 0:30	153	0.7	1.2	21.6	81.1	1008.9	0
30/12/2019 1:00	146	0.1	0.9	21.1	82	1008.8	0
30/12/2019 1:30	141	0.7	1.4	21	83.3	1008.4	0
30/12/2019 2:00	145	0.6	1.2	20.8	84.3	1008.3	0
30/12/2019 2:30	178	0.3	0.5	20.5	84.9	1008.3	0
30/12/2019 3:00	161	0.4	0.7	20.5	85.5	1008.2	0
30/12/2019 3:30	174	0.7	1.1	20.2	86.2	1008.1	0
30/12/2019 4:00	175	0.7	1.4	20.3	86.2	1008.2	0
30/12/2019 4:30	173	0.2	0.8	19.9	86.6	1008.3	0
30/12/2019 5:00	179	0.4	1.3	19.8	87.8	1008.4	0
30/12/2019 5:30	165	0.2	1.3	20	87.4	1008.5	0
30/12/2019 6:00	183	0.1	0.9	20	86.3	1008.8	0
30/12/2019 6:30	130	0.4	0.9	21	83.8	1009	0
30/12/2019 7:00	184	0	0.4	21.4	81.4	1009.2	0
30/12/2019 7:30	124	0.2	0.5	22.6	75.3	1009.1	0
30/12/2019 8:00	258	0.1	0.6	22.6	73.8	1009.1	0
30/12/2019 8:30	0	0.1	1.1	24.1	69.3	1008.6	0
30/12/2019 9:00	332	0	0.8	24.9	65.1	1008.2	0
30/12/2019 9:30	57	0.2	1.7	26.4	59.1	1007.9	0
30/12/2019 10:00	283	0	0.6	27.9	52.7	1007.6	0
30/12/2019 10:30	323	0	0.3	29.9	46	1007.1	0
30/12/2019 11:00	84	0	0.7	30.8	42.6	1006.8	0
30/12/2019 11:30	127	0	0.4	31.8	37.9	1006.2	0
30/12/2019 12:00	29	0.1	1.8	33.5	33.2	1005.6	0
30/12/2019 12:30	46	0.1	1.2	34.7	28.4	1005.1	0
30/12/2019 13:00	88	0.1	0.9	37.1	25.6	1004.5	0
30/12/2019 13:30	80	0.4	1.2	36.8	31.2	1004	0
30/12/2019 14:00	88	0.2	1.8	36.8	33.3	1003.5	0
30/12/2019 14:30	112	0.5	2.1	36.6	33.3	1003	0
30/12/2019 15:00	126	0.4	2.7	35.5	34.6	1002.7	0
30/12/2019 15:30	118	0.1	1.8	34.8	35	1002.2	0
30/12/2019 16:00	65	0.1	0.8	36.1	30.7	1001.8	0
30/12/2019 16:30	82	1.2	3.4	35.3	28.2	1001.6	0
30/12/2019 17:00	73	0.1	2.1	34.5	27.5	1001.6	0
30/12/2019 17:30	193	0.1	0.6	33.8	23.8	1001.9	0
30/12/2019 18:00	71	0.1	0.5	32.9	23.8	1002	0
30/12/2019 18:30	138	0.2	0.6	32.3	26.5	1002.1	0
30/12/2019 19:00	126	0.2	0.6	30.8	30.3	1002.3	0
30/12/2019 19:30	170	0.2	0.6	29.5	33.4	1002.5	0
30/12/2019 20:00	171	0.6	1.3	28.4	38.2	1002.8	0
30/12/2019 20:30	129	0.5	0.9	27.2	43.7	1003	0
30/12/2019 21:00	164	0.3	1.1	26.4	48.1	1003	0
30/12/2019 21:30	173	0.4	0.7	25.6	52.6	1003.1	0
30/12/2019 22:00	156	0.4	0.7	25	56	1003	0
30/12/2019 22:30	172	0.4	1	24.6	58.5	1003	0
30/12/2019 23:00	166	0.7	1.4	24	60.2	1003	0
30/12/2019 23:30	154	0.7	1.3	23.5	62.6	1002.9	0
31/12/2019 0:00	180	0.5	0.9	23.1	64.3	1002.6	0



31/12/2019 0:30	170	0.2	0.6	22.8	65.8	1002.5	0	
31/12/2019 1:00	158	0.5	0.7	22.5	67.5	1002.1	0	
31/12/2019 1:30	171	0.1	0.5	22.2	69.6	1001.8	0	
31/12/2019 2:00	244	0	0.2	21.7	70.8	1001.5	0	
31/12/2019 2:30	192	0	0.1	20.8	74.1	1001.4	0	
31/12/2019 3:00	184	0	0.1	20	77.7	1001.2	0	
31/12/2019 3:30	157	0	0.2	19.7	78.7	1001.3	0	
31/12/2019 4:00	307	0	0.2	19.4	78.7	1001.4	0	
31/12/2019 4:30	61	0	0.2	19.3	80.7	1001.5	0	
31/12/2019 5:00	261	0	0.1	19.3	80.8	1001.6	0	
31/12/2019 5:30	175	0	0.4	19.2	82.1	1001.9	0	
31/12/2019 6:00	223	0.2	0.5	20.6	79.3	1001.9	0	
31/12/2019 6:30	353	0	0.2	22.5	70.1	1002.2	0	
31/12/2019 7:00	318	0.1	0.8	24.3	62	1002.3	0	
31/12/2019 7:30	17	0	0.5	26.1	52.9	1002.2	0	
31/12/2019 8:00	353	0	0.9	28	42.7	1002	0	
31/12/2019 8:30	11	0.1	0.9	29.8	36.2	1001.5	0	
31/12/2019 9:00	346	0.3	1.8	33	28.7	1001.2	0	0
31/12/2019 9:30	23	0.1	1.3	36.6	19.2	1000.9	0	
31/12/2019 10:00	10	0.1	1.7	38	17.2	1000.7	0	
31/12/2019 10:30	2	0.1	2	39	14.2	1000.2	0	
31/12/2019 11:00	33	0.1	2	40.6	13.3	999.8	0	
31/12/2019 11:30	23	0.2	3.3	41.3	11.4	999.5	0	
31/12/2019 12:00	329	0	1.6	42.4	9.8	999	0	
31/12/2019 12:30	310	0.1	2.7	43.6	7.8	998.7	0	
31/12/2019 13:00	302	0.2	2	44.2	7.7	998.4	0	
31/12/2019 13:30	39	0.1	3.2	43.6	8	997.8	0	
31/12/2019 14:00	318	0.2	1.8	43.6	8.1	997.5	0	
31/12/2019 14:30	334	0.2	3.4	43.6	9.1	997.4	0	
31/12/2019 15:00	279	0.1	2.1	43.9	8.6	997.1	0	
31/12/2019 15:30	17	0	0.9	43.3	9.8	996.8	0	
31/12/2019 16:00	327	0.2	3.3	42.9	10.1	996.8	0	
31/12/2019 16:30	167	0	1.2	42.9	9.9	996.9	0	
31/12/2019 17:00	150	0.5	5	39.2	17.7	998.1	0	
31/12/2019 17:30	147	0.7	5.7	25.5	49.5	1000.6	0.02	
31/12/2019 18:00	135	1.5	4.4	23.3	58.1	1002.1	0.07	
31/12/2019 18:30	149	1.4	3.5	22.3	62.6	1003.1	0.07	
31/12/2019 19:00	159	0.2	1.9	21.7	64.1	1004.8	0.07	
31/12/2019 19:30	151	0.2	3.4	21	64.4	1005.9	0.07	
31/12/2019 20:00	145	0.3	1.5	20.5	63.4	1006.4	0.07	
31/12/2019 20:30	134	0.4	2.2	21	58.2	1007.3	0.07	
31/12/2019 21:00	155	0.2	1.2	21	56.7	1007.9	0.07	
31/12/2019 21:30	197	0.2	2	20.7	60.7	1008.4	0.07	
31/12/2019 22:00	189	1.5	3.1	20.5	63.1	1008.8	0.07	
31/12/2019 22:30	157	0.2	1.4	20.5	61	1009.2	0.07	
31/12/2019 23:00	178	1.1	3.1	20.5	58.8	1009.3	0.07	
31/12/2019 23:30	136	1	1.7	20.1	61	1008.5	0.07	
1/01/2020 0:00	150	0.4	1.4	20	61.5	1008.1	0.07	
1/01/2020 0:30	182	1.2	2.4	19.9	61.9	1008.2	0.07	
1/01/2020 1:00	169	0.1	1.3	19.9	62.2	1007.9	0.07	
1/01/2020 1:30	167	0.7	1.9	19.9	64.1	1007.6	0.07	
1/01/2020 2:00	169	0.5	2	20	64.3	1007.6	0.07	
1/01/2020 2:30	183	0.1	1.2	19.9	64.5	1007.5	0.07	
1/01/2020 3:00	186	0.4	1.4	19.9	63.9	1007.6	0.07	
1/01/2020 3:30	167	0.6	2.1	19.8	64.4	1007.3	0.07	
1/01/2020 4:00	175	0.6	1.5	19.7	64.7	1007.5	0.07	
1/01/2020 4:30	177	0.5	1.9	19.7	63.4	1007.8	0.07	
1/01/2020 5:00	259	0	0.7	19.7	61.8	1008	0.07	
1/01/2020 5:30	178	0.1	1.5	19.7	58.7	1008.1	0.07	
1/01/2020 6:00	192	0.2	0.6	19.9	58.8	1008.5	0.07	
1/01/2020 6:30	116	0	0.5	20.3	56.7	1008.8	0.07	
1/01/2020 7:00	208	0.1	0.8	20.8	52.9	1009	0.07	
1/01/2020 7:30	153	0	0.5	20.7	55.6	1009.3	0.07	
1/01/2020 8:00	133	0.7	1.7	21.8	52.6	1009.2	0.08	
1/01/2020 8:30	130	0.2	1.3	22.3	52.3	1009.1	0.08	
1/01/2020 9:00	132	0.3	1.6	23.6	49.3	1009	0.08	0.08
1/01/2020 9:30	191	0.3	1.8	23.9	47.8	1008.7	0	
1/01/2020 10:00	143	0.1	1.3	24.9	47	1008.3	0	
1/01/2020 10:30	352	0.1	1.3	25.1	47.1	1008	0	
1/01/2020 11:00	158	0.4	1.7	25.5	45.8	1007.8	0	
1/01/2020 11:30	155	0.4	2.6	27.3	43	1007.2	0	
1/01/2020 12:00	103	0.6	1.5	27.8	41.7	1007	0	
1/01/2020 12:30	113	0.3	1.6	28.1	42.3	1006.7	0	
1/01/2020 13:00	135	0.3	2.9	28.1	43.8	1006.7	0	
1/01/2020 13:30	104	0.5	2.4	27.5	46.2	1006.7	0	
1/01/2020 14:00	110	0.3	2.4	27.1	48.8	1006.9	0	
1/01/2020 14:30	114	0.3	2.7	26.6	51.3	1006.8	0	
1/01/2020 15:00	137	0.2	1.9	26.5	51.6	1007.1	0	
1/01/2020 15:30	148	1.5	3.9	26	53.6	1007	0	
1/01/2020 16:00	118	0.8	2.9	25.1	56.4	1007.2	0	
1/01/2020 16:30	136	0.4	2.3	25.1	56.8	1007.5	0	
1/01/2020 17:00	114	0.5	2.6	23.9	61.6	1008.2	0	
1/01/2020 17:30	136	0.9	1.8	23.5	64.1	1008.8	0	
1/01/2020 18:00	151	0.1	2	23.2	65.1	1009.5	0	
1/01/2020 18:30	141	1.1	2.1	22.9	67.3	1010.1	0	
1/01/2020 19:00	138	0.5	2	22.6	68.3	1010.6	0	
1/01/2020 19:30	145	0.5	2.1	22.4	69.7	1011.4	0	
1/01/2020 20:00	174	0.1	0.8	22.3	70.4	1011.9	0	
1/01/2020 20:30	188	0.4	3.1	22.1	70.6	1012.2	0	
1/01/2020 21:00	130	0	1.9	21.2	75.7	1012.7	0	
1/01/2020 21:30	157	0.1	2.2	21.4	73	1012.8	0	
1/01/2020 22:00	177	0.3	2.3	21.4	70.9	1013.1	0	
1/01/2020 22:30	162	0.6	2.3	21.1	71.1	1013.3	0	
1/01/2020 23:00	137	0.3	1.8	20.6	72.5	1013.5	0	
1/01/2020 23:30	153	0.2	1.9	20.3	71.2	1013.2	0	

2/01/2020 0:00	169	0.6	2.4	20.3	69.6	1013	0
2/01/2020 0:30	175	0.8	2.5	20.2	69.5	1013	0
2/01/2020 1:00	178	1.1	2.5	20.2	70.4	1012.8	0
2/01/2020 1:30	170	0.2	1.6	20.2	71.4	1012.6	0
2/01/2020 2:00	169	1.5	2.8	20.2	71	1012.4	0
2/01/2020 2:30	148	0.1	0.8	20.4	70.8	1012.3	0
2/01/2020 3:00	131	0.4	1.7	20.3	71.7	1012.4	0
2/01/2020 3:30	199	0.1	0.9	20.3	71.1	1012.3	0
2/01/2020 4:00	171	0.1	0.6	20.6	69.8	1012.4	0
2/01/2020 4:30	168	0.4	1.1	20.8	67.4	1012.8	0
2/01/2020 5:00	151	0.2	1.7	20.6	67.4	1012.9	0
2/01/2020 5:30	144	0.4	1.7	20.6	66.9	1013.2	0
2/01/2020 6:00	168	0.1	0.7	20.6	66.6	1013.5	0
2/01/2020 6:30	148	0	1	20.6	68	1013.9	0
2/01/2020 7:00	142	0.4	1.3	20.8	68.4	1014.2	0
2/01/2020 7:30	133	0.1	1.8	20.9	67.9	1014.3	0
2/01/2020 8:00	136	1.1	2.1	21.8	64.9	1014.3	0
2/01/2020 8:30	141	0.4	1.4	22.2	62.9	1014.3	0
2/01/2020 9:00	146	0.3	1.7	22.2	61.6	1014.2	0
2/01/2020 9:30	210	0.1	1.1	22.9	59.6	1014	0
2/01/2020 10:00	115	0.1	1.3	23.1	57.4	1013.7	0
2/01/2020 10:30	108	0	0.6	23.9	56.6	1013.5	0
2/01/2020 11:00	133	0.2	1.1	24	55	1013.2	0
2/01/2020 11:30	147	0.7	2.5	25.2	51.7	1013	0
2/01/2020 12:00	139	0.1	1.2	25.5	50.4	1012.4	0
2/01/2020 12:30	335	0.2	0.8	26.2	48.9	1011.9	0
2/01/2020 13:00	200	0.1	0.8	27.4	44.6	1011.5	0
2/01/2020 13:30	138	0.7	3	28.3	41.2	1011.2	0
2/01/2020 14:00	145	0.5	2.5	28.3	41.3	1010.9	0
2/01/2020 14:30	129	0.4	2.3	28.4	41.4	1010.7	0
2/01/2020 15:00	139	0.1	3	27	44.7	1010.5	0
2/01/2020 15:30	109	0.4	2.8	27.1	46	1010.4	0
2/01/2020 16:00	144	0.9	3	26.2	48.9	1010.1	0
2/01/2020 16:30	138	0.3	2.6	25.6	52.3	1010.1	0
2/01/2020 17:00	123	0.3	2.6	25.1	56.7	1010.1	0
2/01/2020 17:30	111	0.2	3	24.7	60.3	1010.6	0
2/01/2020 18:00	144	1.3	2.6	24	63.7	1010.9	0
2/01/2020 18:30	116	0.2	1.8	23.5	67	1011.4	0
2/01/2020 19:00	107	0.3	1.3	23.1	68.9	1011.9	0
2/01/2020 19:30	141	0.8	1.9	23	68.7	1012.2	0
2/01/2020 20:00	149	2	3	22.9	69	1012.8	0
2/01/2020 20:30	124	0.2	1.5	22.7	70.3	1013	0
2/01/2020 21:00	135	0.8	1.8	22.7	70.9	1013.2	0
2/01/2020 21:30	141	0.8	1.6	22.7	71.1	1013.5	0
2/01/2020 22:00	142	0.8	1.9	22.7	71.3	1013.5	0
2/01/2020 22:30	148	0.9	1.7	22.8	71.8	1013.6	0
2/01/2020 23:00	137	0.5	1.7	22.6	72.9	1013.5	0
2/01/2020 23:30	145	0.2	1.2	22.6	73.6	1013	0
3/01/2020 0:00	143	0.2	0.8	22.6	73.6	1012.7	0
3/01/2020 0:30	126	0.3	1.3	22.4	73.8	1012.3	0
3/01/2020 1:00	146	0.8	1.4	22.4	73.2	1012	0
3/01/2020 1:30	148	0	0.8	22.3	72.5	1011.6	0
3/01/2020 2:00	137	0.1	0.5	22.3	72.3	1011.3	0
3/01/2020 2:30	190	0.5	1	22.3	72.4	1011.3	0
3/01/2020 3:00	157	0.1	0.5	22.3	72.8	1011.2	0
3/01/2020 3:30	149	0.3	1.6	22.4	72.2	1011.1	0
3/01/2020 4:00	143	0.2	0.9	22.2	73.8	1011.1	0
3/01/2020 4:30	150	0.2	0.7	22.1	74.7	1011.3	0
3/01/2020 5:00	198	0	0.2	22	75.9	1011.5	0
3/01/2020 5:30	165	0	1	22.1	75.1	1011.5	0
3/01/2020 6:00	215	0	0.5	22.1	75.1	1011.6	0
3/01/2020 6:30	204	0.2	0.7	22.8	71.3	1011.7	0
3/01/2020 7:00	186	0.5	1	23.5	69.3	1012	0
3/01/2020 7:30	159	0	1	24.2	66.6	1011.9	0
3/01/2020 8:00	136	0.6	1.7	25.3	62.4	1011.8	0
3/01/2020 8:30	55	0.4	1.1	26.5	57.8	1011.7	0
3/01/2020 9:00	352	0.1	0.8	25.9	60.9	1011.3	0
3/01/2020 9:30	61	0.1	0.7	26.2	58.9	1011	0
3/01/2020 10:00	56	0.1	1.8	28.2	53.6	1010.3	0
3/01/2020 10:30	13	0.2	2	28.2	51.8	1009.9	0
3/01/2020 11:00	15	0.2	2	29	50.4	1009.2	0
3/01/2020 11:30	29	0.3	2.1	29.8	46.9	1008.7	0
3/01/2020 12:00	74	0.1	0.9	31.1	44.9	1008	0
3/01/2020 12:30	35	0.1	0.6	32.6	41.2	1007.3	0
3/01/2020 13:00	117	0.3	2.9	33.2	39.9	1006.7	0
3/01/2020 13:30	140	0.2	2.3	33.3	44.2	1006.2	0
3/01/2020 14:00	84	1.6	3.3	32.9	45.5	1005.9	0
3/01/2020 14:30	109	0.3	2.9	32.7	46.3	1005.5	0
3/01/2020 15:00	113	0.3	2.5	32.5	46.3	1005.2	0
3/01/2020 15:30	119	0.2	2.5	31.7	47.5	1005.2	0
3/01/2020 16:00	101	0.2	2.2	30.6	52.2	1004.8	0
3/01/2020 16:30	101	0.3	3.2	30.3	52.6	1004.3	0
3/01/2020 17:00	77	0.2	2.3	30	47.8	1004.5	0
3/01/2020 17:30	117	0.1	2.1	29.4	47.3	1004.9	0
3/01/2020 18:00	56	0.2	2.7	28.8	51.2	1005.3	0
3/01/2020 18:30	77	0.6	2.2	28.1	54.6	1005.7	0
3/01/2020 19:00	67	0.3	1.9	27.5	55	1005.8	0
3/01/2020 19:30	35	0.1	1.1	27.1	57	1006	0
3/01/2020 20:00	97	0	0.4	26.7	58.1	1006	0
3/01/2020 20:30	218	0	0.3	26.4	58.3	1006.3	0
3/01/2020 21:00	240	0	0.1	25.9	60	1006.4	0
3/01/2020 21:30	138	0.1	0.3	25.3	61.8	1006.3	0
3/01/2020 22:00	141	0.2	0.8	25.3	64.1	1006.2	0
3/01/2020 22:30	116	0.3	1	24.9	68.1	1006	0
3/01/2020 23:00	160	0.4	1	24.4	70.9	1005.9	0

3/01/2020 23:30	144	0.4	1	24.2	72.9	1005.8	0	
4/01/2020 0:00	149	1	1.9	23.7	76.4	1005.6	0	
4/01/2020 0:30	142	0	0.7	23.4	78.4	1005.4	0	
4/01/2020 1:00	122	0.3	0.7	23.3	79.3	1004.9	0	
4/01/2020 1:30	182	0.2	0.5	23.1	80.3	1004.6	0	
4/01/2020 2:00	180	0.3	0.6	22.7	81.6	1004.5	0	
4/01/2020 2:30	139	0	0.3	22.6	82.4	1004.4	0	
4/01/2020 3:00	181	0.1	0.2	22.3	82.7	1004.4	0	
4/01/2020 3:30	274	0	0.2	21.9	83.2	1004.4	0	
4/01/2020 4:00	125	0	0.2	21.5	85	1004.5	0	
4/01/2020 4:30	212	0	0.2	21.3	85.9	1004.6	0	
4/01/2020 5:00	130	0	0.1	21.3	86.8	1005.1	0	
4/01/2020 5:30	63	0.1	0.5	21.7	86.9	1005	0	
4/01/2020 6:00	285	0	0.2	22.8	82.5	1005.1	0	
4/01/2020 6:30	292	0	0.5	24.1	76.6	1005.2	0	
4/01/2020 7:00	51	0.2	1.6	25	72.3	1005.2	0	
4/01/2020 7:30	16	0.2	1.5	25.7	66.8	1005.3	0	
4/01/2020 8:00	340	0	0.4	27	60.5	1004.9	0	
4/01/2020 8:30	27	0.3	1.1	28.7	54.8	1004.6	0	
4/01/2020 9:00	4	0.1	1.3	30.5	48.7	1003.9	0	0
4/01/2020 9:30	339	0.3	1.4	32.6	42.1	1003.4	0	
4/01/2020 10:00	67	0.5	2.2	35.8	34.7	1002.9	0	
4/01/2020 10:30	327	0.7	2.2	38.4	28.9	1002.3	0	
4/01/2020 11:00	61	0.1	3	40.7	23.6	1001.7	0	
4/01/2020 11:30	23	0.2	1.5	43	18.7	1001.1	0	
4/01/2020 12:00	352	0.3	2.7	43.8	17.7	1000.4	0	
4/01/2020 12:30	6	0.3	2.2	44.3	13.6	1000	0	
4/01/2020 13:00	286	0.1	0.8	44.8	12.4	999.6	0	
4/01/2020 13:30	52	0.1	2.2	45.4	10.7	999.3	0	
4/01/2020 14:00	333	0.1	1.3	45.8	11.2	999	0	
4/01/2020 14:30	348	0.1	1.1	45.3	11.7	998.6	0	
4/01/2020 15:00	329	0.2	2.4	45.7	10.9	998.3	0	
4/01/2020 15:30	312	0.1	2.1	46	11.2	997.8	0	
4/01/2020 16:00	341	0.1	1.3	45.8	10.5	997.5	0	
4/01/2020 16:30	332	0.1	2	45.8	10.8	997.3	0	
4/01/2020 17:00	0	0.2	2.3	45.9	11	997.3	0	
4/01/2020 17:30	350	0.5	2.3	45.5	11.1	997.4	0	
4/01/2020 18:00	27	0	0.2	44.3	11.7	997.7	0	
4/01/2020 18:30	70	0.3	1.7	41.1	20.3	998	0	
4/01/2020 19:00	352	0	0.4	39.2	23.8	998.7	0	
4/01/2020 19:30	159	0	0.6	37.5	27.1	999	0	
4/01/2020 20:00	216	0.3	0.5	35.9	32.3	999.4	0	
4/01/2020 20:30	216	0	0.2	34.6	35.8	999.7	0	
4/01/2020 21:00	164	0.1	2	30.7	39.6	1002.3	0	
4/01/2020 21:30	158	0.5	3.8	27.9	47.9	1003.8	0	
4/01/2020 22:00	143	0.3	1.8	26.8	50.3	1004.8	0	
4/01/2020 22:30	190	0.5	3.7	26.2	50.6	1005.9	0	
4/01/2020 23:00	150	1	4.8	25.6	50.4	1006.9	0	
4/01/2020 23:30	171	0.4	2.5	24.9	50.7	1007.2	0	
5/01/2020 0:00	158	0.3	2.4	24.5	51.3	1007.2	0	
5/01/2020 0:30	158	0.1	2.4	24.4	47.9	1007.9	0	
5/01/2020 1:00	174	2.4	4.3	24.2	44.7	1008.3	0	
5/01/2020 1:30	179	0.5	3.1	24.1	36.7	1008.6	0	
5/01/2020 2:00	175	1.3	2.6	24.1	30.7	1008.6	0	
5/01/2020 2:30	160	1	2	24.1	28.2	1008.8	0	
5/01/2020 3:00	212	0	0.5	24.1	27.7	1009	0	
5/01/2020 3:30	105	0	0.4	23.5	31.1	1009.3	0	
5/01/2020 4:00	168	0.3	0.7	22.6	28.2	1009.6	0	
5/01/2020 4:30	144	0.2	0.6	22.8	25.6	1010.3	0	
5/01/2020 5:00	168	0.1	1.2	22.8	30.8	1010.8	0	
5/01/2020 5:30	178	0.4	1.4	22.5	34.8	1011.3	0	
5/01/2020 6:00	134	1.5	3.3	22.5	42.4	1012	0	
5/01/2020 6:30	158	0.6	2.3	22.5	50.2	1012.7	0	
5/01/2020 7:00	147	0.5	2.1	22.5	54.2	1012.9	0	
5/01/2020 7:30	151	0.7	2.7	22.6	53.6	1012.9	0	
5/01/2020 8:00	131	0.1	2.7	23.3	52.7	1013.1	0	
5/01/2020 8:30	130	0.3	2.6	24.1	51.1	1013.1	0	
5/01/2020 9:00	145	0.4	2	24.5	48.9	1012.9	0	0
5/01/2020 9:30	137	0.6	2.8	25.6	46	1013	0	
5/01/2020 10:00	146	0.7	2.6	25.8	45	1012.8	0	
5/01/2020 10:30	142	0.7	3.1	26.7	43.3	1012.8	0	
5/01/2020 11:00	124	0.1	2.2	26.5	43.3	1012.6	0	
5/01/2020 11:30	111	0.8	3.1	26.7	43.2	1012.4	0	
5/01/2020 12:00	150	1.6	3.5	26.5	44.9	1012	0	
5/01/2020 12:30	133	0.9	3.8	26.2	48.1	1011.9	0	
5/01/2020 13:00	147	0.9	3.1	26.5	46.3	1011.9	0	
5/01/2020 13:30	140	1.2	3.1	26.4	45.7	1011.9	0	
5/01/2020 14:00	139	1.6	4.4	24.7	55.6	1012.3	0	
5/01/2020 14:30	141	0.5	4.9	23.3	59.2	1012.6	0	
5/01/2020 15:00	143	1.3	3.3	22.8	59.1	1012.9	0	
5/01/2020 15:30	147	1.6	3.9	22.5	58.2	1013.1	0	
5/01/2020 16:00	150	1.2	4.6	22	58.9	1013.5	0	
5/01/2020 16:30	143	0.7	4.2	21.7	60	1013.9	0	
5/01/2020 17:00	176	0.2	1.7	21.6	59.7	1014	0	
5/01/2020 17:30	143	0.4	3.1	21.4	58.5	1014.5	0	
5/01/2020 18:00	137	0.9	3.2	21.3	59.7	1014.9	0	
5/01/2020 18:30	128	0.1	0.8	21	60.4	1015.5	0	
5/01/2020 19:00	145	0.3	1.9	20.7	61.2	1015.9	0.01	



5/01/2020 19:30	165	0.4	2	20.7	61.2	1016.7	0.01	
5/01/2020 20:00	153	1.4	3.6	20.9	56.7	1016.8	0.01	
5/01/2020 20:30	141	1.1	2.8	21.1	53.8	1017.5	0.01	
5/01/2020 21:00	149	0.8	2.4	21.2	52.5	1017.8	0.01	
5/01/2020 21:30	144	0.9	2.4	21.1	54	1017.9	0.01	
5/01/2020 22:00	138	0.1	1	21	54.9	1017.7	0.01	
5/01/2020 22:30	149	0.6	2	20.8	58.5	1017.4	0.01	
5/01/2020 23:00	154	0.9	1.9	20.7	60	1017.1	0.01	
5/01/2020 23:30	153	0.1	0.5	20.4	61.7	1016.8	0.01	
6/01/2020 0:00	164	0.5	0.6	20.1	63.1	1016.7	0.01	
6/01/2020 0:30	165	0.5	1	19.9	64.4	1016.1	0.01	
6/01/2020 1:00	229	0	0.2	19.6	65.3	1016	0.01	
6/01/2020 1:30	317	0	0.4	19.2	66.7	1015.9	0.01	
6/01/2020 2:00	119	0	0.2	19.2	66.5	1015.4	0.01	
6/01/2020 2:30	167	0.9	1.9	19.3	66.9	1014.3	0.02	
6/01/2020 3:00	171	0	0.3	19.2	69	1014.4	0.02	
6/01/2020 3:30	170	0.5	1.1	19.2	68.7	1014.1	0.02	
6/01/2020 4:00	141	0	0.4	19.2	69.7	1014.3	0.02	
6/01/2020 4:30	277	0	0.3	19.3	70	1014.7	0.02	
6/01/2020 5:00	198	0	0.2	19	71.9	1015	0.02	
6/01/2020 5:30	252	0	0.2	18.7	72.4	1015.4	0.02	
6/01/2020 6:00	157	0.1	0.7	19.1	72.1	1015.4	0.02	
6/01/2020 6:30	182	0.7	1.5	19.5	68.7	1015.2	0.02	
6/01/2020 7:00	156	0.1	0.7	20.8	66.3	1015	0.02	
6/01/2020 7:30	237	0.3	0.7	21.1	65.6	1015.5	0.02	
6/01/2020 8:00	60	0.9	1.6	21.2	66.5	1015.4	0.02	
6/01/2020 8:30	40	0.1	1	21.2	65.9	1015.1	0.02	
6/01/2020 9:00	2	0	0.7	21.6	63.8	1014.9	0.02	0.02
6/01/2020 9:30	131	0.1	0.7	22.1	64.6	1014.9	0	
6/01/2020 10:00	83	0.1	0.9	22.8	59.8	1014.7	0	
6/01/2020 10:30	146	1	1.6	22.8	61	1014.5	0	
6/01/2020 11:00	125	0.3	1	22.4	64	1014.6	0	
6/01/2020 11:30	171	0	1	22.4	64.9	1014.3	0	
6/01/2020 12:00	168	0.4	0.9	22.8	62.1	1013.8	0	
6/01/2020 12:30	77	0.2	1.5	23.7	59.3	1013.3	0	
6/01/2020 13:00	127	0.2	1.8	23.9	59	1012.9	0	
6/01/2020 13:30	79	0.1	1	24.1	59.3	1012.6	0	
6/01/2020 14:00	77	0.3	1.7	23.7	58.4	1012.2	0	
6/01/2020 14:30	64	0.2	1.9	24	59.2	1011.9	0	
6/01/2020 15:00	70	0.2	1.3	23.9	59	1011.4	0	
6/01/2020 15:30	58	0.2	1.2	23.9	59.2	1011.3	0	
6/01/2020 16:00	85	0.2	1.1	23.8	59.4	1011.2	0	
6/01/2020 16:30	117	0.1	1.5	23.4	63.9	1011.1	0	
6/01/2020 17:00	92	0.3	1.5	23.1	66.2	1011.6	0	
6/01/2020 17:30	124	0.1	1.3	22.6	67	1012.4	0	
6/01/2020 18:00	96	0.4	1.5	22.6	69.6	1012.6	0	
6/01/2020 18:30	67	0.4	2.1	22.3	73.8	1013	0.12	
6/01/2020 19:00	79	0.1	0.8	21.3	81.3	1013.1	0.14	
6/01/2020 19:30	96	0.1	0.7	21.4	82.8	1013.9	0.14	
6/01/2020 20:00	69	0.2	1.4	21.3	83.8	1014.1	0.14	
6/01/2020 20:30	88	0.3	1.1	21.3	83.8	1014.3	0.14	
6/01/2020 21:00	130	0.2	1.8	20.8	83.8	1014.2	0.14	
6/01/2020 21:30	139	0.7	1.3	20.8	81.1	1014.2	0.14	
6/01/2020 22:00	228	0.1	0.7	21.1	82.7	1013.9	0.14	
6/01/2020 22:30	92	0.3	1	21.3	84.4	1012.6	0.14	
6/01/2020 23:00	184	0.1	0.4	21.3	85.7	1013	0.14	
6/01/2020 23:30	270	0	0.1	21.3	85	1013.1	0.14	
7/01/2020 0:00	324	0	0.4	21.4	85.2	1013.3	0.14	
7/01/2020 0:30	25	0	0.3	20.9	87.1	1012.7	0.14	
7/01/2020 1:00	136	0	0.5	20.5	88.7	1011.3	0.14	
7/01/2020 1:30	144	0.3	0.8	20.3	89.6	1010.6	0.14	
7/01/2020 2:00	229	0	0.3	20.2	89.4	1010	0.14	
7/01/2020 2:30	260	0	0.2	20.1	89.6	1010.1	0.14	
7/01/2020 3:00	266	0	0.2	20.1	89.3	1010.1	0.14	
7/01/2020 3:30	172	0.3	0.9	20.4	88.8	1010.1	0.14	
7/01/2020 4:00	142	0.2	0.7	20.4	87.7	1010.1	0.14	
7/01/2020 4:30	172	0.1	0.6	20.6	87	1010	0.14	
7/01/2020 5:00	271	0.1	0.3	20.5	86.5	1009.9	0.14	
7/01/2020 5:30	307	0.1	0.7	20.5	87.1	1011	0.14	
7/01/2020 6:00	349	0	0.8	20.5	85.6	1010.6	0.14	
7/01/2020 6:30	4	0.1	0.9	21.4	83.8	1010.5	0.14	
7/01/2020 7:00	11	0.3	1.8	21.8	79.5	1009.5	0.14	
7/01/2020 7:30	348	0.1	1.4	22.3	80.7	1010.3	0.16	
7/01/2020 8:00	18	0.1	1.4	22.8	79.3	1009.9	0.16	
7/01/2020 8:30	22	0	1.6	23.4	75.7	1008.7	0.16	
7/01/2020 9:00	315	0.2	0.9	24.9	70.1	1008.6	0.18	0.18
7/01/2020 9:30	227	0.2	1	25.3	66.4	1008.8	0	
7/01/2020 10:00	34	0.1	1.8	25.8	63.3	1008.4	0	
7/01/2020 10:30	59	0.8	2.7	27.3	58.6	1008.1	0	
7/01/2020 11:00	75	0.1	2.1	28.4	53.3	1007.7	0	
7/01/2020 11:30	29	0.2	1.4	29.9	49.8	1007.5	0	
7/01/2020 12:00	31	0.3	2.1	29.6	49.4	1007	0	
7/01/2020 12:30	36	0.1	1.2	29.2	50	1006.7	0	
7/01/2020 13:00	23	0.2	1.9	29.9	49.9	1006.3	0	
7/01/2020 13:30	0	0.2	1.6	29.9	49.4	1005.9	0	
7/01/2020 14:00	64	0.5	1.9	30.3	48.5	1005.4	0	
7/01/2020 14:30	29	0.2	1.8	30.9	45.4	1005.1	0	
7/01/2020 15:00	47	0.5	2.7	32.6	41.1	1004.3	0	
7/01/2020 15:30	10	0.4	2.8	33.3	40.9	1003.8	0	
7/01/2020 16:00	92	0.6	2.2	33.9	41	1003.2	0	
7/01/2020 16:30	110	0.2	1.5	34.1	40.2	1003.1	0	
7/01/2020 17:00	143	0.2	1.4	30.6	56.2	1003.1	0	
7/01/2020 17:30	115	0.2	2.6	29	61.1	1003.7	0	
7/01/2020 18:00	140	0.2	2.3	28.1	62.7	1004.2	0	
7/01/2020 18:30	118	0.1	1.1	27.8	62.9	1004.3	0	

7/01/2020 19:00	130	0.2	1.2	27.4	62	1004.6	0	
7/01/2020 19:30	99	0	1	27.3	62	1005	0	
7/01/2020 20:00	137	0.6	1.3	26.9	65	1005.7	0	
7/01/2020 20:30	145	0.1	1.6	26.1	69.2	1006.2	0	
7/01/2020 21:00	176	0.2	1.4	25.8	72.3	1006.4	0	
7/01/2020 21:30	187	0.5	1.4	25	76.1	1006.9	0	
7/01/2020 22:00	148	0.4	2	24.5	79.2	1006.9	0	
7/01/2020 22:30	176	1.3	3.1	24.3	80.5	1008.2	0	
7/01/2020 23:00	183	0.1	1	24.5	75.9	1009.3	0	
7/01/2020 23:30	79	0.1	1.2	23.7	84.3	1007.2	1.19	
8/01/2020 0:00	229	0.1	0.4	23.2	88.3	1007.7	1.28	
8/01/2020 0:30	164	0.5	1.5	23	87.5	1007.6	1.28	
8/01/2020 1:00	130	0	0.3	22.7	87	1007.8	1.28	
8/01/2020 1:30	176	0.5	1.4	22.8	87.5	1007.5	1.28	
8/01/2020 2:00	146	0.1	1.5	22.7	86.9	1007.3	1.28	
8/01/2020 2:30	148	0.3	1.2	22.8	85.5	1007.2	1.28	
8/01/2020 3:00	153	0	0.8	22.9	84.7	1007.3	1.28	
8/01/2020 3:30	134	0.3	0.8	22.8	85	1007.3	1.28	
8/01/2020 4:00	137	0.8	1.3	22.3	84.3	1007.8	1.28	
8/01/2020 4:30	194	0.2	0.5	22	85.8	1008.3	1.28	
8/01/2020 5:00	153	1	1.7	21.8	85.1	1008.7	1.28	
8/01/2020 5:30	106	0.3	1.2	22	84.7	1009.1	1.28	
8/01/2020 6:00	109	0.3	0.9	22.3	83.6	1009.3	1.28	
8/01/2020 6:30	146	0.2	1.3	22.5	81.8	1009.6	1.28	
8/01/2020 7:00	124	0.1	0.6	22.5	80.5	1009.9	1.28	
8/01/2020 7:30	129	0.1	1.2	23.5	76.4	1010.1	1.28	
8/01/2020 8:00	169	0.2	1.3	23.5	74.3	1010.2	1.28	
8/01/2020 8:30	156	0.1	0.9	24.2	72.4	1010.2	1.28	
8/01/2020 9:00	155	1.2	2	24.9	67.5	1010.1	1.28	1.28
8/01/2020 9:30	153	1.5	2.4	25	65.6	1010	0	
8/01/2020 10:00	161	0.1	1.4	26.1	63	1009.8	0	
8/01/2020 10:30	79	0.5	2.3	26.1	58.5	1009.7	0	
8/01/2020 11:00	96	0.1	1.2	27.2	54.5	1009.5	0	
8/01/2020 11:30	69	0.7	2.9	27.8	52.1	1009.3	0	
8/01/2020 12:00	104	0.1	1.2	27.9	52.3	1008.9	0	
8/01/2020 12:30	140	0.5	2.8	29.1	49.6	1008.9	0	
8/01/2020 13:00	129	0.2	3	28.1	51.4	1008.6	0	
8/01/2020 13:30	115	1.5	3.6	28.1	50.2	1008.6	0	
8/01/2020 14:00	142	0.5	2.9	27.9	51.5	1008.7	0	
8/01/2020 14:30	144	0.5	2.8	27.8	51.1	1008.4	0	
8/01/2020 15:00	135	0.3	2.8	27	53.6	1008.2	0	
8/01/2020 15:30	141	0.8	3.4	26.5	54.9	1007.9	0	
8/01/2020 16:00	136	0.7	3.2	25.7	57.5	1008.2	0	
8/01/2020 16:30	132	0.4	2.4	25	58.2	1008.4	0	
8/01/2020 17:00	109	0.7	3.3	25.1	57	1008.5	0	
8/01/2020 17:30	138	1.6	3.1	24.5	57.1	1009.2	0	
8/01/2020 18:00	139	0.6	2.3	24.2	57.9	1009.2	0	
8/01/2020 18:30	142	0.1	1.3	23.7	61.9	1010.1	0	
8/01/2020 19:00	128	0.3	1.6	23.4	68	1010.5	0	
8/01/2020 19:30	153	0.2	1.5	23	71.4	1010.8	0	
8/01/2020 20:00	145	0	0.9	22.9	71.6	1011.1	0	
8/01/2020 20:30	174	0.7	2.4	22.9	69.7	1011.7	0	
8/01/2020 21:00	153	0.4	2	22.8	69.3	1011.8	0	
8/01/2020 21:30	182	0.8	2.6	22.8	66.9	1012.1	0	
8/01/2020 22:00	134	0	0.3	22.9	67.3	1012.3	0	
8/01/2020 22:30	153	0.6	1.1	22.9	65.6	1012.1	0	
8/01/2020 23:00	127	0.4	0.8	22.9	65.7	1011.9	0	
8/01/2020 23:30	172	0.4	1.2	22.6	64.7	1011.6	0	
9/01/2020 0:00	184	0	0.4	22.7	64.7	1011.4	0	
9/01/2020 0:30	163	0.6	1.3	22.7	65.5	1011.1	0	
9/01/2020 1:00	180	0	0.3	22.6	67.5	1010.8	0	
9/01/2020 1:30	179	0	1.2	22.4	67.1	1010.7	0	
9/01/2020 2:00	183	0	0.5	22.2	68.8	1010.3	0	
9/01/2020 2:30	161	0.1	0.9	22.3	67.1	1010.4	0	
9/01/2020 3:00	174	0.4	1	22.3	66.9	1010.4	0	
9/01/2020 3:30	172	0.4	0.9	22.1	68	1010.4	0	
9/01/2020 4:00	139	0.3	0.9	22.1	68.5	1010.5	0	
9/01/2020 4:30	167	0.4	1.1	22	69.6	1010.9	0	
9/01/2020 5:00	190	0.1	0.6	22.1	68.6	1011.4	0	
9/01/2020 5:30	169	0.7	1.6	22	70	1011.5	0	
9/01/2020 6:00	152	0.3	0.9	22	70.3	1011.9	0	
9/01/2020 6:30	186	0.1	1	22.1	70.2	1012	0	
9/01/2020 7:00	187	1.3	2.4	22.4	68.1	1012.3	0	
9/01/2020 7:30	174	0	0.8	22.4	68.4	1012.5	0	
9/01/2020 8:00	201	0.1	1.5	22.6	66.8	1012.5	0	
9/01/2020 8:30	129	0.6	3	22.7	67.3	1012.5	0	
9/01/2020 9:00	117	0.2	1.1	22.4	70.5	1012.6	0	0
9/01/2020 9:30	206	0.2	1.4	22.7	69.7	1012.7	0	
9/01/2020 10:00	142	0.2	1.3	23.7	63.9	1012.8	0	
9/01/2020 10:30	157	0.4	1.7	24.3	60.8	1012.6	0	
9/01/2020 11:00	147	0.5	1.4	24.9	59.4	1012.4	0	
9/01/2020 11:30	114	0.3	2.4	24.9	58	1012.3	0	
9/01/2020 12:00	116	0.1	0.8	25.1	57.4	1011.9	0	
9/01/2020 12:30	203	0.1	1.2	25.8	56	1011.7	0	
9/01/2020 13:00	137	1.7	3.2	26.2	55	1011.3	0	
9/01/2020 13:30	129	0.7	1.6	26.2	56.6	1011	0	
9/01/2020 14:00	123	0.1	1.3	26.2	56.8	1010.9	0	
9/01/2020 14:30	86	0.3	1.6	26.5	55.6	1010.4	0	
9/01/2020 15:00	92	0.1	1.6	25.6	58	1010.3	0	
9/01/2020 15:30	144	0.2	1.4	25.4	60.2	1010.1	0	
9/01/2020 16:00	147	0.3	1.8	25.5	58.9	1009.7	0	
9/01/2020 16:30	132	0.9	2.3	25.5	59.6	1009.7	0	
9/01/2020 17:00	138	1.5	2.6	25.3	62.4	1009.5	0	
9/01/2020 17:30	144	0.9	2.3	24.5	65.6	1009.9	0	
9/01/2020 18:00	141	0.9	1.9	23.8	67.8	1010.3	0	

9/01/2020 18:30	142	0.4	2.2	24	69.1	1010.2	0	
9/01/2020 19:00	145	0.1	1.1	23.8	70.6	1010.3	0	
9/01/2020 19:30	151	0.9	1.7	23.5	72.7	1010.5	0	
9/01/2020 20:00	164	0.1	1.1	23.2	75.2	1010.8	0	
9/01/2020 20:30	140	0.3	1	23.1	76.2	1011	0	
9/01/2020 21:00	159	0	0.6	23	77.3	1011.1	0	
9/01/2020 21:30	136	0	0.5	23	77.4	1011	0	
9/01/2020 22:00	146	0.5	1	22.9	77.9	1010.9	0	
9/01/2020 22:30	143	0.3	0.8	22.9	78.6	1010.6	0	
9/01/2020 23:00	148	0.3	0.6	22.9	78.6	1010.3	0	
9/01/2020 23:30	162	0.3	1.1	22.8	79	1010	0	
10/01/2020 0:00	157	0.2	0.6	22.8	79.2	1009.8	0	
10/01/2020 0:30	223	0.4	0.6	22.5	80.3	1009.7	0	
10/01/2020 1:00	195	0	0.2	22.4	83.1	1009.3	0	
10/01/2020 1:30	197	0	0.4	22.4	81.4	1008.9	0	
10/01/2020 2:00	256	0	0.2	22.3	82.8	1008.5	0	
10/01/2020 2:30	309	0	0.2	22.3	82.6	1008.1	0	
10/01/2020 3:00	272	0	0.2	22.3	82.4	1007.9	0	
10/01/2020 3:30	292	0	0.2	22.1	82.3	1007.6	0	
10/01/2020 4:00	202	0	0.3	22.4	81.5	1007.7	0	
10/01/2020 4:30	0	0.1	0.3	22.4	81.2	1007.9	0	
10/01/2020 5:00	0	0.2	0.4	22.7	79.1	1007.8	0	
10/01/2020 5:30	326	0.2	0.6	22.5	80.3	1008	0	
10/01/2020 6:00	261	0	0.2	22.6	80.3	1008.3	0	
10/01/2020 6:30	6	0	0.6	22.8	79.8	1008.5	0	
10/01/2020 7:00	38	0.2	1	22.8	79	1008.5	0	
10/01/2020 7:30	342	0.1	1.1	23.3	76.7	1008.3	0	
10/01/2020 8:00	327	0.2	1.3	24	74.7	1008	0	
10/01/2020 8:30	74	0.7	2.3	24.2	72.3	1007.3	0	
10/01/2020 9:00	29	0.4	2.2	25.8	66.1	1006.9	0	0
10/01/2020 9:30	8	0.3	3	26.7	60.7	1006.2	0	
10/01/2020 10:00	351	0.1	1.1	27.7	57.3	1005.7	0	
10/01/2020 10:30	55	0.2	2.8	28.9	54.2	1004.9	0	
10/01/2020 11:00	23	0.5	2.7	30.3	49.2	1004.3	0	
10/01/2020 11:30	31	0.2	1.5	31.4	46.9	1003.7	0	
10/01/2020 12:00	81	0.1	1.4	31.9	45	1002.8	0	
10/01/2020 12:30	38	0.4	2.2	33.5	40.9	1002	0	
10/01/2020 13:00	97	0	1.3	34.6	38.3	1001.4	0	
10/01/2020 13:30	158	0	0.6	35.4	35.4	1000.9	0	
10/01/2020 14:00	140	0.2	2.9	35.8	39.2	1000.2	0	
10/01/2020 14:30	92	0.8	2.6	35.9	40.8	999.5	0	
10/01/2020 15:00	78	0.4	2.8	35.9	41.1	998.9	0	
10/01/2020 15:30	79	0.4	2.6	35.2	41.8	998.3	0	
10/01/2020 16:00	79	0.3	2.7	34.7	42.5	997.8	0	
10/01/2020 16:30	84	0.5	2.3	34.4	43.6	997.2	0	
10/01/2020 17:00	59	1.3	3.1	34.6	42.5	997	0	
10/01/2020 17:30	74	0.5	2	34	43.9	996.9	0	
10/01/2020 18:00	128	0.1	0.9	33.9	43.9	996.9	0	
10/01/2020 18:30	69	0.1	0.7	33.3	45.1	997.1	0	
10/01/2020 19:00	74	0.2	0.9	32.4	46.3	997.4	0	
10/01/2020 19:30	240	0.2	0.3	30.9	50.5	997.6	0	
10/01/2020 20:00	217	0.3	0.5	29.7	54.7	997.5	0	
10/01/2020 20:30	265	0	0.2	28.9	58.7	997.4	0	
10/01/2020 21:00	232	0	0.1	28.1	61.6	997.3	0	
10/01/2020 21:30	215	0	0.2	27.6	65	997.1	0	
10/01/2020 22:00	351	0	0.1	27.1	67	996.7	0	
10/01/2020 22:30	357	0	0.2	27	69.2	996.4	0	
10/01/2020 23:00	130	0	0.2	26.6	70	996.3	0	
10/01/2020 23:30	194	0	0.2	26.6	68.8	996.2	0	
11/01/2020 0:00	174	0	0.4	26.8	65.8	997.1	0	
11/01/2020 0:30	148	0.4	0.8	28.3	58.4	997	0	
11/01/2020 1:00	121	0.3	3.1	28.4	58.6	998.3	0	
11/01/2020 1:30	114	0.2	2.2	24	67.2	999	0	
11/01/2020 2:00	155	0.4	3.1	23.4	67.1	1000.2	0	
11/01/2020 2:30	157	0.1	2.1	22.9	65.5	1001.1	0	
11/01/2020 3:00	140	0.2	3.1	22.6	65.1	1001.3	0	
11/01/2020 3:30	137	1.7	3.3	22.1	66.8	1002	0	
11/01/2020 4:00	161	0.4	1.5	21.4	66.6	1002.7	0	
11/01/2020 4:30	153	0.2	1.8	21.3	71.8	1004	0	
11/01/2020 5:00	162	0.3	3.2	21.2	72.2	1005	0	
11/01/2020 5:30	172	0.6	2.3	21	72	1005.9	0	
11/01/2020 6:00	135	0.2	0.9	20.6	76	1005.8	0.04	
11/01/2020 6:30	117	0.3	2.4	20.2	79.9	1005.5	0.09	
11/01/2020 7:00	147	0.3	1.7	19.4	83.2	1006.9	0.21	
11/01/2020 7:30	156	0.5	1.6	18.8	81.4	1007.7	0.23	
11/01/2020 8:00	168	1.3	2.7	18.9	77.3	1007.6	0.23	
11/01/2020 8:30	155	0.6	2.1	18.7	75.1	1008	0.23	
11/01/2020 9:00	167	1	1.9	19.3	72.8	1008	0.23	0.23
11/01/2020 9:30	146	0.5	1.2	19.5	69.9	1008.2	0	
11/01/2020 10:00	193	1.3	2.5	19.9	67.1	1008.5	0	
11/01/2020 10:30	164	0.2	2.5	20.3	62.3	1008.5	0	
11/01/2020 11:00	154	0.2	2	20.7	60.7	1008.5	0	
11/01/2020 11:30	153	0.2	1.5	21	56.9	1008.3	0	
11/01/2020 12:00	118	0.7	2	21	55.5	1008.1	0	
11/01/2020 12:30	142	1.1	2.8	22.1	53.1	1008	0	
11/01/2020 13:00	141	0.6	1.6	22.6	50.3	1007.7	0	
11/01/2020 13:30	127	0.3	1.5	22.6	51.5	1007.6	0	
11/01/2020 14:00	149	1.4	2.3	23.1	49.5	1007.3	0	
11/01/2020 14:30	132	1.5	2.8	22.5	51.6	1007.3	0	
11/01/2020 15:00	159	0.1	0.9	22.3	51.1	1007.2	0	
11/01/2020 15:30	146	0.1	0.9	22.2	51.1	1007.1	0	
11/01/2020 16:00	142	0.7	1.8	22.2	51.7	1007	0	
11/01/2020 16:30	143	1.5	2.7	21.9	51.3	1007	0	
11/01/2020 17:00	136	0.6	2	21.9	52.8	1007.5	0	
11/01/2020 17:30	141	0.3	1.2	21.6	54.3	1007.9	0	



11/01/2020 18:00	133	0.3	1.6	21.5	56.4	1008.6	0	
11/01/2020 18:30	141	1.1	1.8	21.3	58.6	1009.2	0	
11/01/2020 19:00	140	1.5	2.5	21.3	59.8	1009.5	0	
11/01/2020 19:30	139	0.5	1.9	21.1	61.1	1010.1	0	
11/01/2020 20:00	143	0.3	1.4	21	62.5	1010.6	0	
11/01/2020 20:30	141	0.8	1.6	21	63.3	1010.9	0	
11/01/2020 21:00	161	0.7	1.3	20.9	64.2	1011.1	0	
11/01/2020 21:30	186	0.9	1.5	21	64.3	1011.4	0	
11/01/2020 22:00	163	0.4	0.9	20.6	64.6	1011.2	0	
11/01/2020 22:30	132	0.3	0.9	20.1	75.7	1011.3	0.03	
11/01/2020 23:00	164	0.2	0.9	19.2	81.5	1011.6	0.07	
11/01/2020 23:30	251	0	0.3	19.2	77.8	1011.3	0.07	
12/01/2020 0:00	156	0.5	1.8	19.4	76.1	1011.3	0.07	
12/01/2020 0:30	290	0	0.4	19	79.5	1011.2	0	
12/01/2020 1:00	181	0.2	0.6	18.6	82.4	1011	0.01	
12/01/2020 1:30	207	0.6	0.9	17.7	85.6	1011.1	0.04	
12/01/2020 2:00	193	0.1	0.8	17.9	86.7	1010.9	0.04	
12/01/2020 2:30	152	0	0.5	18	86.6	1010.7	0.04	
12/01/2020 3:00	200	0	0.2	18	85.3	1010.8	0.04	
12/01/2020 3:30	161	0.7	1.4	18.2	82.1	1011	0.04	
12/01/2020 4:00	147	0.3	0.7	18.7	75.1	1011.1	0.04	
12/01/2020 4:30	167	0.6	1.4	19	70.1	1011.2	0.04	
12/01/2020 5:00	207	0.1	0.6	19	73.5	1011.6	0.04	
12/01/2020 5:30	117	0	0.4	19.3	71.8	1011.5	0.04	
12/01/2020 6:00	159	0	0.1	19.1	73.1	1011.7	0.04	
12/01/2020 6:30	257	0	0.2	19.4	72.6	1011.9	0.04	
12/01/2020 7:00	132	0.1	0.4	20.1	64.8	1011.8	0.04	
12/01/2020 7:30	175	1.6	2.3	20.1	66	1012.3	0.04	
12/01/2020 8:00	155	0.7	1.7	20.4	64.3	1012.6	0.04	
12/01/2020 8:30	186	0.6	1.2	20.6	63.5	1012.7	0.04	
12/01/2020 9:00	163	0.2	1.2	21.1	58.2	1012.8	0.04	0.04
12/01/2020 9:30	137	0.9	2	21.3	56.2	1013.2	0	
12/01/2020 10:00	132	1	2.3	20.1	67.8	1013.3	0	
12/01/2020 10:30	148	0.5	1.6	19	79.6	1013.5	0	
12/01/2020 11:00	174	0	0.5	18.8	82.5	1013.5	0.08	
12/01/2020 11:30	136	0.4	1.2	19.3	81.2	1013.4	0.08	
12/01/2020 12:00	142	1.2	2.2	19.4	74.6	1013.2	0.08	
12/01/2020 12:30	156	0.9	2.3	19.8	72.8	1013	0.08	
12/01/2020 13:00	136	1	2	20.2	69.9	1012.9	0.08	
12/01/2020 13:30	163	0.5	1.6	18.8	80.1	1013	0.08	
12/01/2020 14:00	145	0.2	0.8	18.2	84.9	1013.2	0.08	
12/01/2020 14:30	139	0.8	2.3	18.2	82.5	1013.2	0.08	
12/01/2020 15:00	161	0.2	0.9	18.6	78.7	1013.2	0.08	
12/01/2020 15:30	141	0.5	1	19	75.3	1013	0.08	
12/01/2020 16:00	151	0.7	3.1	19.4	72.8	1012.8	0.08	
12/01/2020 16:30	150	0.8	1.7	19.7	70.8	1012.8	0.08	
12/01/2020 17:00	134	1	2.1	18.6	77.3	1012.9	0.08	
12/01/2020 17:30	159	0	1.6	17.7	86.1	1013.2	0	
12/01/2020 18:00	184	1	2.2	17.7	87.7	1013.5	0	
12/01/2020 18:30	169	0.1	1.3	17.9	87.2	1014	0	
12/01/2020 19:00	187	0.6	1.2	17.9	86	1014.3	0	
12/01/2020 19:30	169	0.1	0.5	17.9	85.8	1014.4	0	
12/01/2020 20:00	232	0	0.1	17.9	84.7	1014.7	0	
12/01/2020 20:30	234	0	0.2	18.1	84.9	1014.7	0	
12/01/2020 21:00	193	0	0.1	18.1	85.4	1014.8	0	
12/01/2020 21:30	232	0	0.4	18.1	84.9	1014.8	0	
12/01/2020 22:00	170	0	0.1	18.1	85.4	1014.8	0	
12/01/2020 22:30	347	0	0.1	18.1	85.6	1014.7	0	
12/01/2020 23:00	127	0	0.3	18.1	86.7	1014.7	0	
12/01/2020 23:30	211	0	0.2	18.1	87	1014.5	0	
13/01/2020 0:00	345	0	0.2	17.7	87.6	1014.1	0	
13/01/2020 0:30	127	0	0.3	17.4	88.9	1014	0	
13/01/2020 1:00	130	0	0.4	17.3	89.1	1013.8	0	
13/01/2020 1:30	106	0	0.1	17.1	88.6	1013.5	0	
13/01/2020 2:00	208	0	0.4	16.4	89	1013.4	0	
13/01/2020 2:30	59	0	0.3	16.1	89.3	1013.4	0	
13/01/2020 3:00	100	0	0.2	15.9	89.9	1013.3	0	
13/01/2020 3:30	168	0	0.3	15.9	90.9	1013.2	0	
13/01/2020 4:00	144	0	0.2	16.2	90.6	1013.2	0	
13/01/2020 4:30	81	0	0.2	16.1	90.4	1013.4	0	
13/01/2020 5:00	208	0	0.2	16.9	89	1013.5	0	
13/01/2020 5:30	110	0	0.3	17.4	85.2	1013.8	0	
13/01/2020 6:00	228	0	0.4	17.6	81.4	1013.9	0	
13/01/2020 6:30	177	0.1	0.7	17.6	79.8	1014.1	0	
13/01/2020 7:00	171	0.5	1.2	17.7	79.6	1014.4	0	
13/01/2020 7:30	174	0.1	0.5	18	77.7	1014.6	0	
13/01/2020 8:00	178	0.1	1.1	19.2	73.5	1014.7	0	
13/01/2020 8:30	195	0.7	1.7	20.6	67.9	1014.6	0	
13/01/2020 9:00	257	0.1	0.7	22.1	61.9	1014.3	0	0
13/01/2020 9:30	42	0.1	0.5	23.2	57.4	1014.3	0	
13/01/2020 10:00	206	0.9	1.5	24	51.4	1014	0	
13/01/2020 10:30	68	0.4	1.6	23.6	48.4	1013.7	0	
13/01/2020 11:00	77	0.2	1.8	24.1	49	1013.5	0	
13/01/2020 11:30	67	0.1	1.1	25.5	43.9	1013.2	0	
13/01/2020 12:00	129	0.2	1	24.9	45.9	1012.8	0	
13/01/2020 12:30	135	0.4	2	24.2	52.5	1012.6	0	
13/01/2020 13:00	97	0.9	2.5	24.3	49.7	1012.2	0	
13/01/2020 13:30	69	0	0.7	24.5	49.7	1011.9	0	
13/01/2020 14:00	140	0.3	1.8	24.5	47.7	1011.8	0	
13/01/2020 14:30	99	0.3	2.2	26	44.5	1011.4	0	
13/01/2020 15:00	104	0.2	1.5	26.7	42.5	1011.2	0	
13/01/2020 15:30	120	0.1	1.9	26	43.6	1011	0	
13/01/2020 16:00	131	0.7	2.4	26	41.1	1010.7	0	
13/01/2020 16:30	79	0.7	3.3	26.5	40.4	1010.5	0	
13/01/2020 17:00	70	1.2	3.5	25.7	46	1010.5	0	

13/01/2020 17:30	93	0.2	2.2	24.5	53.3	1010.9	0	
13/01/2020 18:00	107	0.1	1.6	23.7	57	1011.2	0	
13/01/2020 18:30	78	0.3	2.2	23.3	60.8	1011.6	0	
13/01/2020 19:00	71	0.4	1.3	22.7	64.5	1011.9	0	
13/01/2020 19:30	74	0.6	1.5	22.1	66.2	1012.2	0.01	
13/01/2020 20:00	82	0.4	1.4	21.8	68.4	1012.4	0.01	
13/01/2020 20:30	76	0.2	1.3	21.5	71.2	1012.7	0.01	
13/01/2020 21:00	89	0.4	1.1	21.2	72.9	1012.9	0.01	
13/01/2020 21:30	181	0	0.1	20.7	74	1013	0.01	
13/01/2020 22:00	187	0	0.2	19.9	79.1	1013	0.01	
13/01/2020 22:30	164	0	0.2	19.3	81	1012.8	0.01	
13/01/2020 23:00	211	0	0.2	19.5	80	1012.7	0.01	
13/01/2020 23:30	311	0	0.1	19.2	81.1	1012.7	0.01	
14/01/2020 0:00	303	0	0.2	18.9	82	1012.3	0.01	
14/01/2020 0:30	162	0	0.1	18.7	83.2	1012.1	0.01	
14/01/2020 1:00	329	0.1	0.2	18.7	83.4	1011.9	0.01	
14/01/2020 1:30	120	0	0.1	18.5	84.3	1011.6	0.01	
14/01/2020 2:00	181	0	0.2	18.5	83.5	1011.5	0.01	
14/01/2020 2:30	330	0	0.5	18.4	85.1	1011.3	0.01	
14/01/2020 3:00	183	0	0.3	18.1	85.6	1011.1	0.01	
14/01/2020 3:30	11	0	0.2	18.3	86.4	1011.1	0.01	
14/01/2020 4:00	148	0.5	0.7	18.7	85.4	1011.3	0.01	
14/01/2020 4:30	137	0	0.2	18.7	84.2	1011.5	0.01	
14/01/2020 5:00	195	0	0.2	18.9	83.3	1011.6	0.01	
14/01/2020 5:30	112	0	0.2	19.2	81	1011.8	0.01	
14/01/2020 6:00	151	0.8	1.2	19.4	81	1012.1	0.01	
14/01/2020 6:30	180	0.4	1.1	20.2	77.4	1012.2	0.01	
14/01/2020 7:00	120	0.1	0.5	21.7	72.9	1012.4	0.01	
14/01/2020 7:30	25	0.1	0.7	23.3	66.8	1012.6	0.01	
14/01/2020 8:00	85	0.1	0.4	24.1	64.4	1012.5	0.01	
14/01/2020 8:30	160	0.1	0.7	24.1	61.8	1012.2	0.01	
14/01/2020 9:00	325	0	0.6	24.5	62.1	1012	0.01	0.01
14/01/2020 9:30	336	0.1	1.2	24.5	57.7	1011.9	0	
14/01/2020 10:00	2	0	1	25.6	55.3	1011.7	0	
14/01/2020 10:30	250	0.1	0.7	26.6	52.6	1011.6	0	
14/01/2020 11:00	0	0.1	1	27.6	49.8	1011.3	0	
14/01/2020 11:30	64	0.2	1.6	26.7	53.5	1011.1	0	
14/01/2020 12:00	78	0.4	2.1	27.9	51.8	1010.7	0	
14/01/2020 12:30	106	1	3	28.9	48.1	1010.3	0	
14/01/2020 13:00	131	0.1	1.1	28.1	49.8	1010	0	
14/01/2020 13:30	132	0.7	2.4	27.9	49.5	1009.8	0	
14/01/2020 14:00	99	0.4	1.9	28.9	46.2	1009.6	0	
14/01/2020 14:30	109	0.3	3.2	28.7	46	1009.1	0	
14/01/2020 15:00	92	0.4	2.7	28.7	44.9	1009	0	
14/01/2020 15:30	97	0.3	2.4	28.5	46.9	1008.8	0	
14/01/2020 16:00	80	1	3.3	27.7	49.3	1008.8	0	
14/01/2020 16:30	96	0.5	3.2	26.9	50.3	1008.8	0	
14/01/2020 17:00	80	0.1	0.8	26.7	51	1009.1	0	
14/01/2020 17:30	143	0.3	1.9	26	52.4	1009.2	0	
14/01/2020 18:00	116	0.2	1.8	25	57.4	1009.6	0	
14/01/2020 18:30	103	0.2	1.8	24.4	60	1010	0	
14/01/2020 19:00	97	0.1	1.3	23.7	64.1	1010.3	0	
14/01/2020 19:30	108	0.4	2.3	23.4	66	1010.5	0.02	
14/01/2020 20:00	109	0.3	2.4	23.2	66.5	1010.7	0.02	
14/01/2020 20:30	75	0.1	0.8	23	68.3	1011.2	0.02	
14/01/2020 21:00	93	0	0.5	22.7	70.4	1011.3	0.02	
14/01/2020 21:30	73	0.2	0.9	22	72.6	1011.3	0.02	
14/01/2020 22:00	183	0	0.2	21.6	73.6	1011.2	0.02	
14/01/2020 22:30	195	0	0.2	20.8	77	1011.1	0.02	
14/01/2020 23:00	308	0	0.1	20.2	80.3	1010.7	0.02	
14/01/2020 23:30	233	0	0.2	20	80.9	1010.4	0.02	
15/01/2020 0:00	190	0	0.2	19.8	81.6	1010.1	0.02	
15/01/2020 0:30	138	0	0.1	19.4	82.5	1009.9	0.02	
15/01/2020 1:00	148	0	0.1	19	83.5	1009.7	0.02	
15/01/2020 1:30	249	0	0.2	18.8	83.9	1009.5	0.02	
15/01/2020 2:00	145	0	0.1	18.4	84.6	1009	0.02	
15/01/2020 2:30	155	0	0.2	18.2	85.2	1008.6	0.02	
15/01/2020 3:00	234	0	0.1	17.9	85.8	1008.4	0.02	
15/01/2020 3:30	154	0	0.1	17.8	87.7	1008.2	0.02	
15/01/2020 4:00	189	0	0.1	17.8	87.7	1008.3	0.02	
15/01/2020 4:30	222	0	0.2	17.2	87.5	1008.6	0.02	
15/01/2020 5:00	224	0	0.2	17.4	88.2	1008.6	0.02	
15/01/2020 5:30	316	0	0.1	17.6	88.9	1008.7	0.02	
15/01/2020 6:00	283	0	0.2	18.3	89.3	1008.9	0.02	
15/01/2020 6:30	332	0	0.2	19.5	88.1	1009.1	0.02	
15/01/2020 7:00	70	0	0.4	20.5	81.4	1009.3	0.02	
15/01/2020 7:30	334	0	0.6	21.7	77.4	1009.2	0.02	
15/01/2020 8:00	279	0	0.4	22.8	71.2	1009.2	0.02	
15/01/2020 8:30	277	0.1	0.7	23	65.6	1009.2	0.02	
15/01/2020 9:00	42	0.1	1	24.2	61.4	1009	0.02	0.02
15/01/2020 9:30	332	0	0.4	25.1	56.6	1008.6	0	
15/01/2020 10:00	354	0.1	0.9	25.5	53.6	1008.3	0	
15/01/2020 10:30	181	0.1	0.7	27	47.8	1007.7	0	
15/01/2020 11:00	38	0.1	0.7	27	46.7	1007.1	0	
15/01/2020 11:30	312	0.1	0.8	28	45.6	1006.5	0	
15/01/2020 12:00	295	0.1	0.7	28.5	43.4	1006	0	
15/01/2020 12:30	68	0.1	1.2	29.2	42.7	1005.6	0	
15/01/2020 13:00	28	0.5	2.6	29.9	40.6	1005.1	0	
15/01/2020 13:30	111	0.2	1.5	30.8	42.6	1004.9	0	
15/01/2020 14:00	150	1.7	3.5	30.6	43.3	1004.4	0	
15/01/2020 14:30	111	0.1	1.5	29.9	45.7	1004.3	0	
15/01/2020 15:00	90	0.5	2.6	29.6	46.3	1003.8	0	
15/01/2020 15:30	87	0.4	2.7	28.6	49.1	1003.6	0	
15/01/2020 16:00	71	0.6	2.9	28.1	51.8	1003.3	0	
15/01/2020 16:30	94	0.7	3.1	27.7	54.1	1002.9	0	

15/01/2020 17:00	79	0	2.8	27.4	56.4	1002.6	0	
15/01/2020 17:30	76	0.1	1.7	27.1	58.6	1002.9	0	
15/01/2020 18:00	68	0.2	2.2	26.5	63	1002.9	0	
15/01/2020 18:30	66	0.4	1.7	26.2	66.2	1003	0	
15/01/2020 19:00	44	0.2	1.6	25.9	69	1003.2	0	
15/01/2020 19:30	62	0.2	1.2	25.5	71.4	1003.2	0	
15/01/2020 20:00	107	0.2	0.9	25.2	73	1002.9	0	
15/01/2020 20:30	65	0.1	1.3	24.9	74.7	1003	0	
15/01/2020 21:00	315	0.2	0.4	24.1	75.7	1003.2	0	
15/01/2020 21:30	193	0	0.2	23.5	80.1	1003.3	0	
15/01/2020 22:00	165	0	0.1	23	82.3	1003.3	0	
15/01/2020 22:30	261	0.1	0.3	23.1	81.3	1003.1	0	
15/01/2020 23:00	267	0	0.1	23.6	80.6	1002.8	0	
15/01/2020 23:30	316	0	0.2	23.2	82.1	1002.5	0	
16/01/2020 0:00	212	0	0.1	23	82.5	1002.1	0	
16/01/2020 0:30	139	0.1	0.5	23	83.8	1001.9	0	
16/01/2020 1:00	224	0	0.2	23	83.3	1001.7	0	
16/01/2020 1:30	172	0.1	0.2	22.9	85.3	1001.3	0	
16/01/2020 2:00	175	0.1	0.5	22.8	85.4	1001.2	0	
16/01/2020 2:30	184	0	0.5	22.8	85.4	1001.3	0	
16/01/2020 3:00	155	0.6	1	23	85.2	1001.3	0	
16/01/2020 3:30	156	0.3	1	23	85.2	1001.1	0	
16/01/2020 4:00	179	0.2	0.9	23	85.3	1001.1	0	
16/01/2020 4:30	288	0.1	0.4	23	85	1001.6	0	
16/01/2020 5:00	37	0	0.5	23.1	84.9	1002	0	
16/01/2020 5:30	69	0.1	0.8	23.2	84	1002.5	0.01	
16/01/2020 6:00	225	0.1	0.4	22.2	85.8	1002.8	4.74	
16/01/2020 6:30	234	0.1	0.6	21.3	87.4	1002.7	6.58	
16/01/2020 7:00	336	0	0.3	21.3	88.8	1002.7	6.68	
16/01/2020 7:30	184	0	0.3	21.6	88.7	1002.6	6.79	
16/01/2020 8:00	312	0.1	0.5	22	89.3	1003	6.82	
16/01/2020 8:30	17	0.4	1	22	86.6	1002.5	6.82	
16/01/2020 9:00	284	0.1	0.4	21.6	87	1002.9	6.82	6.82
16/01/2020 9:30	209	0	0.3	21.4	87.4	1002.2	0.09	
16/01/2020 10:00	300	0.1	0.6	21.6	88.5	1002.2	1.77	
16/01/2020 10:30	244	0.1	0.7	21.6	89.4	1002	2.14	
16/01/2020 11:00	321	0	0.2	22	88.5	1001.9	2.14	
16/01/2020 11:30	326	0.1	0.3	22.4	89	1001.8	2.21	
16/01/2020 12:00	320	0.2	0.8	22.7	87	1001.3	2.21	
16/01/2020 12:30	16	0	0.2	23.4	82.8	1000.7	2.21	
16/01/2020 13:00	11	0.1	0.9	25.4	72.9	1000.4	2.21	
16/01/2020 13:30	284	0	0.7	25.8	66.3	1000.1	2.21	
16/01/2020 14:00	347	0.1	0.9	27.2	60.8	999.5	2.21	
16/01/2020 14:30	7	0.2	1.7	27.5	57.8	999.3	2.21	
16/01/2020 15:00	339	0.1	1.2	28.5	50.4	998.8	2.21	
16/01/2020 15:30	57	0.3	2.2	30	45.3	998.4	2.21	
16/01/2020 16:00	32	0.2	1.5	30.1	43.9	998.2	2.21	
16/01/2020 16:30	333	0.1	1.2	30.1	42	998.2	2.21	
16/01/2020 17:00	191	0.2	5.3	30.1	45.7	999.3	2.21	
16/01/2020 17:30	153	0.1	1.3	24.3	66.6	1000.4	2.21	
16/01/2020 18:00	134	0.7	2.2	22.5	79.3	1001	2.26	
16/01/2020 18:30	43	0	0.6	22	81.3	1001.9	2.32	
16/01/2020 19:00	230	0.1	0.3	21.7	87	1002.3	2.97	
16/01/2020 19:30	306	0	0.1	20.8	87.8	1002.9	3.23	
16/01/2020 20:00	196	0	0.5	20.3	88.7	1003.3	3.24	
16/01/2020 20:30	304	0	0.6	20.5	88.7	1003.2	3.28	
16/01/2020 21:00	311	0.1	0.3	20.3	89.4	1003.2	3.3	
16/01/2020 21:30	20	0	0.3	20.4	89.6	1003.1	3.38	
16/01/2020 22:00	152	0	0.1	20.2	90.1	1003	3.39	
16/01/2020 22:30	318	0	0.2	20.2	90	1002.6	3.39	
16/01/2020 23:00	194	0	0.3	19.9	90.2	1002.2	3.39	
16/01/2020 23:30	257	0	0.2	19.9	90.3	1001.9	3.39	
17/01/2020 0:00	203	0	0.2	19.9	90.7	1001.6	3.39	
17/01/2020 0:30	191	0	0.2	20.1	90.6	1001.6	3.39	
17/01/2020 1:00	167	0	0.3	20.6	90.7	1001.6	3.39	
17/01/2020 1:30	141	0	0.3	20.8	89.7	1001.6	3.39	
17/01/2020 2:00	102	0	0.2	20.6	89.2	1001.6	3.39	
17/01/2020 2:30	116	0	0.4	20.9	88.2	1001.4	3.39	
17/01/2020 3:00	124	0	0.4	21.4	87.2	1001.3	3.39	
17/01/2020 3:30	109	0	0.2	21.5	86.4	1001.3	3.39	
17/01/2020 4:00	120	0	0.4	21.5	85.9	1001.2	3.39	
17/01/2020 4:30	168	0.7	1.8	21.5	83	1001.7	3.39	
17/01/2020 5:00	190	0.4	2.6	21.3	82.5	1001.9	3.39	
17/01/2020 5:30	179	0.8	2.7	21	81.6	1002.1	3.39	
17/01/2020 6:00	181	0.3	2	21	80.1	1002.5	3.39	
17/01/2020 6:30	177	0.5	2.3	21	79.7	1002.9	3.39	
17/01/2020 7:00	161	0.3	1.7	20.3	84.4	1003.2	3.39	
17/01/2020 7:30	181	1.5	3.9	19.6	88.1	1003.4	3.56	
17/01/2020 8:00	168	0.7	1.8	19.3	89.3	1003.9	3.7	
17/01/2020 8:30	187	0.7	2.2	19.5	87.9	1004	3.75	
17/01/2020 9:00	150	0	1	19.2	88.2	1004.1	3.76	3.76
17/01/2020 9:30	180	0.4	2.1	19.2	88	1004.1	0.12	
17/01/2020 10:00	173	1.3	3.2	19	88.7	1004.2	0.22	
17/01/2020 10:30	223	0.1	1.1	19.4	89.9	1004.1	0.5	
17/01/2020 11:00	197	0.1	1.1	19.6	88.4	1004.3	0.5	
17/01/2020 11:30	272	0	0.3	19.8	88.8	1004.4	0.64	
17/01/2020 12:00	173	0.3	2.1	20.4	87.9	1004.4	0.9	
17/01/2020 12:30	162	0.1	1.1	20.2	89.2	1004.4	0.94	
17/01/2020 13:00	183	0.5	2.4	20.5	89.2	1004.2	1.1	
17/01/2020 13:30	209	0	0.7	20.9	85.6	1003.8	1.24	
17/01/2020 14:00	171	1.2	3	21.2	85	1003.6	1.28	
17/01/2020 14:30	177	0.7	2	21.2	84	1003.8	1.3	
17/01/2020 15:00	177	0.4	1.8	21.5	84.2	1003.6	1.36	
17/01/2020 15:30	87	0.1	0.6	21.5	81.7	1003.6	1.36	
17/01/2020 16:00	165	0.6	1.8	21.5	81.4	1003.6	1.36	



17/01/2020 16:30	132	0.7	2	21.9	76.1	1003.5	1.36	
17/01/2020 17:00	163	0.9	2.5	22.2	72.8	1003.3	1.36	
17/01/2020 17:30	179	0.9	2	22.3	73	1003.7	1.36	
17/01/2020 18:00	177	0.7	1.6	22.2	73.7	1004.1	1.36	
17/01/2020 18:30	188	0.3	1.4	22.3	73	1004.5	1.36	
17/01/2020 19:00	163	0.4	1.8	22.2	73.3	1004.7	1.36	
17/01/2020 19:30	162	0.2	1.4	22	72.9	1004.6	1.36	
17/01/2020 20:00	184	0.8	1.6	21.5	72.9	1004.7	1.36	
17/01/2020 20:30	181	0.5	1	21.7	74	1005	1.36	
17/01/2020 21:00	181	0.8	1.9	21.3	75.3	1005.3	1.36	
17/01/2020 21:30	180	0.9	1.8	21.3	75.5	1005.1	1.36	
17/01/2020 22:00	182	0.6	1.5	21.3	76.4	1005.2	1.36	
17/01/2020 22:30	180	0.4	1.2	21.3	77.1	1005	1.36	
17/01/2020 23:00	177	0.4	1.2	21.3	78	1004.9	1.36	
17/01/2020 23:30	169	0.2	0.9	21.2	80	1004.6	1.36	
18/01/2020 0:00	205	0	0.2	21	81.7	1004.4	1.36	
18/01/2020 0:30	196	0	1	21.2	82.3	1004.1	1.36	
18/01/2020 1:00	168	0.9	1.7	21.2	85.2	1003.8	1.37	
18/01/2020 1:30	160	0.1	1	20.9	87.9	1003.5	1.38	
18/01/2020 2:00	182	0.1	1.1	20.8	87.3	1003.1	1.38	
18/01/2020 2:30	179	0.4	1.2	20.8	86.7	1002.9	1.38	
18/01/2020 3:00	165	0.6	1.4	20.9	86.1	1002.9	1.39	
18/01/2020 3:30	175	0.4	2.6	20.9	85	1002.6	1.39	
18/01/2020 4:00	197	0	1.3	21.1	82.5	1002.7	1.39	
18/01/2020 4:30	179	0.4	1.6	21.1	81.7	1002.8	1.39	
18/01/2020 5:00	173	0.6	2	20.9	81	1002.9	1.39	
18/01/2020 5:30	238	0.1	0.7	20.8	82	1003.2	1.39	
18/01/2020 6:00	172	0.1	1.7	20.8	81.8	1003.4	1.39	
18/01/2020 6:30	172	0.9	2.7	21.1	80.4	1003.7	1.39	
18/01/2020 7:00	176	0.8	2.2	21.3	77.2	1004	1.39	
18/01/2020 7:30	180	0.5	2.4	21.9	75.7	1004.1	1.39	
18/01/2020 8:00	187	0.5	2	21.7	75.9	1004.3	1.39	
18/01/2020 8:30	165	0.2	1.3	21.5	74.5	1004.3	1.39	
18/01/2020 9:00	170	0.2	2.6	21.9	71.5	1004.4	1.39	1.39
18/01/2020 9:30	183	0.1	3.1	22	71.3	1004.4	0	
18/01/2020 10:00	177	0.1	2.2	22	72.9	1004.4	0	
18/01/2020 10:30	192	0	1.1	22.4	69.2	1004.3	0	
18/01/2020 11:00	174	0.1	1.3	23	69.2	1004.2	0.03	
18/01/2020 11:30	227	0	0.7	23.6	65.7	1004.2	0.07	
18/01/2020 12:00	149	0.1	0.8	23.5	65	1004.1	0.07	
18/01/2020 12:30	176	1.3	2.8	23.1	69.8	1003.9	0.13	
18/01/2020 13:00	180	0.4	1.6	22.8	71.5	1003.9	0.17	
18/01/2020 13:30	167	0.2	0.9	23.7	66.8	1003.8	0.17	
18/01/2020 14:00	158	0	1.3	24.1	64.8	1003.5	0.17	
18/01/2020 14:30	167	0.4	2.3	24.8	60	1003.1	0.17	
18/01/2020 15:00	177	1.9	4.3	24.6	57.8	1002.9	0.17	
18/01/2020 15:30	176	0.1	2	23.6	63.8	1002.8	0.19	
18/01/2020 16:00	151	0.7	1.9	23.4	63.9	1002.8	0.19	
18/01/2020 16:30	194	0.8	1.8	23.7	64.2	1002.5	0.21	
18/01/2020 17:00	210	0.1	1.5	23.2	64.3	1002.5	0.21	
18/01/2020 17:30	193	0.3	1.3	23.2	62.7	1002.5	0.21	
18/01/2020 18:00	144	0.4	1.5	23.2	62.4	1002.9	0.23	
18/01/2020 18:30	311	0	0.5	22.4	70.7	1003	0.3	
18/01/2020 19:00	225	0	0.3	21.5	78.8	1003.4	0.41	
18/01/2020 19:30	239	0	0.2	20.7	82.3	1003.6	0.44	
18/01/2020 20:00	226	0	0.2	20.2	85.9	1004	0.57	
18/01/2020 20:30	340	0	0.2	20.2	87.9	1004.6	0.57	
18/01/2020 21:00	236	0	0.1	20.2	88.1	1004.9	0.57	
18/01/2020 21:30	193	0	0.1	19.9	87.2	1004.8	0.68	
18/01/2020 22:00	316	0	0.1	19.5	88	1004.7	0.73	
18/01/2020 22:30	349	0	0.2	19.6	89.1	1004.1	0.77	
18/01/2020 23:00	243	0	0.3	19.3	89.4	1004	0.97	
18/01/2020 23:30	320	0	0.2	19.3	89.9	1003.9	1	
19/01/2020 0:00	167	0	0.1	19.2	90.3	1003.6	1.27	
19/01/2020 0:30	201	0	0.2	19.2	90.2	1003.4	1.33	
19/01/2020 1:00	219	0	0.2	19.1	90.4	1003.3	1.4	
19/01/2020 1:30	225	0	0.3	19	90.3	1003	1.42	
19/01/2020 2:00	247	0	0.1	19	90.7	1002.8	1.42	
19/01/2020 2:30	199	0	0.1	19.2	90.9	1002.7	1.42	
19/01/2020 3:00	238	0	0.2	19.1	90.9	1002.7	1.42	
19/01/2020 3:30	231	0	0.2	19	91	1002.7	1.45	
19/01/2020 4:00	229	0	0.2	18.7	91	1002.6	1.53	
19/01/2020 4:30	193	0	0.1	18.7	91	1002.5	1.55	
19/01/2020 5:00	302	0	0.2	18.8	91.4	1002.6	1.57	
19/01/2020 5:30	63	0	0.2	18.8	91.6	1002.6	1.57	
19/01/2020 6:00	351	0	0.2	19.1	91.8	1002.9	1.57	
19/01/2020 6:30	329	0.1	0.5	19.2	91.6	1003.1	1.57	
19/01/2020 7:00	351	0	0.2	19.6	91.2	1003.3	1.57	
19/01/2020 7:30	227	0.2	0.8	19.9	90	1003.6	1.57	
19/01/2020 8:00	281	0	0.2	19.7	88.3	1003.6	1.57	
19/01/2020 8:30	161	0	0.3	20.3	85.1	1003.3	1.57	
19/01/2020 9:00	168	0.8	1.5	22.1	71.5	1003.3	1.57	1.57
19/01/2020 9:30	221	0.1	0.5	23	70.9	1003.1	0	
19/01/2020 10:00	243	0	0.6	23.2	71	1003	0	
19/01/2020 10:30	161	0.6	1.1	23.4	72.1	1003	0	
19/01/2020 11:00	254	0	0.4	22.8	77.6	1002.8	0	
19/01/2020 11:30	183	0	0.6	23.3	78.6	1002.4	0.04	
19/01/2020 12:00	172	0.1	1.7	24.9	67.9	1002	0.04	
19/01/2020 12:30	208	0	0.6	24.3	68.9	1001.7	0.04	
19/01/2020 13:00	192	0.1	1	22.7	81.1	1001.4	0.04	
19/01/2020 13:30	175	0.3	2	22.3	81.7	1001.3	0.04	
19/01/2020 14:00	166	0.9	2.2	22.3	78.3	1001	0.04	
19/01/2020 14:30	170	0.4	1.8	23	74.3	1000.7	0.05	
19/01/2020 15:00	177	1.7	2.7	23.6	72	1000.3	0.05	
19/01/2020 15:30	138	0.2	0.8	24	71.7	999.9	0.05	

19/01/2020 16:00	132	0.1	2	25	66.1	999.4	0.05	
19/01/2020 16:30	149	0.1	1.1	25	64.8	999.1	0.05	
19/01/2020 17:00	138	0.6	1.6	25	64.5	999	0.05	
19/01/2020 17:30	139	0.1	1.5	25	66.3	999.1	0.05	
19/01/2020 18:00	103	0.9	1.8	24.7	66.5	998.9	0.05	
19/01/2020 18:30	143	0.2	1	24.5	67.2	999.1	0.05	
19/01/2020 19:00	147	0.6	1	23.8	70.7	999.1	0.05	
19/01/2020 19:30	120	0.1	0.9	23.7	74.5	999.2	0.05	
19/01/2020 20:00	91	0.2	0.8	23.5	77.8	999.3	0.05	
19/01/2020 20:30	60	0	0.4	23.3	78.5	999.4	0.05	
19/01/2020 21:00	286	0	0.1	23.1	80.7	999.6	0.05	
19/01/2020 21:30	142	0.1	0.2	23	81.7	1000	0.05	
19/01/2020 22:00	244	0	0.4	23	81.5	1000	0.05	
19/01/2020 22:30	242	0	0.2	22.8	82.7	1000.1	0.05	
19/01/2020 23:00	340	0	0.2	22.6	83.6	1000.1	0.05	
19/01/2020 23:30	221	0.1	0.5	22.5	84	999.4	0.05	
20/01/2020 0:00	160	0	0.2	22.1	86.3	998.7	0.05	
20/01/2020 0:30	205	0	0.1	21.6	86.7	998.1	0.05	
20/01/2020 1:00	29	0	0.2	21.7	88.1	997.8	0.05	
20/01/2020 1:30	275	0	0.2	21.5	88.3	997.7	0.05	
20/01/2020 2:00	290	0	0.4	21.4	87.8	998.3	0.05	
20/01/2020 2:30	251	0	0.4	21.2	87.4	997.7	0.05	
20/01/2020 3:00	156	0	0.1	21.1	88	997	0.05	
20/01/2020 3:30	242	0	0.2	21.1	88.3	996.5	0.05	
20/01/2020 4:00	235	0.2	0.3	20.6	88.7	996.7	0.05	
20/01/2020 4:30	184	0.2	0.4	20.4	89.8	996.9	0.05	
20/01/2020 5:00	232	0	0.2	20.4	90	997.3	0.05	
20/01/2020 5:30	169	0.7	1.2	20.4	91.1	997.7	0.05	
20/01/2020 6:00	59	0	0.5	21	90.9	998.1	0.05	
20/01/2020 6:30	126	0.1	0.9	21.5	87.6	998.5	0.05	
20/01/2020 7:00	164	0.2	0.9	23	81.9	998.5	0.05	
20/01/2020 7:30	74	0.6	2	23.9	75.6	999	0.05	
20/01/2020 8:00	358	0	0.3	23.7	76.2	999.6	0.05	
20/01/2020 8:30	70	0.2	1.8	23.7	78.8	998.3	0.06	
20/01/2020 9:00	75	0.1	1.4	25.9	67.7	998.5	0.06	0.06
20/01/2020 9:30	158	0.2	0.9	26.9	61.6	998.2	0	
20/01/2020 10:00	30	0.1	0.7	27.7	59.6	997.8	0	
20/01/2020 10:30	64	0.3	1.8	28.6	54.7	997.4	0	
20/01/2020 11:00	68	0.3	1.4	30.2	51.6	996.5	0	
20/01/2020 11:30	63	0.9	4.1	30.2	50.4	995.6	0	
20/01/2020 12:00	24	0.1	1.1	30.9	50.4	994.9	0	
20/01/2020 12:30	59	0.5	2.4	31.1	49.1	993.8	0	
20/01/2020 13:00	64	0.1	2.3	31.9	47.6	993.4	0	
20/01/2020 13:30	105	1.2	3.2	29.4	57.1	992.5	0	
20/01/2020 14:00	62	1.3	3.1	30.3	55	992	0	
20/01/2020 14:30	146	0.3	2.2	29.1	59.1	993.2	0	
20/01/2020 15:00	144	0.4	3.7	29.1	59.4	993.4	0	
20/01/2020 15:30	152	0.5	3.1	29.9	56.4	993.2	0	
20/01/2020 16:00	178	0.1	2.3	28.5	60.7	993.2	0	
20/01/2020 16:30	164	0.3	2.6	24.7	69.3	994.4	0	
20/01/2020 17:00	139	1.1	2.6	24.9	68.5	994.8	0	
20/01/2020 17:30	149	0.1	1	25.4	66.1	995	0	
20/01/2020 18:00	159	0.7	2	25.7	62.7	995	0	
20/01/2020 18:30	122	0.3	1.4	25.4	63.7	995.3	0	
20/01/2020 19:00	146	1.4	2.1	24.6	67	995.7	0	
20/01/2020 19:30	129	0.1	0.7	24.1	69	996.2	0	
20/01/2020 20:00	74	0.1	0.7	23.8	69	997.1	0	
20/01/2020 20:30	185	0.4	0.6	23	72.5	997.7	0	
20/01/2020 21:00	90	0	0.2	22	76.6	997.9	0	
20/01/2020 21:30	235	0.2	0.5	21.5	78	998.4	0	
20/01/2020 22:00	253	0	0.2	20.9	80.7	998.7	0	
20/01/2020 22:30	321	0	0.3	21.1	80.3	998.7	0	
20/01/2020 23:00	128	0	0.2	21.1	80.9	998.5	0	
20/01/2020 23:30	159	0.3	0.5	20.8	81.1	998.5	0	
21/01/2020 0:00	233	0	0.2	20.5	81.8	998.3	0	
21/01/2020 0:30	99	0	0.2	20.5	82.8	998.2	0	
21/01/2020 1:00	324	0	0.3	20.5	83.7	998	0	
21/01/2020 1:30	280	0	0.2	20.5	83.4	998	0	
21/01/2020 2:00	313	0	0.3	20.9	82.6	998.1	0	
21/01/2020 2:30	18	0.2	1.2	20.8	81.8	998.1	0	
21/01/2020 3:00	6	0.3	0.9	20.7	81.4	998.3	0	
21/01/2020 3:30	2	0	0.3	20	82.4	998.3	0	
21/01/2020 4:00	321	0.1	0.3	20.2	81.4	998.6	0	
21/01/2020 4:30	352	0.2	0.9	20.3	80.4	998.9	0	
21/01/2020 5:00	348	0.1	0.6	19.7	79.2	999.4	0	
21/01/2020 5:30	327	0.1	0.6	19.5	81.3	999.7	0	
21/01/2020 6:00	323	0.1	0.7	20.7	72.4	1000.3	0	
21/01/2020 6:30	325	0.1	0.6	22.5	62.3	1000.5	0	
21/01/2020 7:00	354	0.5	1.1	22.8	57	1000.9	0	
21/01/2020 7:30	290	0.1	0.5	24.7	49.5	1001.3	0	
21/01/2020 8:00	330	0.1	1.3	26.2	38.4	1001.7	0	
21/01/2020 8:30	254	0.1	0.8	26.5	37.3	1001.9	0	
21/01/2020 9:00	162	0.4	1.4	27.4	36.6	1002	0	0
21/01/2020 9:30	156	0.2	1.9	27.9	36.5	1002.1	0	
21/01/2020 10:00	202	0	0.4	28.2	33.4	1002.1	0	
21/01/2020 10:30	183	0.2	2.2	29	33.6	1001.8	0	
21/01/2020 11:00	340	0.1	0.9	30.5	31.2	1001.8	0	
21/01/2020 11:30	146	0.1	1	30.5	30.4	1001.7	0	
21/01/2020 12:00	172	2.2	3.9	30.5	31.2	1001.4	0	
21/01/2020 12:30	125	0.7	1.7	31.8	29.7	1001.1	0	
21/01/2020 13:00	163	0.1	0.9	31.6	30.7	1000.7	0	
21/01/2020 13:30	197	0.2	2	32.3	28.7	1000.5	0	
21/01/2020 14:00	185	0.3	1	32.7	26.9	1000.3	0	
21/01/2020 14:30	104	1	2.8	32.5	29.8	1000.1	0	
21/01/2020 15:00	147	0.5	2.6	30.6	32.8	1000.4	0	

21/01/2020 15:30	135	0.1	2.5	30.6	32.2	1000.4	0
21/01/2020 16:00	139	0.3	2.4	29.7	35.3	1000.4	0
21/01/2020 16:30	117	0.7	2.6	29.2	36.5	1000.6	0
21/01/2020 17:00	107	0.3	2.2	28.3	42	1001	0
21/01/2020 17:30	90	0.4	1.8	27.7	39.9	1001.6	0
21/01/2020 18:00	107	0.3	2.5	26.9	45	1002.3	0
21/01/2020 18:30	115	0.3	1.7	26.1	49.4	1002.8	0
21/01/2020 19:00	96	0.2	1.8	25.5	52.3	1003.3	0
21/01/2020 19:30	92	0.2	1.2	25	58.2	1003.7	0
21/01/2020 20:00	101	0.2	1.3	24.7	60.4	1004.3	0
21/01/2020 20:30	64	0.2	1.1	24.4	62.5	1004.8	0
21/01/2020 21:00	10	0	0.4	24.1	64	1005.2	0
21/01/2020 21:30	190	0	0.2	23.2	67.3	1005.5	0
21/01/2020 22:00	195	0	0.2	22.7	71.1	1005.7	0
21/01/2020 22:30	211	0	0.2	22.3	73.7	1005.8	0
21/01/2020 23:00	130	0.1	0.2	22	76.6	1005.7	0
21/01/2020 23:30	191	0.1	0.3	21.7	77.8	1005.7	0
22/01/2020 0:00	218	0	0.1	21.2	81.7	1005.5	0
22/01/2020 0:30	166	0	0.1	20.6	81.6	1005.5	0
22/01/2020 1:00	164	0	0.3	20.2	82.6	1005.3	0
22/01/2020 1:30	155	0	0.1	20.1	83.4	1005	0
22/01/2020 2:00	127	0.1	0.3	20	84.7	1004.8	0
22/01/2020 2:30	202	0	0.1	19.7	84.8	1004.7	0
22/01/2020 3:00	204	0.1	0.2	19.4	85.9	1004.7	0
22/01/2020 3:30	231	0	0.3	19.3	86.6	1004.7	0
22/01/2020 4:00	194	0	0.1	19.2	86.9	1004.8	0
22/01/2020 4:30	196	0	0.2	19.1	87.5	1004.9	0
22/01/2020 5:00	188	0.1	0.2	19	87.2	1005	0
22/01/2020 5:30	123	0	0.2	18.9	88.7	1005.1	0
22/01/2020 6:00	339	0	0.2	19.7	89.6	1005.5	0
22/01/2020 6:30	332	0.1	0.5	20.7	82.5	1005.7	0
22/01/2020 7:00	353	0.1	0.5	22.3	76.1	1006.1	0
22/01/2020 7:30	296	0	0.2	24	69.6	1006.1	0
22/01/2020 8:00	336	0.1	0.9	24.7	65.1	1006	0
22/01/2020 8:30	18	0	0.5	25	64.6	1005.9	0
22/01/2020 9:00	20	0.2	1.8	26.7	60.5	1005.6	0
22/01/2020 9:30	42	0.3	1.8	28	55.8	1005.5	0
22/01/2020 10:00	44	0.5	2.1	28.5	52.1	1004.9	0
22/01/2020 10:30	316	0	0.6	28.8	49.4	1004.6	0
22/01/2020 11:00	54	0.4	2.2	30.9	43	1003.8	0
22/01/2020 11:30	78	0.2	1.6	31.5	36.4	1003.4	0
22/01/2020 12:00	272	0.1	0.5	32	35.2	1002.9	0
22/01/2020 12:30	106	0.1	0.9	33.7	30.4	1002.3	0
22/01/2020 13:00	117	0.7	2.9	33.4	40.4	1001.8	0
22/01/2020 13:30	106	0.6	2.1	33.9	38.8	1001.1	0
22/01/2020 14:00	72	1	4	33.9	39.6	1000.6	0
22/01/2020 14:30	99	0.5	3.6	33.9	39.7	1000.3	0
22/01/2020 15:00	84	0.3	3.5	33.1	35.8	1000	0
22/01/2020 15:30	76	0.9	3.6	32.9	35.9	999.6	0
22/01/2020 16:00	82	1.4	3.8	32.4	40.4	999.1	0
22/01/2020 16:30	78	1.2	3.5	31.7	38.7	998.6	0
22/01/2020 17:00	81	0.5	2.5	32	35.2	999	0
22/01/2020 17:30	81	0.4	1.7	31.8	38	999	0
22/01/2020 18:00	59	0.4	1.6	31.1	38.1	999	0
22/01/2020 18:30	80	0.3	2.2	30.3	35.7	999.2	0
22/01/2020 19:00	56	0.5	1.8	29.5	41.4	999.6	0
22/01/2020 19:30	68	0.2	1.3	28.9	42.9	999.9	0
22/01/2020 20:00	18	0.2	1.6	28.2	45.7	1000.2	0
22/01/2020 20:30	211	0.1	0.4	27.9	48.7	1000.6	0
22/01/2020 21:00	104	0	0.3	26.1	53.8	1000.8	0
22/01/2020 21:30	330	0	0.3	25.1	57.7	1000.9	0
22/01/2020 22:00	176	0	0.3	24.5	60.5	1000.9	0
22/01/2020 22:30	190	0	0.2	23.8	65.3	1000.8	0
22/01/2020 23:00	208	0	0.1	23.3	70.2	1000.6	0
22/01/2020 23:30	124	0.1	0.2	22.5	74.5	1000.2	0
23/01/2020 0:00	186	0	0.1	22.2	71.4	1000	0
23/01/2020 0:30	236	0	0.2	22.1	75.1	999.6	0
23/01/2020 1:00	287	0	0.1	21.5	75.1	999.2	0
23/01/2020 1:30	209	0	0.1	21	76.6	998.8	0
23/01/2020 2:00	125	0.1	0.3	20.7	80.5	998.4	0
23/01/2020 2:30	146	0.2	0.5	20.1	80.8	998.3	0
23/01/2020 3:00	152	0.2	0.5	19.6	80.5	997.9	0
23/01/2020 3:30	215	0	0.4	20.1	81.4	998.6	0
23/01/2020 4:00	1	0	0.3	20.5	78.5	998.3	0
23/01/2020 4:30	88	0	0.2	20	78.9	998.1	0
23/01/2020 5:00	123	0	0.3	19.6	81.3	997.9	0
23/01/2020 5:30	347	0.1	0.6	19.6	78.5	998	0
23/01/2020 6:00	24	0.1	1.2	22.9	64.9	997.9	0
23/01/2020 6:30	18	0.1	1	24.3	58.7	997.8	0
23/01/2020 7:00	357	0.1	1	25.9	53	998	0
23/01/2020 7:30	310	0	1.3	28.2	44.2	997.9	0
23/01/2020 8:00	326	0.3	1.8	30.3	40	997.5	0
23/01/2020 8:30	6	0	1.8	32.1	38.2	997.1	0
23/01/2020 9:00	335	0.3	2.3	33.4	35.3	996.6	0
23/01/2020 9:30	335	0.2	2.3	35.7	26.7	996.4	0
23/01/2020 10:00	320	0.3	1.7	36.1	25.5	996.1	0
23/01/2020 10:30	20	0.2	2.7	37.3	23	995.8	0
23/01/2020 11:00	358	0.6	3.4	38.3	21.2	995.4	0.01
23/01/2020 11:30	309	0.2	3	38.9	19.8	995	0.01
23/01/2020 12:00	318	0.2	3	40.4	18.2	994.7	0.01
23/01/2020 12:30	1	0.5	4.5	40.2	16.9	994	0.01
23/01/2020 13:00	308	0.3	2.6	40.3	17.8	993.8	0.01
23/01/2020 13:30	327	0.2	2.5	40	18.9	993.4	0.01
23/01/2020 14:00	328	0.3	3	41.1	17.7	992.7	0.01
23/01/2020 14:30	16	0.3	3.2	41	17.8	992.4	0.01



23/01/2020 15:00	314	0.3	3.4	41.1	19	992.3	0.01	
23/01/2020 15:30	293	0.2	1.4	40.4	18.9	992	0.01	
23/01/2020 16:00	21	1.2	4	40.4	19.8	991.7	0.01	
23/01/2020 16:30	350	0.3	2.1	40	19.5	991.6	0.01	
23/01/2020 17:00	337	0.2	1.2	39.6	19.3	991.9	0.01	
23/01/2020 17:30	330	0.1	0.9	39.1	20.6	992.7	0.01	
23/01/2020 18:00	247	0	0.4	38.4	21.3	993	0.01	
23/01/2020 18:30	177	0	0.5	37.5	22.8	993.3	0.01	
23/01/2020 19:00	121	0.4	0.5	36.7	25.5	993.3	0.01	
23/01/2020 19:30	216	0	0.3	34.8	30.9	994.1	0.01	
23/01/2020 20:00	197	0.7	1.2	35.5	28.1	994.7	0.01	
23/01/2020 20:30	159	1.3	2.6	34.5	34.9	994.8	0.01	
23/01/2020 21:00	61	0.3	1.4	34.1	38.7	995.6	0.01	
23/01/2020 21:30	340	0.3	0.9	33.5	39.4	996.2	0.01	
23/01/2020 22:00	30	0.6	3.1	31.4	49.8	996.6	0.01	
23/01/2020 22:30	21	0.4	2.6	30.2	54.4	996.7	0.01	
23/01/2020 23:00	326	0.2	1.4	29.9	54.9	997	0.01	
23/01/2020 23:30	354	0.5	1.5	29.8	55.5	997	0.01	
24/01/2020 0:00	15	0.3	1.9	29.7	56.6	997	0.01	
24/01/2020 0:30	333	0.1	0.4	29.5	57.1	997.2	0.01	
24/01/2020 1:00	295	0	0.3	29.7	55.8	997.1	0.01	
24/01/2020 1:30	308	0	0.6	29.7	55.7	997.3	0.01	
24/01/2020 2:00	158	0.4	2.3	29.6	45.8	997.9	0.01	
24/01/2020 2:30	174	0.5	2.2	28.2	42.2	998.1	0.01	
24/01/2020 3:00	132	0.5	1.3	27.3	43.3	998.8	0.01	
24/01/2020 3:30	148	0.5	1.9	27.6	43.6	998.9	0.01	
24/01/2020 4:00	125	0.1	1.2	27.2	43.6	999.7	0.01	
24/01/2020 4:30	135	0.3	1.5	26.8	52.5	1000.2	0.01	
24/01/2020 5:00	145	0.3	2.3	25.7	59.3	1000.8	0.01	
24/01/2020 5:30	128	0.3	1.9	24.7	61.7	1001.8	0.02	
24/01/2020 6:00	95	0.3	2	24.8	64.9	1002.6	0.02	
24/01/2020 6:30	147	1.2	2.6	24.4	67.9	1002.9	0.02	
24/01/2020 7:00	141	0.7	2.4	24.4	63.3	1003.5	0.02	
24/01/2020 7:30	186	0.1	0.4	23	72.9	1005.1	0.3	
24/01/2020 8:00	134	0.1	1.5	22.8	78.7	1004.3	1.91	
24/01/2020 8:30	158	0.8	1.8	22.9	74.7	1004.4	1.92	
24/01/2020 9:00	142	0.4	0.6	22.6	78.1	1004.8	3.29	3.29
24/01/2020 9:30	169	0.1	0.8	22.9	75.1	1004.9	0	
24/01/2020 10:00	158	1	1.6	23.2	73.1	1005.4	0.02	
24/01/2020 10:30	167	0.4	2.3	24.4	58.3	1005.6	0.02	
24/01/2020 11:00	174	0.5	2.1	23.5	62.1	1005.3	0.02	
24/01/2020 11:30	169	0.6	1.5	23.5	56.2	1005.4	0.02	
24/01/2020 12:00	130	0	1	25.2	53.9	1005.1	0.02	
24/01/2020 12:30	179	0.3	0.9	25.3	49.6	1004.7	0.02	
24/01/2020 13:00	189	0.1	0.4	24.3	77.4	1004.7	1.23	
24/01/2020 13:30	174	0.9	1.7	24.1	68.5	1004.4	1.23	
24/01/2020 14:00	140	0.4	1.7	25.3	67.2	1004.1	1.23	
24/01/2020 14:30	104	0.3	1.9	26.2	62.8	1003.6	1.23	
24/01/2020 15:00	160	1.5	3.6	28	53	1003.2	1.23	
24/01/2020 15:30	86	0.1	2.3	28.9	49	1002.9	1.23	
24/01/2020 16:00	150	0.2	1.8	28.1	55.5	1002.8	1.23	
24/01/2020 16:30	89	0.4	2.6	27.8	58	1002.8	1.23	
24/01/2020 17:00	134	0.2	2.8	26.9	62.8	1003.6	1.23	
24/01/2020 17:30	83	1	2.2	26.5	66.7	1003.9	1.23	
24/01/2020 18:00	125	0.3	1.9	25.9	68.6	1004.2	1.23	
24/01/2020 18:30	115	0.3	2.2	25.5	70.2	1005.2	1.23	
24/01/2020 19:00	108	0.3	1.9	25.2	71.8	1005.5	1.24	
24/01/2020 19:30	114	0.4	2.5	25	72.9	1006	1.24	
24/01/2020 20:00	147	0.2	1.2	25	73.5	1007	1.24	
24/01/2020 20:30	105	0.2	1.9	24.8	75.3	1007.6	1.24	
24/01/2020 21:00	144	0.1	0.8	23.3	83.7	1008.1	1.34	
24/01/2020 21:30	116	0.2	1.4	23	85.8	1008.1	1.34	
24/01/2020 22:00	134	0.2	1.2	22.8	87.9	1008.2	1.34	
24/01/2020 22:30	121	0.1	1.4	22.6	88	1008.3	1.34	
24/01/2020 23:00	113	0.1	0.6	22.7	87.8	1008.3	1.34	
24/01/2020 23:30	143	0.4	0.8	22.8	87.5	1008.1	1.34	
25/01/2020 0:00	121	0	0.1	22.9	87.1	1008.1	1.34	
25/01/2020 0:30	206	0	0.1	23	87	1007.9	1.34	
25/01/2020 1:00	250	0.1	0.3	23	87	1007.7	1.34	
25/01/2020 1:30	62	0	0.2	23	87.5	1007.6	1.34	
25/01/2020 2:00	81	0	0.5	23.4	85.5	1007.4	1.34	
25/01/2020 2:30	109	0.2	1	23.6	81.3	1007.3	1.34	
25/01/2020 3:00	103	0.2	1.4	23.6	79.2	1007.3	1.34	
25/01/2020 3:30	130	0	0.5	23.7	79.1	1007.2	1.34	
25/01/2020 4:00	129	0	1.3	23.7	78.5	1007.5	1.34	
25/01/2020 4:30	146	0.1	1	23.7	77.3	1007.7	1.34	
25/01/2020 5:00	96	0.1	0.7	23.8	77.6	1008.1	1.34	
25/01/2020 5:30	90	0.5	1.7	23.8	76.8	1008.3	1.34	
25/01/2020 6:00	91	0.1	0.9	23.8	76.6	1008.5	1.34	
25/01/2020 6:30	86	0.1	1	23.7	75.1	1008.7	1.34	
25/01/2020 7:00	101	0.1	1	24	74	1008.9	1.34	
25/01/2020 7:30	74	0.3	2.2	24.9	70.5	1009.1	1.34	
25/01/2020 8:00	75	0.2	1.7	24.9	69.1	1009.4	1.34	
25/01/2020 8:30	37	0.3	2.9	25.8	66	1009.5	1.34	
25/01/2020 9:00	122	0.4	1.8	26.2	61.8	1009.4	1.34	1.34
25/01/2020 9:30	64	0.5	1.2	26.8	57.9	1009.5	0	
25/01/2020 10:00	0	0.3	2.1	28.2	52.1	1009.3	0	
25/01/2020 10:30	33	0.1	0.6	28.6	51.2	1009.2	0	
25/01/2020 11:00	338	0.2	1.1	28.7	50.9	1008.8	0	
25/01/2020 11:30	52	0.3	1.4	30	47.6	1008.4	0	
25/01/2020 12:00	76	0.1	0.9	30.2	45.6	1008	0	
25/01/2020 12:30	94	0.7	2.1	30.1	51.9	1007.5	0	
25/01/2020 13:00	87	0.5	1.9	29.4	56.9	1007.2	0	
25/01/2020 13:30	129	0.1	1.5	29.7	55.8	1006.8	0	
25/01/2020 14:00	69	1	3	29.3	57.9	1006.6	0	

25/01/2020 14:30	73	0.2	1.7	29.3	57.7	1006.2	0	
25/01/2020 15:00	69	0.2	1.5	28.9	62.7	1005.9	0	
25/01/2020 15:30	68	0.9	2.3	28.8	64.2	1005.8	0	
25/01/2020 16:00	75	0.2	3.1	28.8	65	1005.6	0	
25/01/2020 16:30	76	0.2	1.8	28.6	66.3	1005.7	0	
25/01/2020 17:00	81	0.5	1.8	28.8	65.4	1005.7	0.03	
25/01/2020 17:30	104	0.1	1.2	28.3	67.9	1005.4	0.03	
25/01/2020 18:00	97	0.5	2	27.3	71.4	1005.6	0.03	
25/01/2020 18:30	76	0.8	2.4	27.3	73.1	1005.8	0.03	
25/01/2020 19:00	58	0.9	2.6	26.8	74.4	1006.5	0.03	
25/01/2020 19:30	62	0.4	1.4	26.6	75.3	1006.5	0.03	
25/01/2020 20:00	110	0.1	0.6	26.4	76.8	1006.5	0.03	
25/01/2020 20:30	56	0.2	1.1	26.3	77.5	1006.8	0.03	
25/01/2020 21:00	75	0.1	0.5	26.1	78.8	1007.1	0.03	
25/01/2020 21:30	241	0	0.2	25.8	79.7	1007	0.03	
25/01/2020 22:00	171	0	0.1	25.4	82.7	1006.6	0.03	
25/01/2020 22:30	180	0	0.1	25	83.7	1006.5	0.03	
25/01/2020 23:00	186	0	0.1	24.8	85	1006.5	0.03	
25/01/2020 23:30	237	0	0.1	24.5	85.6	1006.2	0.03	
26/01/2020 0:00	104	0.2	0.9	24.5	85.9	1005.9	0.03	
26/01/2020 0:30	171	0	0.1	24.8	84.5	1005.8	0.03	
26/01/2020 1:00	64	0.4	1.3	24.8	85.6	1005.7	0.03	
26/01/2020 1:30	59	0.2	1.2	24.8	85.9	1005.6	0.03	
26/01/2020 2:00	298	0	0.1	24.9	86	1005.4	0.03	
26/01/2020 2:30	218	0	0.1	24.8	86.1	1005.1	0.03	
26/01/2020 3:00	233	0	0.2	24.9	86.3	1005.2	0.03	
26/01/2020 3:30	214	0	0.2	24.6	86.3	1005.2	0.03	
26/01/2020 4:00	204	0.2	0.3	24.4	87.4	1005.3	0.03	
26/01/2020 4:30	139	0	0.1	24.1	88	1005.6	0.03	
26/01/2020 5:00	332	0	0.1	24	88.8	1005.8	0.03	
26/01/2020 5:30	270	0.1	0.5	24.1	88.9	1005.9	0.03	
26/01/2020 6:00	248	0	0.2	24.2	88.3	1006.1	0.03	
26/01/2020 6:30	198	0	0.3	25.7	82.4	1006.3	0.03	
26/01/2020 7:00	327	0	0.2	27.3	74.7	1006.6	0.03	
26/01/2020 7:30	96	0.1	0.7	27.3	71.4	1006.7	0.03	
26/01/2020 8:00	59	0.6	1.3	28.2	69.2	1006.5	0.03	
26/01/2020 8:30	44	0.1	1.9	28.5	65.9	1006.5	0.03	
26/01/2020 9:00	16	0.1	1.4	30.2	61.2	1006.4	0.03	0.03
26/01/2020 9:30	227	0	0.2	30.3	59.7	1006.2	0	
26/01/2020 10:00	329	0.1	1.1	31.8	51.5	1006	0	
26/01/2020 10:30	40	0.1	1.2	33.4	46	1005.8	0	
26/01/2020 11:00	63	0.1	1.8	33.7	44.8	1005.3	0	
26/01/2020 11:30	108	0.4	1.6	34.6	42.9	1004.9	0	
26/01/2020 12:00	335	0	0.7	34.6	41.5	1004.5	0	
26/01/2020 12:30	340	0.1	0.8	36.4	36	1004.1	0	
26/01/2020 13:00	340	0.1	1.3	36.4	36.1	1003.2	0	
26/01/2020 13:30	332	0	0.6	36.9	34.2	1002.8	0	
26/01/2020 14:00	73	0.1	0.7	36.9	32.1	1002.3	0	
26/01/2020 14:30	23	0.4	4.5	36.9	32.5	1002.2	0	
26/01/2020 15:00	89	0.5	3.2	27.1	77.6	1002.8	0.04	
26/01/2020 15:30	87	0.3	1.9	30.6	54.9	1002.5	0.04	
26/01/2020 16:00	86	0.1	1.9	32.3	48.4	1002.5	0.04	
26/01/2020 16:30	87	0.5	1.7	33.6	51.2	1002	0.04	
26/01/2020 17:00	89	0.2	1.7	33.7	49.7	1002	0.04	
26/01/2020 17:30	74	0.2	1.6	33.6	48.1	1002.7	0.05	
26/01/2020 18:00	67	0.5	2.2	31.8	52.5	1003.5	0.05	
26/01/2020 18:30	14	0.3	2.9	30.4	56.8	1004.3	0.05	
26/01/2020 19:00	36	0.2	2.4	29.9	57.5	1004.4	0.05	
26/01/2020 19:30	9	0.1	1.1	29.7	58.4	1004.7	0.05	
26/01/2020 20:00	13	0.1	1.4	28.7	62.4	1005.2	0.2	
26/01/2020 20:30	328	0	0.8	28.7	58.7	1005.5	0.2	
26/01/2020 21:00	25	0.2	1.1	28.2	60.9	1005.6	0.2	
26/01/2020 21:30	65	0.1	1.3	27.9	62.2	1006	0.2	
26/01/2020 22:00	291	0	0.2	27.6	62.8	1006.1	0.2	
26/01/2020 22:30	176	0	0.3	27.1	66.7	1005.9	0.2	
26/01/2020 23:00	142	0	1.9	27	68.7	1006.8	0.2	
26/01/2020 23:30	142	1.7	3.3	27	68	1006.6	0.2	
27/01/2020 0:00	139	0.5	2.9	25.3	76.9	1006.7	0.2	
27/01/2020 0:30	148	0.4	1.8	24.8	78.3	1006.7	0.2	
27/01/2020 1:00	148	0.1	1.3	24.7	79	1007.2	0.2	
27/01/2020 1:30	178	1.7	3.7	24.5	77.4	1007.4	0.2	
27/01/2020 2:00	186	0.5	1.4	24.6	77.1	1007.4	0.2	
27/01/2020 2:30	144	0	0.7	24.6	77	1007.6	0.2	
27/01/2020 3:00	173	0.2	1.9	24.6	77.1	1007.4	0.2	
27/01/2020 3:30	163	0.4	1.2	24.6	77.4	1007.5	0.2	
27/01/2020 4:00	177	0.3	1.3	24.7	77.3	1007.7	0.2	
27/01/2020 4:30	160	0.1	0.8	24.5	78.5	1007.9	0.2	
27/01/2020 5:00	195	0.5	1.3	24.5	78.8	1008.2	0.2	
27/01/2020 5:30	191	0.7	1.3	24.5	79.1	1008.3	0.2	
27/01/2020 6:00	187	0.4	1.6	24.5	78.5	1008.6	0.2	
27/01/2020 6:30	156	0.2	1.2	24.4	78.4	1008.8	0.2	
27/01/2020 7:00	171	0.7	2.2	24.4	77	1008.9	0.2	
27/01/2020 7:30	165	0.6	2	25.4	73.8	1008.9	0.22	
27/01/2020 8:00	180	0.5	1.3	26.3	70.3	1009.1	0.22	
27/01/2020 8:30	149	0.2	0.8	27.1	66.5	1009	0.22	
27/01/2020 9:00	182	0.2	1.1	27.8	64.1	1008.8	0.22	0.22
27/01/2020 9:30	142	0.2	1.5	28.5	60.7	1008.7	0	
27/01/2020 10:00	84	0.5	1.8	29.7	59.6	1008.5	0	
27/01/2020 10:30	42	0.2	1.3	29.7	58.6	1008.3	0	
27/01/2020 11:00	93	0.4	1.7	30.5	54.5	1008	0	
27/01/2020 11:30	147	0.4	1.6	30.5	53.8	1007.6	0	
27/01/2020 12:00	149	0.6	2	30.6	54.3	1007.4	0	
27/01/2020 12:30	132	0.6	1.7	31.5	51.8	1007	0	
27/01/2020 13:00	78	0.6	3.1	30.8	54.2	1006.7	0	
27/01/2020 13:30	96	0.6	2.6	31.2	52.7	1006.2	0	

27/01/2020 14:00	73	0.2	2	31.2	52.7	1006	0	
27/01/2020 14:30	127	0.5	1.5	31.4	53.1	1005.8	0	
27/01/2020 15:00	106	0.5	2.9	31.4	51.9	1005.4	0	
27/01/2020 15:30	124	0.1	1.9	31.6	52.2	1005.2	0	
27/01/2020 16:00	134	0.3	1.9	31.2	53.2	1004.9	0	
27/01/2020 16:30	119	0.5	2	30.3	56.3	1004.9	0	
27/01/2020 17:00	141	0.2	1.6	29.4	59.8	1004.9	0.01	
27/01/2020 17:30	75	0.4	3.1	29	63.7	1005	0.01	
27/01/2020 18:00	89	0.1	1.3	28.4	67	1005.2	0.01	
27/01/2020 18:30	72	0.2	1.9	27.9	68.4	1005.4	0.01	
27/01/2020 19:00	78	0.1	0.8	27.4	70	1006	0.01	
27/01/2020 19:30	67	0.4	1.4	26.9	71.3	1006.2	0.01	
27/01/2020 20:00	106	0.1	0.7	26.6	73.4	1006.5	0.01	
27/01/2020 20:30	132	0.2	0.9	26.4	74.5	1006.7	0.01	
27/01/2020 21:00	63	0.2	0.7	26.2	74.3	1007.1	0.01	
27/01/2020 21:30	99	0.1	1.1	25.8	75.8	1007.2	0.01	
27/01/2020 22:00	139	0.5	1.1	25.7	74	1007.2	0.01	
27/01/2020 22:30	179	0.3	0.9	25.5	74	1007.3	0.01	
27/01/2020 23:00	167	0.1	0.7	25.3	76.1	1007.4	0.01	
27/01/2020 23:30	187	0.4	0.9	25.1	77.7	1007.1	0.01	
28/01/2020 0:00	185	0.2	0.6	24.9	79.1	1006.8	0.01	
28/01/2020 0:30	155	0.3	1.2	24.8	80.3	1006.7	0.01	
28/01/2020 1:00	127	0.2	0.8	24.6	81.5	1006.4	0.01	
28/01/2020 1:30	184	0.6	1	24.5	82	1006.3	0.01	
28/01/2020 2:00	153	0	0.4	24.2	82.9	1006.3	0.01	
28/01/2020 2:30	171	0.6	1.3	23.9	84.8	1005.9	0.01	
28/01/2020 3:00	171	0.8	1.1	23.8	85.5	1005.6	0.01	
28/01/2020 3:30	190	0	0.5	23.6	85.9	1005.7	0.01	
28/01/2020 4:00	103	0	0.4	23.6	86	1005.7	0.01	
28/01/2020 4:30	156	0	0.4	23.6	85.9	1005.9	0.01	
28/01/2020 5:00	173	0.1	1.1	23.4	86	1006.2	0.01	
28/01/2020 5:30	154	0.4	1	23.4	86.6	1006.6	0.01	
28/01/2020 6:00	149	0.1	0.9	23.6	85.1	1006.6	0.01	
28/01/2020 6:30	140	0.2	1.5	23.7	84.6	1006.9	0.01	
28/01/2020 7:00	164	0.8	1.6	24.1	81.8	1007.1	0.01	
28/01/2020 7:30	82	0.1	0.4	25.4	77.7	1007.4	0.01	
28/01/2020 8:00	193	1.3	2.3	26	72	1007.4	0.01	
28/01/2020 8:30	167	0.1	0.8	27.8	65.7	1007.4	0.01	
28/01/2020 9:00	273	0	0.5	27.9	64.8	1007.3	0.01	0.01
28/01/2020 9:30	115	0	1.1	30	57.6	1007	0	
28/01/2020 10:00	104	0.1	0.8	29.7	58.2	1006.6	0	
28/01/2020 10:30	46	0.3	1.9	29.7	59.2	1006	0	
28/01/2020 11:00	350	0.1	1.3	30.7	54.3	1005.8	0	
28/01/2020 11:30	62	0.5	1.8	31.4	53	1005	0	
28/01/2020 12:00	22	0.1	0.9	32.7	49.3	1004.7	0	
28/01/2020 12:30	346	0.1	0.5	33.2	48.1	1004.4	0	
28/01/2020 13:00	74	0.1	1.6	35.5	44.4	1003.8	0	
28/01/2020 13:30	107	0.1	2.6	33.3	50.5	1003.5	0	
28/01/2020 14:00	81	0.6	2.1	33.5	50.8	1002.9	0	
28/01/2020 14:30	95	0.7	2.1	32.5	55.2	1002.6	0.03	
28/01/2020 15:00	106	0.1	1.6	31.6	58.9	1002.6	0.03	
28/01/2020 15:30	142	1.2	3.4	31.3	59.3	1002.6	0.03	
28/01/2020 16:00	132	0.1	2	30.5	59.3	1002.7	0.03	
28/01/2020 16:30	132	0.4	3.7	28.6	67.1	1003.4	0.03	
28/01/2020 17:00	124	0.3	3.1	27.4	69.8	1003.9	0.03	
28/01/2020 17:30	142	1.7	3.6	27.3	71.9	1004.4	0.03	
28/01/2020 18:00	138	0.2	3.4	26.6	74.1	1004.8	0.03	
28/01/2020 18:30	140	1.3	3.1	26.1	76.5	1005.4	0.03	
28/01/2020 19:00	146	0.1	1.9	26.1	77	1006.2	0.03	
28/01/2020 19:30	147	1	3.2	25.6	76.3	1006.7	0.03	
28/01/2020 20:00	149	0	1.5	25.3	75.6	1007.4	0.03	
28/01/2020 20:30	135	0.1	1.6	25.6	73.8	1007.9	0.03	
28/01/2020 21:00	157	0.1	2.6	25.7	73.8	1008.5	0.03	
28/01/2020 21:30	141	1.6	2.6	25.5	76.2	1009	0.03	
28/01/2020 22:00	154	0.3	2.1	25.4	76.3	1009	0.03	
28/01/2020 22:30	160	0.3	1.1	25.4	76.6	1009	0.03	
28/01/2020 23:00	164	0.2	1.1	24.9	80.3	1009	0.03	
28/01/2020 23:30	206	0.1	0.7	23.9	87.5	1009.1	0.03	
29/01/2020 0:00	196	0.1	1.6	23.5	88.2	1009	0.03	
29/01/2020 0:30	114	0	0.2	23.7	87.1	1009.1	0.03	
29/01/2020 1:00	150	0.3	1.3	24.1	81.1	1008.9	0.03	
29/01/2020 1:30	149	0.7	1.8	24.2	79.3	1008.9	0.03	
29/01/2020 2:00	172	0.5	1.9	24.1	79	1009	0.03	
29/01/2020 2:30	188	0.3	1.8	24	78.5	1008.8	0.03	
29/01/2020 3:00	179	0.2	1.2	24	77.4	1008.8	0.03	
29/01/2020 3:30	178	0.1	1.9	23.8	76.2	1008.8	0.03	
29/01/2020 4:00	155	0.1	1	23.8	76.1	1008.8	0.03	
29/01/2020 4:30	123	0.1	0.7	23.8	74	1009	0.03	
29/01/2020 5:00	182	0.3	2	23.8	70.1	1009.5	0.03	
29/01/2020 5:30	136	0	1.7	23.7	69.5	1009.8	0.03	
29/01/2020 6:00	151	0	0.9	23.5	70.5	1010.2	0.03	
29/01/2020 6:30	143	0.2	1.7	23.3	67.9	1010.4	0.03	
29/01/2020 7:00	124	0.1	2.8	24.2	66.2	1010.5	0.03	
29/01/2020 7:30	139	0.2	1.2	24.3	65.5	1010.7	0.03	
29/01/2020 8:00	158	0.2	1	24.5	65.1	1010.8	0.03	
29/01/2020 8:30	192	0.3	2.5	24.5	62.8	1010.8	0.03	
29/01/2020 9:00	145	0.8	2.1	25.6	60.4	1011.1	0.03	0.03
29/01/2020 9:30	134	1.3	2.5	25.9	56.8	1011.1	0	
29/01/2020 10:00	62	0.1	1.8	26.7	53.9	1011	0	
29/01/2020 10:30	133	0.2	1.5	27.2	54.8	1010.8	0	
29/01/2020 11:00	125	0.1	1.2	27.3	53.4	1010.6	0	
29/01/2020 11:30	98	0.2	1	28	53.1	1010.4	0	
29/01/2020 12:00	149	0.6	2.2	28.8	50.9	1010.2	0	
29/01/2020 12:30	95	0.4	2.3	28.2	52.3	1009.9	0	
29/01/2020 13:00	121	0.2	2.5	29.9	49.1	1009.8	0	



29/01/2020 13:30	78	0.1	2	29.6	49.5	1009.6	0
29/01/2020 14:00	103	0.2	1.1	29.7	48.1	1009.7	0
29/01/2020 14:30	126	0.2	1.8	29	51.2	1009.7	0
29/01/2020 15:00	144	0.6	3.2	28.8	53.4	1009.6	0
29/01/2020 15:30	126	0.3	1.9	28.7	54.4	1009.6	0
29/01/2020 16:00	134	0.2	2.2	27.8	57.1	1009.8	0.01
29/01/2020 16:30	125	0.5	2	26.5	60.9	1009.9	0.01
29/01/2020 17:00	89	0.1	2.8	26.5	61.4	1010.1	0.01
29/01/2020 17:30	112	0.6	3.1	25.9	63.4	1010.4	0.01
29/01/2020 18:00	121	0.2	1.4	25.4	65.2	1010.5	0.01
29/01/2020 18:30	149	0.9	2.5	25.1	66.2	1011	0.01
29/01/2020 19:00	138	0	1	24.9	65.6	1011.4	0.01
29/01/2020 19:30	130	0.2	1.5	24.3	66.3	1011.7	0.01
29/01/2020 20:00	112	0.2	1.4	24.3	65.7	1012.2	0.01
29/01/2020 20:30	129	0.1	1.3	24.3	66.7	1012.5	0.01
29/01/2020 21:00	127	0.1	1.9	24	67.2	1012.6	0.01
29/01/2020 21:30	125	0.1	1	23.5	68.6	1012.7	0.01
29/01/2020 22:00	115	0.3	1.3	23.1	70.2	1012.6	0.01
29/01/2020 22:30	99	0.1	0.8	22.6	71.3	1012.5	0.01
29/01/2020 23:00	125	0.2	0.6	22.7	72.7	1012.5	0.01
29/01/2020 23:30	275	0	0.2	22.2	74.4	1012.4	0.01
30/01/2020 0:00	227	0.1	0.3	21.5	77.3	1012.3	0.01
30/01/2020 0:30	169	0	0.2	21	80.9	1012.2	0.01
30/01/2020 1:00	340	0	0.1	20.5	81.2	1011.9	0.01
30/01/2020 1:30	323	0	0.1	19.9	83.4	1011.9	0.01
30/01/2020 2:00	196	0	0.2	20	84.2	1011.7	0.01
30/01/2020 2:30	154	0	0.2	20	84.8	1011.6	0.01
30/01/2020 3:00	162	0	0.1	19.8	84.6	1011.3	0.01
30/01/2020 3:30	214	0	0.2	19.2	83.9	1011.2	0.01
30/01/2020 4:00	143	0.1	0.4	19.1	85.9	1011.1	0.01
30/01/2020 4:30	178	0	0.2	19	86	1011.1	0.01
30/01/2020 5:00	181	0	0.1	18.8	87	1011.4	0.01
30/01/2020 5:30	191	0	0.1	18.6	87.2	1011.5	0.01
30/01/2020 6:00	194	0	0.1	19	88.3	1011.6	0
30/01/2020 6:30	134	0	0.2	20	87.5	1011.9	0
30/01/2020 7:00	158	0	0.4	21.4	82	1012.2	0
30/01/2020 7:30	7	0	0.7	22.7	74.7	1012.5	0
30/01/2020 8:00	5	0.1	1.5	23	72.1	1012.5	0
30/01/2020 8:30	120	0	0.3	24.1	66.4	1012.5	0
30/01/2020 9:00	328	0.4	1.5	24.9	59.7	1012.5	0
30/01/2020 9:30	39	0.2	1.5	25.7	57.9	1012.3	0
30/01/2020 10:00	50	0.4	2.2	26.2	57.2	1012	0
30/01/2020 10:30	46	0.4	1.9	26.4	54.6	1011.6	0
30/01/2020 11:00	28	0.4	2.2	28.6	52	1011.1	0
30/01/2020 11:30	96	0.2	1.9	28.5	50.9	1010.7	0
30/01/2020 12:00	236	0.1	0.5	29	48.3	1010.2	0
30/01/2020 12:30	293	0.1	0.9	29.9	45.3	1009.5	0
30/01/2020 13:00	48	0.4	2.1	31.1	41.4	1009.1	0
30/01/2020 13:30	37	0.5	2.1	31.9	41.1	1008.4	0
30/01/2020 14:00	43	0.2	2.5	31.9	40.3	1007.9	0
30/01/2020 14:30	87	0.3	1.6	32.9	36.7	1007.6	0
30/01/2020 15:00	73	0.1	0.9	33	36.4	1007.2	0
30/01/2020 15:30	45	0.2	2.7	32.1	42.6	1007	0
30/01/2020 16:00	61	0.3	2	32.1	45.4	1006.8	0
30/01/2020 16:30	85	0.5	1.4	31.7	48	1006.9	0
30/01/2020 17:00	94	0.7	2.3	30.3	54.4	1007	0
30/01/2020 17:30	96	0.8	2.7	29.3	58.6	1007	0
30/01/2020 18:00	126	0.2	1.8	28.2	62.8	1007.4	0
30/01/2020 18:30	88	0.7	1.6	27.4	66.5	1007.8	0
30/01/2020 19:00	93	0.4	1.7	26.5	70.4	1008.2	0
30/01/2020 19:30	60	0.3	1.8	26.1	72.4	1008.4	0
30/01/2020 20:00	84	0.1	0.6	25.6	75	1008.9	0
30/01/2020 20:30	62	0.7	1.4	25.5	75.4	1009	0
30/01/2020 21:00	77	0.1	1.1	25.3	76.6	1009.4	0
30/01/2020 21:30	83	0	0.6	24.8	78.7	1009.5	0
30/01/2020 22:00	10	0	0.6	24.6	80.6	1009.5	0
30/01/2020 22:30	168	0.2	0.3	24.1	82.4	1009.5	0
30/01/2020 23:00	192	0	0.2	23.7	83.5	1009.4	0
30/01/2020 23:30	187	0	0.1	23.3	85	1009.4	0
31/01/2020 0:00	126	0	0.1	23.3	84.9	1009.3	0
31/01/2020 0:30	282	0	0.1	23.1	85.3	1009	0
31/01/2020 1:00	149	0	0.3	22.6	86.8	1008.8	0
31/01/2020 1:30	229	0	0.1	22.4	87.9	1008.8	0
31/01/2020 2:00	256	0	0.2	21.9	88.6	1008.7	0
31/01/2020 2:30	153	0	0.2	22.2	89.3	1008.6	0
31/01/2020 3:00	194	0	0.2	22.1	87.8	1008.5	0
31/01/2020 3:30	211	0	0.2	22.2	87.7	1008.5	0
31/01/2020 4:00	225	0.1	0.3	22.5	88.6	1008.7	0
31/01/2020 4:30	281	0	0.2	22.8	88.3	1008.9	0
31/01/2020 5:00	247	0	0.1	23.1	87	1009.2	0
31/01/2020 5:30	81	0	0.3	23.8	86.4	1009.6	0
31/01/2020 6:00	225	0.1	0.4	23.9	85.2	1009.8	0
31/01/2020 6:30	58	0.3	1.4	24	83.8	1010	0
31/01/2020 7:00	97	0.4	1.3	24.3	81.9	1010.3	0
31/01/2020 7:30	26	0.1	0.6	24.3	82.3	1010.4	0
31/01/2020 8:00	100	0	0.5	24.6	80.2	1010.4	0
31/01/2020 8:30	8	1	1.8	25.3	74.9	1010.3	0
31/01/2020 9:00	54	0.2	1.9	26.6	71.2	1009.9	0
31/01/2020 9:30	338	0.4	1.5	27.3	68.3	1009.8	0
31/01/2020 10:00	149	0.1	0.7	29.7	60.5	1009.1	0
31/01/2020 10:30	217	0	0.4	31.1	56.1	1008.7	0
31/01/2020 11:00	345	0	0.9	32.3	51.6	1008.2	0
31/01/2020 11:30	330	0.1	1.1	33.8	44.1	1007.7	0
31/01/2020 12:00	40	0.4	1.7	35.2	40.3	1007	0
31/01/2020 12:30	37	0.2	1.6	36.1	35.7	1006.5	0

31/01/2020 13:00	102	0.1	2.1	37.6	38.1	1006	0
31/01/2020 13:30	90	0.3	2.2	37.6	41.2	1005.9	0
31/01/2020 14:00	122	0.3	1.8	36.5	43.3	1005.6	0
31/01/2020 14:30	86	0.6	2.9	36.8	43.9	1005.1	0
31/01/2020 15:00	118	0.2	2.6	36.8	43.6	1004.6	0
31/01/2020 15:30	135	0.1	1.8	36.8	43.5	1004.5	0
31/01/2020 16:00	101	0.1	1.7	37.3	42	1004.4	0
31/01/2020 16:30	104	0.6	2.7	36.1	43.6	1004.2	0
31/01/2020 17:00	93	0.8	2.3	35.4	44.4	1004.2	0
31/01/2020 17:30	126	0.4	1.6	34.5	46.7	1004.3	0
31/01/2020 18:00	79	0.2	1.9	33.2	47.7	1004.4	0
31/01/2020 18:30	105	0.1	1	32.4	51.4	1004.6	0
31/01/2020 19:00	94	0.2	0.8	31.8	52.8	1005.1	0
31/01/2020 19:30	80	0.1	1.1	31.1	54.2	1005.4	0
31/01/2020 20:00	98	0	0.2	30.3	56.4	1005.5	0
31/01/2020 20:30	131	0	0.5	29.2	60.9	1005.6	0
31/01/2020 21:00	151	0.8	1.1	28.5	63.7	1006	0
31/01/2020 21:30	121	0.3	1.1	28.2	65.5	1006	0
31/01/2020 22:00	152	0.3	0.9	27.9	66.3	1006.1	0
31/01/2020 22:30	151	0.5	0.8	27.3	69.6	1006.1	0
31/01/2020 23:00	158	0.7	1	27	72	1005.9	0
31/01/2020 23:30	158	0.4	0.8	26.7	73.2	1005.9	0
1/02/2020 0:00	150	0.5	0.9	26.2	75.6	1005.7	0
1/02/2020 0:30	177	0.6	0.8	26	77.1	1005.4	0
1/02/2020 1:00	147	0.5	0.7	25.8	78.3	1005.1	0
1/02/2020 1:30	237	0.2	0.4	25.5	78.6	1004.9	0
1/02/2020 2:00	256	0	0.1	25	80.6	1004.6	0
1/02/2020 2:30	170	0	0.1	24.6	82	1004.6	0
1/02/2020 3:00	176	0.8	1.1	24.9	80.6	1004.6	0
1/02/2020 3:30	188	0.4	0.8	25.2	81.4	1004.5	0
1/02/2020 4:00	152	0	0.2	24.9	82.4	1004.4	0
1/02/2020 4:30	165	0	0.3	24.7	83	1004.6	0
1/02/2020 5:00	158	0	0.2	24.4	84.7	1004.9	0
1/02/2020 5:30	120	0	0.1	24.1	85.3	1005	0
1/02/2020 6:00	112	0	0.3	24.8	84.5	1005.4	0
1/02/2020 6:30	93	0	0.2	26.1	78.6	1005.5	0
1/02/2020 7:00	28	0.1	0.7	27.5	70.7	1005.5	0
1/02/2020 7:30	0	0.1	1.2	27.8	68.1	1005.6	0
1/02/2020 8:00	55	0.3	1.2	29.5	61.6	1005.5	0
1/02/2020 8:30	340	0.2	1	31	54.7	1005.1	0
1/02/2020 9:00	350	0	0.4	33.3	48.1	1005	0
1/02/2020 9:30	302	0	0.6	35.5	42.9	1004.6	0
1/02/2020 10:00	347	0.3	1.6	37.3	36.3	1004.3	0
1/02/2020 10:30	0	0.3	1.4	39	32.5	1003.7	0
1/02/2020 11:00	317	0.1	2.7	40.5	28.1	1003.3	0
1/02/2020 11:30	345	0.7	2.9	42.8	24.1	1002.7	0
1/02/2020 12:00	4	0.1	1.4	43.2	20.4	1002.2	0
1/02/2020 12:30	349	0.1	2	43.8	17.8	1001.8	0
1/02/2020 13:00	38	0.1	1.5	44.1	16.9	1001.3	0
1/02/2020 13:30	56	0.7	1.9	45.2	14.9	1000.9	0
1/02/2020 14:00	54	0.1	2.8	45.1	14.8	1000.6	0
1/02/2020 14:30	67	0.1	2.6	44.7	21.6	1000.2	0
1/02/2020 15:00	65	1.3	3.7	44.9	20.1	999.7	0
1/02/2020 15:30	61	0.8	3.3	44.3	15.5	999.6	0
1/02/2020 16:00	58	0.9	4.8	43.5	20.5	999.4	0
1/02/2020 16:30	65	0.6	4.8	41.4	23.5	999.3	0
1/02/2020 17:00	69	0.4	5	41.5	25.5	999.2	0
1/02/2020 17:30	69	0.2	2.5	40.5	27.1	999.3	0
1/02/2020 18:00	69	1	2.6	39.2	29.1	999.4	0
1/02/2020 18:30	67	0.2	2.8	37.5	32.2	999.5	0
1/02/2020 19:00	58	0.7	2.5	36.8	35.2	999.5	0
1/02/2020 19:30	162	0	0.2	36.1	37.1	999.7	0
1/02/2020 20:00	189	0.1	0.3	35.3	39.1	1000.2	0
1/02/2020 20:30	305	0	0.3	34.7	40.9	1000.5	0
1/02/2020 21:00	189	0.2	0.9	34.5	42.7	1000.8	0
1/02/2020 21:30	190	0	0.2	33.7	44.2	1000.8	0
1/02/2020 22:00	224	0.4	0.8	33.4	45.6	1000.7	0
1/02/2020 22:30	162	0.3	0.6	32.3	48.6	1000.4	0
1/02/2020 23:00	169	0	0.2	31.6	51.4	1000.2	0
1/02/2020 23:30	205	0	0.2	31.2	53.2	1000.1	0
2/02/2020 0:00	173	0.3	0.6	31.5	52	999.8	0
2/02/2020 0:30	161	0.5	1	31	54.6	999.7	0
2/02/2020 1:00	158	0.8	1.3	30.2	58	999.6	0
2/02/2020 1:30	185	0.8	1.3	29.7	60.1	999.5	0
2/02/2020 2:00	157	0.9	1.2	29.2	62.5	999.2	0
2/02/2020 2:30	165	0.6	1	28.8	64.1	998.9	0
2/02/2020 3:00	153	0	0.6	28.6	65.6	999	0
2/02/2020 3:30	156	0.3	1.7	27.9	68.1	999.4	0
2/02/2020 4:00	140	0.4	1.4	27.4	70.4	999.9	0
2/02/2020 4:30	138	0.3	1.3	27.3	69.5	999.9	0
2/02/2020 5:00	103	0.1	1.4	27.2	70.2	999.9	0
2/02/2020 5:30	100	0.1	1.1	26.8	69	1000.1	0
2/02/2020 6:00	124	0.1	1.1	26.6	68.3	1000.7	0
2/02/2020 6:30	124	0	0.9	26.6	68.1	1001.1	0
2/02/2020 7:00	131	0.2	1.4	26.8	67.4	1001.1	0
2/02/2020 7:30	122	0.1	0.8	26.7	68.2	1001.4	0
2/02/2020 8:00	104	0.1	1.3	26.6	67.4	1001.3	0
2/02/2020 8:30	87	0.2	1.5	27.5	65.4	1001.1	0
2/02/2020 9:00	112	0.2	1.2	28.4	60.8	1001	0
2/02/2020 9:30	95	0.1	1.3	29.2	58.4	1000.8	0
2/02/2020 10:00	134	0.3	1.8	30.1	55.5	1000.7	0
2/02/2020 10:30	153	0.1	2	30.1	57.1	1000.3	0
2/02/2020 11:00	75	0.2	1.9	30.7	54.9	1000.1	0
2/02/2020 11:30	121	0.4	2.2	31.5	52.1	999.6	0
2/02/2020 12:00	145	0.1	1.7	33	48.8	999.2	0

2/02/2020 12:30	104	0.3	2.3	33.2	48.4	998.8	0	
2/02/2020 13:00	98	0.8	3	32.2	50.5	998.5	0	
2/02/2020 13:30	117	0.7	3.5	32.4	50.2	998.3	0	
2/02/2020 14:00	103	0.3	3.1	31.2	53.7	998.2	0	
2/02/2020 14:30	127	0.5	4	30.6	55.9	998.2	0	
2/02/2020 15:00	134	1.3	4.2	29.4	60.9	998.7	0	
2/02/2020 15:30	147	1.2	3.3	27.2	70.8	999.5	0	
2/02/2020 16:00	107	0.4	2.3	26.7	71.3	1001	0	
2/02/2020 16:30	105	0.7	2.4	26.6	71.3	1000.2	0	
2/02/2020 17:00	134	1	3.5	24.8	84.5	1000.3	2.38	
2/02/2020 17:30	156	0.8	3	24	86.7	1001.2	3.54	
2/02/2020 18:00	160	0	0.4	23.7	87.8	1003.1	3.67	
2/02/2020 18:30	197	0.1	0.8	22.5	91.7	1003.2	27.52	
2/02/2020 19:00	174	0.1	1.5	22.7	91.9	1003.4	31.88	
2/02/2020 19:30	142	0.2	1.1	22.8	91.7	1003.4	32	
2/02/2020 20:00	99	0.1	0.8	23	91.5	1003.1	32	
2/02/2020 20:30	223	0.4	0.7	23	91.6	1004.6	32.01	
2/02/2020 21:00	78	0.1	0.4	23.4	92	1004.2	32.01	
2/02/2020 21:30	143	1	1.5	23.2	89.8	1003.8	32.04	
2/02/2020 22:00	127	0	0.6	23.2	89	1003.1	32.04	
2/02/2020 22:30	143	0.6	1.6	23.2	88	1002.8	32.04	
2/02/2020 23:00	99	0.1	1.1	23.2	88.5	1002.6	32.04	
2/02/2020 23:30	118	0.1	0.7	23.3	88.8	1002.6	32.04	
3/02/2020 0:00	117	0.3	1	23.3	87.7	1002.4	32.04	
3/02/2020 0:30	89	0.4	1.3	23.3	87.5	1001.7	32.04	
3/02/2020 1:00	67	0.3	1.4	23.4	87.9	1001.6	32.04	
3/02/2020 1:30	86	0.1	1	23.3	89	1001.3	32.04	
3/02/2020 2:00	159	0.1	0.4	23	91	1001	32.04	
3/02/2020 2:30	70	0.3	1.1	23.1	91.4	1000.5	32.04	
3/02/2020 3:00	115	0.1	0.6	23.3	91.7	1000.4	32.04	
3/02/2020 3:30	157	0.1	0.3	23.3	91.8	1000.3	32.04	
3/02/2020 4:00	69	0.2	0.8	23.2	91.3	1000	32.04	
3/02/2020 4:30	141	0.2	0.8	23.2	91.7	999.7	32.04	
3/02/2020 5:00	178	0.1	0.8	23.2	90.7	999.6	32.07	
3/02/2020 5:30	105	0.2	0.6	23.4	90.8	999.8	32.07	
3/02/2020 6:00	163	0.1	0.7	23.6	91	999.8	32.07	
3/02/2020 6:30	191	0.4	0.8	23.5	89.9	1000	32.16	
3/02/2020 7:00	168	0	0.7	23.3	90.6	1000.6	32.25	
3/02/2020 7:30	150	0.4	1.2	23.3	91	1000.6	32.49	
3/02/2020 8:00	177	0.2	0.6	23.7	91.1	1000.3	32.53	
3/02/2020 8:30	161	0	0.8	24.1	90.5	1000.7	32.53	
3/02/2020 9:00	138	0.1	0.7	24.7	86.8	1000.5	32.53	32.53
3/02/2020 9:30	153	0.6	1.3	25	80.5	1000.5	0	
3/02/2020 10:00	163	0.1	0.8	24.1	66.9	1000.5	0.09	
3/02/2020 10:30	108	0	0.5	26.2	56.4	1000.1	0.09	
3/02/2020 11:00	305	0.1	0.5	27.6	52.1	999.7	0.09	
3/02/2020 11:30	58	0.1	1.5	27.9	54.6	999.3	0.09	
3/02/2020 12:00	114	0	1.1	29.4	49.2	998.9	0.09	
3/02/2020 12:30	213	0.2	1.8	30.8	43.8	998.5	0.09	
3/02/2020 13:00	229	0.1	1	32.2	34.6	998.1	0.09	
3/02/2020 13:30	241	0.2	1.3	33.4	28.2	997.8	0.09	
3/02/2020 14:00	50	0.1	0.7	33	28.5	997.4	0.09	
3/02/2020 14:30	137	0.1	1.7	34.2	22.2	997.1	0.09	
3/02/2020 15:00	354	0.2	0.9	35.1	19.4	997	0.09	
3/02/2020 15:30	108	0.1	1	35.1	15.7	997.1	0.09	
3/02/2020 16:00	113	0.4	2.5	35.4	27.9	997.6	0.09	
3/02/2020 16:30	135	0.4	3.2	28.7	39.8	999	0.09	
3/02/2020 17:00	143	2.4	5.7	27.7	46.2	1000.1	0.09	
3/02/2020 17:30	145	3.1	5.7	26	57.8	1000.9	0.09	
3/02/2020 18:00	145	2.5	5.2	23.7	66.3	1002.4	0.09	
3/02/2020 18:30	138	1	4.1	22.1	67.9	1003.9	0.09	
3/02/2020 19:00	149	0.1	3.7	21.4	67.1	1005	0.09	
3/02/2020 19:30	161	0.8	3.2	20.7	66.7	1006.2	0.09	
3/02/2020 20:00	153	0.3	2.6	20.5	65.4	1007.3	0.09	
3/02/2020 20:30	146	0.8	4.5	20.5	63.8	1008.3	0.09	
3/02/2020 21:00	151	1.1	2.2	20	63.5	1009	0.09	
3/02/2020 21:30	161	0.2	2.9	20	63.7	1009.6	0.09	
3/02/2020 22:00	142	0.6	2.3	20	61.1	1010	0.09	
3/02/2020 22:30	141	0.7	2.4	20	60.8	1010.4	0.09	
3/02/2020 23:00	124	0.2	1.3	20.1	58.3	1010.8	0.09	
3/02/2020 23:30	133	0.2	1.3	20.1	57.1	1011.1	0.09	
4/02/2020 0:00	125	0.6	1.6	20.2	54.9	1011.3	0.09	
4/02/2020 0:30	127	0.3	2.5	19.9	49.7	1011.3	0.09	
4/02/2020 1:00	143	1.4	3.1	19.6	48.3	1011.4	0.09	
4/02/2020 1:30	157	0.2	2.4	19.4	47.6	1011.4	0.09	
4/02/2020 2:00	159	0.4	2.4	19.4	46.3	1011.5	0.09	
4/02/2020 2:30	145	0.3	3	19.1	44.5	1011.6	0.09	
4/02/2020 3:00	162	0.1	1.8	18.9	46	1011.7	0.09	
4/02/2020 3:30	183	0.1	1.4	18.8	42.7	1011.8	0.09	
4/02/2020 4:00	136	0.5	1.7	18.5	47.5	1012.1	0.09	
4/02/2020 4:30	182	0.8	2.7	18	47.3	1012.3	0.09	
4/02/2020 5:00	170	1	2.1	17.7	48.3	1012.7	0.09	
4/02/2020 5:30	169	0	2.1	17.5	47.5	1013.3	0	
4/02/2020 6:00	177	0.1	1.4	17.4	46.9	1013.8	0	
4/02/2020 6:30	172	0.6	2.5	17.6	46.2	1014.2	0	
4/02/2020 7:00	199	0.1	1.3	17.6	44.8	1014.6	0	
4/02/2020 7:30	172	0.3	2.9	18.4	43.7	1015	0	
4/02/2020 8:00	164	0.4	2.6	18.7	43.7	1015.2	0	
4/02/2020 8:30	165	0.1	1.4	19.2	44	1015.4	0	
4/02/2020 9:00	130	1.9	3.3	20.4	43.7	1015.4	0	0
4/02/2020 9:30	130	0.4	2.5	21.6	42	1015.6	0	
4/02/2020 10:00	135	0.1	1.4	21.7	42.8	1015.4	0	
4/02/2020 10:30	130	0.6	1.8	22.8	40.9	1015.3	0	
4/02/2020 11:00	123	0.2	1.9	23.6	39.7	1015	0	
4/02/2020 11:30	127	0.8	1.8	24.3	39.6	1014.8	0	



4/02/2020 12:00	132	0.1	1.8	22.9	42.8	1014.6	0	
4/02/2020 12:30	88	0.2	2.2	22.6	43.7	1014.6	0	
4/02/2020 13:00	136	0.2	1.1	22.7	44.7	1014.9	0	
4/02/2020 13:30	124	0.5	2	22.1	48	1015	0	
4/02/2020 14:00	133	0.3	2	22.2	48.2	1015	0	
4/02/2020 14:30	113	0.3	2.5	22.9	47	1014.8	0	
4/02/2020 15:00	123	0.3	1.8	22.9	45.9	1014.7	0	
4/02/2020 15:30	142	0.3	2	22	49.1	1014.7	0	
4/02/2020 16:00	135	0.2	1.6	22.1	48.2	1014.6	0	
4/02/2020 16:30	113	0.3	2.1	22.1	49	1014.6	0	
4/02/2020 17:00	147	0.3	2.5	22.4	46.6	1014.6	0	
4/02/2020 17:30	108	0.5	2.1	21.9	50.6	1014.8	0	
4/02/2020 18:00	102	0.1	1.7	21.7	50.9	1015	0	
4/02/2020 18:30	108	0	0.9	21.4	51.3	1015.4	0	
4/02/2020 19:00	130	1	1.9	21.2	53.5	1015.9	0	
4/02/2020 19:30	89	0.4	1.1	21.1	56.9	1016.3	0	
4/02/2020 20:00	104	0.1	1.1	21.1	57.3	1016.5	0	
4/02/2020 20:30	86	0.2	0.9	21	57.1	1016.6	0	
4/02/2020 21:00	72	0.4	1.5	20.9	56.5	1016.7	0	
4/02/2020 21:30	79	0.3	1.6	20.7	60.1	1016.7	0	
4/02/2020 22:00	105	0.1	0.5	20.6	62.9	1016.6	0	
4/02/2020 22:30	69	0.1	0.7	20.4	64	1016.5	0	
4/02/2020 23:00	71	0.1	0.9	20.5	63.2	1016.2	0	
4/02/2020 23:30	70	0.3	0.9	20.5	62.7	1015.9	0	
5/02/2020 0:00	130	0	0.5	20.4	64.1	1015.6	0	
5/02/2020 0:30	76	0.2	0.9	20.4	64.3	1015.3	0	
5/02/2020 1:00	66	0.4	1.8	20.3	62.7	1015.1	0	
5/02/2020 1:30	76	0.2	0.8	20	64.2	1014.7	0	
5/02/2020 2:00	230	0	0.2	19.2	67.8	1014.4	0	
5/02/2020 2:30	321	0	0.3	18.4	72.7	1014.3	0	
5/02/2020 3:00	176	0	0.2	19.3	70.8	1013.9	0	
5/02/2020 3:30	350	0.1	0.9	19.4	68.1	1013.9	0	
5/02/2020 4:00	25	0.1	0.7	19.6	68.1	1013.9	0	
5/02/2020 4:30	37	0.1	0.7	19	70	1014.1	0	
5/02/2020 5:00	223	0	0.2	18.8	72	1014.5	0	
5/02/2020 5:30	197	0.1	0.3	18.2	74.3	1014.5	0	
5/02/2020 6:00	185	0	0.1	18	79.8	1014.9	0	
5/02/2020 6:30	341	0	0.2	18.7	74.2	1015.2	0	
5/02/2020 7:00	274	0	0.3	20.4	65.8	1015.5	0	
5/02/2020 7:30	345	0.1	1.3	22.1	58.6	1015.5	0	
5/02/2020 8:00	357	0.6	1.4	22	55.2	1015.7	0	
5/02/2020 8:30	44	0.1	1.6	22.5	52.1	1015.7	0	
5/02/2020 9:00	38	0.2	1.2	22.8	47.7	1015.5	0	0
5/02/2020 9:30	13	0.3	2	23.2	46.3	1015.3	0	
5/02/2020 10:00	348	0.2	0.9	24.5	44.4	1014.8	0	
5/02/2020 10:30	74	0.2	1.6	24.4	44.4	1014.4	0	
5/02/2020 11:00	109	0.2	1.2	25.6	41.3	1014.2	0	
5/02/2020 11:30	91	0	1.3	25.9	42.3	1013.8	0	
5/02/2020 12:00	11	0.1	1.4	25.3	42	1013.4	0	
5/02/2020 12:30	123	0.4	1.6	26.3	43.5	1013	0	
5/02/2020 13:00	75	0.1	2	27.3	41.9	1012.7	0	
5/02/2020 13:30	80	0.3	2.3	26	46.9	1012.6	0	
5/02/2020 14:00	112	0.2	2.4	25.8	48.2	1012.4	0.41	
5/02/2020 14:30	102	0.3	2.4	26.7	44.8	1012.1	0.82	
5/02/2020 15:00	73	0.6	2.6	26	46.6	1012	0.82	
5/02/2020 15:30	110	0.2	1.5	25.8	48.6	1012.2	0.82	
5/02/2020 16:00	62	0.7	2	25.6	48.6	1012	0.82	
5/02/2020 16:30	74	0.5	2.2	25.6	48.9	1012.1	0.82	
5/02/2020 17:00	88	0.7	2	25.3	51.5	1012.4	0.82	
5/02/2020 17:30	62	0.6	2.6	24.6	54.1	1012.6	0.82	
5/02/2020 18:00	88	0.4	1.7	24.5	56.4	1013	0.82	
5/02/2020 18:30	79	0.4	2.4	23.7	61.6	1013.1	0.82	
5/02/2020 19:00	87	0.2	0.9	23.2	64.1	1013.5	0.82	
5/02/2020 19:30	61	0.6	1.4	22.8	65.7	1014	0.82	
5/02/2020 20:00	73	0.1	1.7	22.7	66.4	1014.3	0.82	
5/02/2020 20:30	60	0.5	1.5	22.5	67.4	1014.6	0.82	
5/02/2020 21:00	74	0.1	1.1	22.3	68.7	1014.9	0.82	
5/02/2020 21:30	137	0	0.3	21.8	71.3	1014.9	0.82	
5/02/2020 22:00	185	0	0.2	20.9	77.1	1014.7	0.82	
5/02/2020 22:30	184	0	0.3	21.3	76.1	1014.7	0.82	
5/02/2020 23:00	170	0	0.3	21.6	74	1014.7	0.82	
5/02/2020 23:30	140	0.3	0.7	21.4	74.2	1014.8	0.82	
6/02/2020 0:00	144	0.2	1.6	22	72.7	1014.7	0.82	
6/02/2020 0:30	124	0.2	1.4	22	73.8	1014.4	0.82	
6/02/2020 1:00	114	0.1	0.8	21.2	82.7	1014.2	0.82	
6/02/2020 1:30	231	0.4	0.6	20.7	86.8	1013.9	0.82	
6/02/2020 2:00	142	0	0.1	20.6	87.9	1013.9	0.82	
6/02/2020 2:30	176	0.8	1.2	19.8	87.7	1013.8	0.82	
6/02/2020 3:00	134	0.2	0.6	20.1	87.9	1013.9	0.82	
6/02/2020 3:30	136	0.1	1.2	20.1	86.2	1014	0.82	
6/02/2020 4:00	166	0.3	0.9	20.4	86.9	1014	0.82	
6/02/2020 4:30	192	0.1	0.9	20.4	87.9	1014.1	0.85	
6/02/2020 5:00	198	0.3	1.3	20.2	87.7	1014.4	0.85	
6/02/2020 5:30	124	0	0.7	20.2	88	1015	0.85	
6/02/2020 6:00	61	0.2	1.2	20.5	87.4	1015.2	0.89	
6/02/2020 6:30	77	0.4	1.6	20.3	81.7	1015.3	0.89	
6/02/2020 7:00	71	0.5	1.6	21.5	75.9	1015.8	0.89	
6/02/2020 7:30	65	0.1	1.3	21.8	74.3	1016.2	1.54	
6/02/2020 8:00	138	0	0.9	22.6	72.8	1016.4	1.8	
6/02/2020 8:30	81	0.1	0.8	22.5	74.4	1016.5	1.8	
6/02/2020 9:00	70	0.1	0.8	22.4	67.3	1016.7	1.8	1.8
6/02/2020 9:30	62	0.1	0.9	21.5	79.8	1016.9	0	
6/02/2020 10:00	80	0.3	1.3	22.5	69.3	1016.9	0	
6/02/2020 10:30	83	0.3	1.6	22.8	68.5	1016.7	0	
6/02/2020 11:00	68	0.4	1.9	23.2	68.7	1016.6	0	

6/02/2020 11:30	67	1	2.2	23.5	67.4	1016.4	0	
6/02/2020 12:00	139	0	1.1	23.9	63.3	1016.4	0	
6/02/2020 12:30	69	0.3	1.4	24	63.7	1016.3	0.01	
6/02/2020 13:00	66	0.6	2.9	22.7	76.6	1016.1	0.02	
6/02/2020 13:30	84	0.4	1.5	23.5	68	1016.1	0.02	
6/02/2020 14:00	102	0.2	1.5	24.1	63	1015.9	0.02	
6/02/2020 14:30	89	0.2	1.5	23.3	64.9	1015.8	0.09	
6/02/2020 15:00	125	0.2	1.4	23.5	64.5	1015.7	0.09	
6/02/2020 15:30	136	0.1	1.6	23.1	67.8	1015.7	0.12	
6/02/2020 16:00	157	0.4	1.6	23	66.7	1015.6	0.12	
6/02/2020 16:30	195	0.1	0.8	23.1	66.4	1015.6	0.12	
6/02/2020 17:00	159	0.4	1.1	21.5	72.3	1015.5	0.64	
6/02/2020 17:30	154	0.9	1.6	21.3	75.5	1015.5	0.64	
6/02/2020 18:00	137	0.2	1.5	21.5	65.6	1015.7	0.64	
6/02/2020 18:30	152	0.3	0.8	21.7	70	1015.9	0.64	
6/02/2020 19:00	165	0.3	0.9	21	76	1015.9	0.64	
6/02/2020 19:30	152	0.4	0.8	20.7	78.3	1015.9	0.64	
6/02/2020 20:00	168	0	0.5	21	81.3	1016.2	0.65	
6/02/2020 20:30	66	0.1	0.7	21.2	82.7	1016.2	0.66	
6/02/2020 21:00	107	0.1	0.9	21	84.2	1016.3	0.92	
6/02/2020 21:30	206	0	0.3	20.4	86.3	1016.3	1.11	
6/02/2020 22:00	176	0.3	0.7	20.6	88.1	1016.1	1.52	
6/02/2020 22:30	90	0	0.3	20	88.1	1015.7	1.65	
6/02/2020 23:00	182	0	0.2	20	89.4	1015.5	1.72	
6/02/2020 23:30	153	0	0.1	20	90	1015.2	1.87	
7/02/2020 0:00	113	0.1	0.6	20.5	90.1	1014.9	1.93	
7/02/2020 0:30	150	0.6	1.1	20.3	89.7	1014.6	2	
7/02/2020 1:00	139	0.7	1.2	20.2	89.1	1014.3	2.03	
7/02/2020 1:30	177	0.6	1	20.1	89.3	1014	2.03	
7/02/2020 2:00	198	0.5	1.3	20.2	89.5	1013.4	2.03	
7/02/2020 2:30	181	0.4	0.7	20.2	90	1013.4	2.9	
7/02/2020 3:00	106	0.1	1	20.1	90.7	1013.3	6.45	
7/02/2020 3:30	78	0.3	1.1	20	90.8	1013.5	7.19	
7/02/2020 4:00	65	0.6	1.7	19.8	89.8	1013.5	7.59	
7/02/2020 4:30	140	0.1	1	19.6	90.3	1013.6	7.88	
7/02/2020 5:00	107	0.1	0.8	19.5	90.6	1013.9	7.9	
7/02/2020 5:30	79	0.4	1.5	19.4	90.7	1014.4	8.51	
7/02/2020 6:00	88	0.3	0.9	18.7	90.5	1014.3	9.9	
7/02/2020 6:30	119	0	0.9	19	91.3	1014.6	11.78	
7/02/2020 7:00	157	1.1	1.9	18.8	91.2	1014.8	14.77	
7/02/2020 7:30	180	0.6	1.2	19	91.5	1015	17.87	
7/02/2020 8:00	171	0.9	1.7	19	91.7	1015.2	20.77	
7/02/2020 8:30	125	0.1	0.9	19.3	91.9	1015.3	22.88	
7/02/2020 9:00	95	0.3	1.9	19.9	91.4	1015.3	23.38	23.38
7/02/2020 9:30	132	0	0.8	20.2	90.4	1015.2	0.12	
7/02/2020 10:00	144	0.6	2.3	20.2	88.3	1015.2	0.26	
7/02/2020 10:30	135	0.1	1.7	20.2	88.7	1015.2	0.34	
7/02/2020 11:00	127	0.1	1.7	19.7	89.4	1015.1	1.5	
7/02/2020 11:30	134	0.3	1.2	19.4	90.8	1014.9	5.35	
7/02/2020 12:00	131	0.2	1.4	19.7	91.6	1014.8	9.97	
7/02/2020 12:30	149	0.3	1.4	20.3	91.1	1014.6	10.82	
7/02/2020 13:00	168	0.3	1.5	20.3	90.8	1014.5	11.47	
7/02/2020 13:30	154	0.8	1.8	20	91.8	1014.3	15.81	
7/02/2020 14:00	176	0.6	2.3	20.2	90.4	1014	17.33	
7/02/2020 14:30	178	0.4	1.8	21.2	91.2	1013.7	17.52	
7/02/2020 15:00	168	0.3	2.3	20.6	89.5	1013.5	17.6	
7/02/2020 15:30	147	0.6	2.9	19.8	89.5	1013.6	18.25	
7/02/2020 16:00	145	1.2	3.4	19.9	90.4	1013.6	19.16	
7/02/2020 16:30	124	0.2	1.3	19.7	90.5	1013.7	20.43	
7/02/2020 17:00	148	0.3	2.1	19.8	90.5	1013.6	21.02	
7/02/2020 17:30	147	0.8	1.7	19.9	88.9	1013.7	21.02	
7/02/2020 18:00	145	0.5	2	19.9	88.2	1013.7	21.04	
7/02/2020 18:30	130	0.2	1.6	20	84.8	1013.9	21.04	
7/02/2020 19:00	156	1.2	2.9	20.1	85.4	1014	21.04	
7/02/2020 19:30	129	0.3	2.8	20.3	87.1	1014.1	21.1	
7/02/2020 20:00	138	0.3	1.6	20.1	84.9	1014.3	21.1	
7/02/2020 20:30	144	1.4	2.8	20	84	1014.5	21.1	
7/02/2020 21:00	149	0.8	1.5	20	85.1	1014.6	21.1	
7/02/2020 21:30	155	0.2	1.3	20.2	86.8	1014.4	21.12	
7/02/2020 22:00	143	0.3	1.5	20.1	88.8	1014.1	21.12	
7/02/2020 22:30	131	0.2	1.5	20.3	88.9	1013.9	21.12	
7/02/2020 23:00	136	0.3	1.5	20.2	89.1	1013.8	21.12	
7/02/2020 23:30	137	0.3	1.1	20.2	89.9	1013.6	21.12	
8/02/2020 0:00	108	0.1	1.5	20	89.1	1013.4	21.12	
8/02/2020 0:30	106	0.2	1.8	19.9	90.5	1013.2	21.12	
8/02/2020 1:00	112	0.1	1.8	19.7	90.8	1012.9	21.23	
8/02/2020 1:30	152	0.2	1.3	19.4	90.5	1012.7	21.24	
8/02/2020 2:00	142	0.1	1.8	19.1	90.9	1012.4	21.35	
8/02/2020 2:30	132	1	2	19.6	91.2	1012.1	21.35	
8/02/2020 3:00	155	0.4	1.1	19.5	91.2	1011.8	21.35	
8/02/2020 3:30	150	1.6	2.4	19.8	91.5	1011.8	21.35	
8/02/2020 4:00	167	0.4	2	19.7	91.3	1012	21.35	
8/02/2020 4:30	200	0.5	1.6	19.7	91.8	1011.9	21.54	
8/02/2020 5:00	171	0.5	1	19.6	91.9	1012.1	21.54	
8/02/2020 5:30	171	1	1.6	19.7	91.9	1012.4	21.57	
8/02/2020 6:00	195	0.5	1.5	20	92.1	1012.6	21.57	
8/02/2020 6:30	170	0.4	1.3	20.2	92	1012.8	21.57	
8/02/2020 7:00	173	0.3	0.8	20.8	92.2	1012.8	21.57	
8/02/2020 7:30	152	0.6	1.8	20.9	91.7	1013	21.62	
8/02/2020 8:00	129	1	2.3	20.8	90.3	1013.2	21.8	
8/02/2020 8:30	162	0.1	1.5	20.6	91.6	1013.3	24.88	
8/02/2020 9:00	152	0.5	1.9	20.6	91.3	1013.3	24.98	24.98
8/02/2020 9:30	146	1.1	2.3	21.2	91.3	1013	0	
8/02/2020 10:00	131	0.6	2.1	21.4	90.3	1013	0.03	
8/02/2020 10:30	139	0.4	3.1	22.2	85.6	1013	0.03	

8/02/2020 11:00	143	0.4	3.1	22.9	79.1	1013	0.03	
8/02/2020 11:30	123	0.7	2.2	20.8	89.3	1013	2.02	
8/02/2020 12:00	110	0.1	0.5	21.4	88.7	1012.9	2.04	
8/02/2020 12:30	112	0.2	2.4	21.8	80.3	1012.7	2.04	
8/02/2020 13:00	102	0.6	3.6	20.7	87.6	1012.6	2.1	
8/02/2020 13:30	124	0.6	3	20.5	89.7	1012.3	3.03	
8/02/2020 14:00	136	0	0.9	20.6	90.3	1011.8	3.9	
8/02/2020 14:30	125	0.5	2.3	20.5	89.4	1011.7	8.53	
8/02/2020 15:00	133	0.1	1.2	20.4	91.6	1011.5	15.7	
8/02/2020 15:30	110	0.7	3.4	20.2	89	1011.5	17.62	
8/02/2020 16:00	149	0.1	1.8	20.5	91.4	1011.3	18.74	
8/02/2020 16:30	128	0.1	1.6	20.3	88.8	1011.2	19.13	
8/02/2020 17:00	126	0.3	1.8	20.5	90.3	1011.3	19.4	
8/02/2020 17:30	129	0.4	3.7	19.9	91	1011.6	25.12	
8/02/2020 18:00	100	0.1	1.4	20	90.1	1012.1	25.4	
8/02/2020 18:30	139	0.5	2	20.3	87.4	1012	25.4	
8/02/2020 19:00	165	0.1	1	20.8	87.7	1012.2	25.92	
8/02/2020 19:30	137	0.3	1.4	20.9	85.4	1012.3	25.92	
8/02/2020 20:00	143	0.3	2.8	21.1	85.9	1012.3	25.92	
8/02/2020 20:30	137	0.5	1.3	20.2	89.2	1012.3	26.87	
8/02/2020 21:00	168	1	1.8	21	88.7	1012.3	26.87	
8/02/2020 21:30	138	0.3	2.3	21	86.2	1012.2	26.88	
8/02/2020 22:00	122	0.2	1.6	21.4	85.6	1011.9	26.95	
8/02/2020 22:30	138	1.2	2.6	20.9	87.8	1011.7	27.65	
8/02/2020 23:00	130	0.2	1.3	20.9	89.4	1011.6	27.9	
8/02/2020 23:30	122	0.3	2.3	21	89.7	1011.4	29.09	
9/02/2020 0:00	139	0.2	2	21.1	88.2	1010.9	29.1	
9/02/2020 0:30	144	0.2	2.8	21.1	88.9	1010.6	29.37	
9/02/2020 1:00	129	0.3	2.3	21.2	88.4	1010.3	29.59	
9/02/2020 1:30	131	0.1	1.7	21.2	87.9	1010.2	29.73	
9/02/2020 2:00	138	0.1	1.4	21	87.6	1009.7	29.84	
9/02/2020 2:30	135	1	3	21.1	86.6	1009.5	30.04	
9/02/2020 3:00	130	0.3	1.9	20.6	85.5	1009.5	31.41	
9/02/2020 3:30	144	0.6	2.5	20.2	88.5	1009.2	32.31	
9/02/2020 4:00	120	0.3	2.2	20.4	89.2	1008.8	33.03	
9/02/2020 4:30	129	0.1	2.1	20.5	89.2	1008.8	33.38	
9/02/2020 5:00	134	0.4	1.9	20.4	88.7	1008.8	33.65	
9/02/2020 5:30	128	0.8	2.8	20.1	87.6	1008.9	34.85	
9/02/2020 6:00	139	1.6	4.6	20.4	89.5	1008.9	35.43	
9/02/2020 6:30	137	0.5	3.2	20.2	90.3	1008.7	37.43	
9/02/2020 7:00	138	0.4	4.9	20.2	90.7	1008.5	39.78	
9/02/2020 7:30	136	0.9	4	20.1	91	1008.1	42.58	
9/02/2020 8:00	142	0.4	3.4	20.1	92.3	1008.3	50.83	
9/02/2020 8:30	137	0.7	3.5	19.6	91.8	1008	56.13	
9/02/2020 9:00	146	1.9	4.9	20	92.2	1007.4	60.17	60.17
9/02/2020 9:30	143	1	3.7	20	92.5	1006.9	4.91	
9/02/2020 10:00	137	1.3	4.5	20.2	92.5	1006.6	8.71	
9/02/2020 10:30	123	0.7	4.9	20.2	92.1	1006.6	11.8	
9/02/2020 11:00	138	1	4.2	20.1	91.9	1006	15.01	
9/02/2020 11:30	137	0.4	3.6	20.2	91.6	1005.8	17.38	
9/02/2020 12:00	130	0.6	4.5	20.1	92.1	1005.3	22.19	
9/02/2020 12:30	144	2.1	5.7	20.1	92.5	1004.8	27.8	
9/02/2020 13:00	134	0.4	4.6	20.1	92.7	1004.5	33.4	
9/02/2020 13:30	132	1	3.4	20.1	93	1003.7	38.84	
9/02/2020 14:00	136	1.1	4.4	20.1	93.1	1002.9	46.31	
9/02/2020 14:30	128	0.5	3.9	20.4	93.6	1002.6	54.48	
9/02/2020 15:00	103	0.7	3.9	20.4	93.8	1001.6	69.37	
9/02/2020 15:30	121	0.3	2.2	20.6	93.4	1000.8	71.95	
9/02/2020 16:00	91	0.5	4.1	21.3	94	1001.4	73.98	
9/02/2020 16:30	76	1.4	2.8	21.2	93.6	1002	74.42	
9/02/2020 17:00	76	0.7	2.6	21.1	93.3	1002.4	75.17	
9/02/2020 17:30	127	0.3	2	20.7	93.2	1002.6	75.33	
9/02/2020 18:00	118	0.5	1.9	20.9	93.8	1002.8	77.14	
9/02/2020 18:30	97	0.2	2	20.8	93.8	1002.9	78.92	
9/02/2020 19:00	119	0.2	1.6	21.1	94.2	1003.1	78.96	
9/02/2020 19:30	104	0.2	1.9	21.2	94.2	1003.2	80.72	
9/02/2020 20:00	54	0.4	2.8	21.2	94	1003.4	82.15	
9/02/2020 20:30	76	0.4	3	21.4	94.2	1003.7	88.63	
9/02/2020 21:00	79	0.1	2.4	21.4	94.1	1003.6	93.71	
9/02/2020 21:30	91	0.1	3.3	21.4	93.9	1003.3	94.27	
9/02/2020 22:00	82	1.7	3.7	21.4	93.7	1003.5	94.42	
9/02/2020 22:30	77	0.6	2.8	21.3	93.7	1003.6	94.46	
9/02/2020 23:00	84	0.6	3	21.1	93.4	1003.6	94.46	
9/02/2020 23:30	86	0.8	2.7	20.7	93.4	1003.8	95	
10/02/2020 0:00	86	0.2	1.9	20.5	93.5	1003.5	95.79	
10/02/2020 0:30	137	0	0.9	20.5	93.9	1003.1	97.1	
10/02/2020 1:00	118	0.3	1.8	20.5	94	1002.7	97.28	
10/02/2020 1:30	103	0.3	1.3	20.8	94	1002.1	97.29	
10/02/2020 2:00	134	0.1	0.9	20.9	94.1	1001.7	97.29	
10/02/2020 2:30	129	0.1	0.6	20.7	94.1	1001.2	97.29	
10/02/2020 3:00	228	0	0.2	21	94.2	1000.9	97.29	
10/02/2020 3:30	183	0	0.2	21	94.2	1001.1	97.29	
10/02/2020 4:00	110	0.1	0.3	21	94.4	1001.4	97.29	
10/02/2020 4:30	149	0.2	0.5	21	94.4	1001.8	97.29	
10/02/2020 5:00	114	0	0.3	21.2	94.4	1002.2	97.29	
10/02/2020 5:30	120	0.1	0.7	20.9	94.4	1002.7	97.29	
10/02/2020 6:00	178	0	0.2	21.2	94.4	1002.9	97.29	
10/02/2020 6:30	76	0.3	1	21.2	94.4	1003.3	97.29	
10/02/2020 7:00	298	0	0.3	21.4	94.4	1003.9	97.29	
10/02/2020 7:30	238	0	0.3	21.7	94.2	1004.1	97.29	
10/02/2020 8:00	270	0	0.1	21.7	93.8	1004.3	97.29	
10/02/2020 8:30	90	0.9	1.5	21.9	89.5	1004.3	97.29	
10/02/2020 9:00	72	0.2	1.3	23.4	79.9	1004	97.29	97.29
10/02/2020 9:30	47	0.1	0.8	24.1	77.8	1003.9	0	
10/02/2020 10:00	122	0	0.5	24.1	74.4	1003.9	0	



10/02/2020 10:30	3	0.1	0.8	24.5	72.1	1003.8	0
10/02/2020 11:00	79	0	0.5	25.5	70.1	1003.6	0
10/02/2020 11:30	315	0	0.7	25.2	73.3	1003.7	0
10/02/2020 12:00	55	0	0.3	26.7	65.7	1003.3	0
10/02/2020 12:30	328	0	0.4	26.5	67.8	1003.1	0
10/02/2020 13:00	241	0	0.3	27	67.1	1002.9	0
10/02/2020 13:30	11	0.3	1.4	28.1	59.9	1002.6	0
10/02/2020 14:00	5	0.4	1.4	28.1	59.3	1002.1	0
10/02/2020 14:30	270	0.1	0.5	28.7	55.7	1001.4	0
10/02/2020 15:00	64	0.2	1.5	29.4	53.6	1001	0
10/02/2020 15:30	123	0.1	0.9	29.9	52.4	1000.7	0
10/02/2020 16:00	105	0.1	1.8	29.3	57.8	1001	0
10/02/2020 16:30	102	0.1	2.3	27.7	65.9	1001.2	0
10/02/2020 17:00	91	0.2	2.1	26.8	64.6	1001.1	0
10/02/2020 17:30	100	0.4	2.1	25.7	66.1	1001.3	0
10/02/2020 18:00	96	0.4	1.8	25	72	1001.3	0
10/02/2020 18:30	67	0.1	0.7	24.7	73.4	1002	0
10/02/2020 19:00	128	0	0.3	24.4	75	1002.6	0
10/02/2020 19:30	70	0.1	0.4	23.8	80.2	1002.9	0
10/02/2020 20:00	141	0	0.8	23.8	79.8	1003	0
10/02/2020 20:30	119	0.1	1.1	23.5	82.8	1003.4	0
10/02/2020 21:00	97	0.1	0.7	23.3	84.2	1003.7	0
10/02/2020 21:30	105	0	0.4	23.2	84.6	1004.1	0
10/02/2020 22:00	84	0.4	1.1	23	84.6	1003.9	0
10/02/2020 22:30	80	0.2	0.9	22.8	85.8	1004	0
10/02/2020 23:00	319	0	0.1	22.7	85.1	1003.7	0
10/02/2020 23:30	62	0.1	0.8	22.7	80.4	1003.6	0
11/02/2020 0:00	181	0	0.2	22.3	83	1003.3	0
11/02/2020 0:30	0	0	0.2	22.2	84.2	1002.9	0
11/02/2020 1:00	134	0	0.3	22.1	85.9	1002.8	0
11/02/2020 1:30	117	0.2	0.7	21.9	86.7	1002.4	0
11/02/2020 2:00	130	0.5	1.1	22	85.1	1002.3	0
11/02/2020 2:30	146	0.1	0.8	21.8	85.7	1002	0
11/02/2020 3:00	166	0	0.3	21.8	84.4	1002	0
11/02/2020 3:30	164	0.1	0.2	20.8	87.7	1001.9	0
11/02/2020 4:00	17	0	0.2	20.7	89.4	1002.1	0
11/02/2020 4:30	138	0.2	0.5	20.7	88.3	1002.2	0
11/02/2020 5:00	260	0	0.2	20.7	90.2	1002.7	0
11/02/2020 5:30	191	0.2	1.1	20.7	89.6	1002.7	0
11/02/2020 6:00	197	0.1	0.4	20.8	88.3	1003	0
11/02/2020 6:30	335	0	0.5	20.8	90	1003.4	0
11/02/2020 7:00	340	0.3	0.7	21.6	87.3	1003.5	0
11/02/2020 7:30	213	0	0.4	22.7	81.9	1003.5	0
11/02/2020 8:00	311	0.1	0.4	23.2	78.2	1003.8	0
11/02/2020 8:30	17	0	0.5	24.5	71.8	1003.5	0
11/02/2020 9:00	221	0	0.4	25.3	69.3	1003.6	0
11/02/2020 9:30	313	0.1	0.7	26.1	66.9	1003.5	0
11/02/2020 10:00	348	0.1	0.8	27.2	62	1003.5	0
11/02/2020 10:30	237	0.1	0.8	27.2	62.9	1003.5	0
11/02/2020 11:00	351	0.1	1.2	27.3	63	1003.3	0
11/02/2020 11:30	351	0.1	1.3	27.9	61.4	1002.9	0
11/02/2020 12:00	26	0.1	0.7	28.2	55.6	1002.2	0
11/02/2020 12:30	41	1.1	2.3	29.2	50.6	1001.9	0
11/02/2020 13:00	313	0.1	0.6	29.7	50	1001.8	0
11/02/2020 13:30	3	0.1	1.3	30.7	45.8	1001.3	0
11/02/2020 14:00	267	0.2	0.7	31.9	41.8	1000.9	0
11/02/2020 14:30	74	0.2	1.3	32.2	43.3	1000.5	0
11/02/2020 15:00	111	0.4	2.1	29.9	53.2	1000.2	0
11/02/2020 15:30	89	0.2	1.2	29.8	54.8	1000.1	0
11/02/2020 16:00	107	0.4	2.2	30.8	47.5	1000.1	0
11/02/2020 16:30	78	1	3.3	29	50.3	1000.2	0
11/02/2020 17:00	82	0.6	2.3	28.9	50	1000.4	0
11/02/2020 17:30	103	0.2	1.5	28.1	55.2	1000.9	0
11/02/2020 18:00	67	0.1	1.5	27.2	60.6	1001.5	0
11/02/2020 18:30	72	0.4	1.8	26.6	65.3	1001.9	0
11/02/2020 19:00	66	0.4	1.8	25.8	71.7	1002.2	0
11/02/2020 19:30	56	0.8	1.9	25.3	73.8	1002.8	0
11/02/2020 20:00	24	0.5	1.7	25.1	71.6	1003.6	0
11/02/2020 20:30	53	0.2	2.1	24.7	73.1	1003.8	0
11/02/2020 21:00	67	0.1	1	24.5	75.5	1004.1	0
11/02/2020 21:30	63	0.1	0.8	24.1	76.7	1004.1	0
11/02/2020 22:00	333	0	0.4	24.2	78.3	1004.1	0
11/02/2020 22:30	78	0	0.6	24.6	77.4	1004	0
11/02/2020 23:00	160	0	0.3	24.3	79.6	1003.6	0
11/02/2020 23:30	69	0.5	1.1	24.2	78.8	1003.2	0
12/02/2020 0:00	57	0.1	1	24	79.7	1002.7	0
12/02/2020 0:30	166	0	0.1	23.6	82.3	1002.6	0
12/02/2020 1:00	204	0.4	0.5	23.6	82.4	1002.2	0
12/02/2020 1:30	85	0	0.5	23.6	82.4	1002.1	0
12/02/2020 2:00	139	0.4	0.9	23.8	80.5	1002.1	0
12/02/2020 2:30	179	0.1	0.4	23.8	81.1	1002.1	0
12/02/2020 3:00	144	0.8	1.2	23.6	83.5	1002	0
12/02/2020 3:30	142	0.2	1	23.6	84.6	1002.2	0
12/02/2020 4:00	188	0.1	0.5	22.9	86.7	1002.5	0
12/02/2020 4:30	142	0.1	0.8	23	88.8	1002.6	0
12/02/2020 5:00	150	1.1	2.2	22.9	87.5	1002.9	0
12/02/2020 5:30	147	1	1.8	22.9	87.2	1003.1	0
12/02/2020 6:00	184	0.1	1.2	22.8	87.7	1003.3	0
12/02/2020 6:30	182	0.9	1.7	23	87.1	1003.4	0
12/02/2020 7:00	160	1	1.9	23.2	85.3	1004.1	0
12/02/2020 7:30	121	0.3	1.4	24.5	81.3	1004	0
12/02/2020 8:00	167	0.1	1	25.5	75.3	1004	0
12/02/2020 8:30	148	0.5	1.3	26.2	70.7	1004.1	0
12/02/2020 9:00	140	0.4	1.5	26	71.3	1004.4	0
12/02/2020 9:30	119	0.3	1.8	26.8	66.6	1004.4	0

12/02/2020 10:00	118	0.5	2.4	26.6	67	1004.7	0	
12/02/2020 10:30	153	0.5	2.3	26.9	68	1004.6	0	
12/02/2020 11:00	103	0.2	1.6	27.6	65.1	1004.4	0.03	
12/02/2020 11:30	118	0.7	1.9	27.7	63	1004.1	0.03	
12/02/2020 12:00	122	0.2	1.8	27.6	65	1003.9	0.03	
12/02/2020 12:30	118	0.4	2.2	28.3	60.5	1003.8	0.03	
12/02/2020 13:00	127	0.5	1.9	27.5	65.1	1003.7	0.03	
12/02/2020 13:30	102	0.8	2.4	27	67.8	1003.6	0.03	
12/02/2020 14:00	97	0.3	2.7	27.1	68.5	1003.6	0.03	
12/02/2020 14:30	144	1.2	3.3	26.4	71.7	1003.6	0.03	
12/02/2020 15:00	116	0.3	2.1	26.2	70.3	1003.5	0.03	
12/02/2020 15:30	101	0.3	2	26.4	68.7	1003.5	0.03	
12/02/2020 16:00	70	0.5	2.2	25.3	78.2	1003.4	0.04	
12/02/2020 16:30	114	0.1	1	25	78.8	1003.4	0.04	
12/02/2020 17:00	105	0.5	1.7	24.2	83.1	1003.5	0.27	
12/02/2020 17:30	133	0.2	1.8	23.4	87.6	1004	1.04	
12/02/2020 18:00	129	0.4	1.4	22.9	88.7	1004.2	1.84	
12/02/2020 18:30	141	0.3	2	23	88.1	1004.7	1.84	
12/02/2020 19:00	145	1.3	2.3	23	88.3	1005.2	1.92	
12/02/2020 19:30	146	1.3	2.1	22.9	89	1005.5	1.92	
12/02/2020 20:00	149	1.3	2.1	22.7	87.4	1005.7	1.92	
12/02/2020 20:30	146	0.7	1.5	22.3	88.7	1006	1.92	
12/02/2020 21:00	147	0.9	1.6	22.3	89.3	1006.2	1.92	
12/02/2020 21:30	168	0.4	1	22.2	89.4	1006.1	1.92	
12/02/2020 22:00	181	0.3	1.6	22.6	89.5	1005.8	1.92	
12/02/2020 22:30	124	0	1.2	22.6	87.9	1005.7	1.92	
12/02/2020 23:00	146	0.7	1.5	22.4	87.5	1005.6	1.92	
12/02/2020 23:30	139	0.3	1.1	22.4	89.1	1005.5	1.92	
13/02/2020 0:00	134	0.1	0.9	22	90.8	1005.5	1.94	
13/02/2020 0:30	147	0.6	1.3	21.8	92	1005.2	1.94	
13/02/2020 1:00	150	0.3	1	21.7	92.3	1005.2	1.98	
13/02/2020 1:30	136	0.1	1	21.7	92.6	1004.8	1.98	
13/02/2020 2:00	117	0	0.7	21.6	92.7	1004.6	1.98	
13/02/2020 2:30	130	0.1	0.6	21.9	92.7	1004.6	2.03	
13/02/2020 3:00	146	0.5	0.8	21.9	92.8	1004.6	2.05	
13/02/2020 3:30	131	0.1	0.9	22	92.5	1004.5	2.05	
13/02/2020 4:00	152	0.7	1.4	21.6	92.6	1004.6	2.05	
13/02/2020 4:30	161	0	0.3	21.7	92.3	1004.7	2.05	
13/02/2020 5:00	124	0	0.7	21.8	92.3	1005	2.05	
13/02/2020 5:30	160	0.4	0.7	22.1	91.7	1005.1	2.05	
13/02/2020 6:00	182	0.7	1.1	22.1	91.8	1005.3	2.05	
13/02/2020 6:30	191	0.3	0.5	22.4	92	1005.6	2.05	
13/02/2020 7:00	200	0.4	1.4	22.8	90.7	1005.9	2.05	
13/02/2020 7:30	156	0.6	1.3	23.7	87.8	1005.9	2.05	
13/02/2020 8:00	137	0.2	1	23.7	89.2	1006.1	2.05	
13/02/2020 8:30	64	0.5	1.6	24.5	84.8	1006.1	2.05	
13/02/2020 9:00	47	0	0.9	24.5	85.6	1006.1	2.09	2.09
13/02/2020 9:30	96	0.1	0.9	24.5	88.2	1006	1.18	
13/02/2020 10:00	82	0.1	1.2	25.4	81.8	1006	1.46	
13/02/2020 10:30	83	0.1	1.2	25.4	84.5	1006	1.57	
13/02/2020 11:00	77	0.4	3	27.5	67.3	1005.7	1.57	
13/02/2020 11:30	142	0.2	2.4	27.5	73.3	1005.7	1.58	
13/02/2020 12:00	121	0.2	2.5	26.7	72.8	1005.6	1.61	
13/02/2020 12:30	88	0.6	2.6	26.4	75.1	1005.3	1.61	
13/02/2020 13:00	116	0.1	2.3	26.5	72.7	1005.3	1.61	
13/02/2020 13:30	104	0.2	2	26.1	77.8	1005	1.61	
13/02/2020 14:00	105	0.4	2.1	23.6	87.5	1005	1.75	
13/02/2020 14:30	75	0.6	2	23.3	88.5	1004.9	1.79	
13/02/2020 15:00	105	0.2	1.9	23.7	87	1004.7	2.11	
13/02/2020 15:30	78	0.4	1.6	23.5	86.6	1004.9	2.11	
13/02/2020 16:00	34	0	0.6	24.5	79.6	1004.8	2.11	
13/02/2020 16:30	73	0.4	1.6	24.8	78.2	1004.9	2.11	
13/02/2020 17:00	145	0.1	1.4	25.1	76.1	1004.9	2.11	
13/02/2020 17:30	92	0.4	1.8	24.7	76.9	1005.1	2.11	
13/02/2020 18:00	89	0.4	1.1	24.5	78.9	1005.3	2.11	
13/02/2020 18:30	103	0.6	1.6	24.4	74	1005.6	2.11	
13/02/2020 19:00	118	0.4	1.4	24	73.9	1006	2.11	
13/02/2020 19:30	133	0.1	0.9	23.9	73.9	1006.3	2.11	
13/02/2020 20:00	120	0	0.6	23.7	75.5	1006.6	2.11	
13/02/2020 20:30	137	0.5	1	23.4	80.1	1006.8	2.11	
13/02/2020 21:00	147	0.2	1.2	23.4	79.8	1006.9	2.11	
13/02/2020 21:30	132	1.1	1.7	23.1	82.1	1006.8	2.11	
13/02/2020 22:00	145	0.4	1.1	22.8	83.6	1006.6	2.11	
13/02/2020 22:30	148	0.5	1.1	22.7	85.1	1006.3	2.11	
13/02/2020 23:00	187	0.2	1	22.4	85.6	1006.1	2.11	
13/02/2020 23:30	176	0.3	1.1	22	87.2	1006	2.11	
14/02/2020 0:00	151	0.3	1	21.8	86.7	1005.8	2.11	
14/02/2020 0:30	172	0.8	2.1	21.8	86.9	1005.4	2.11	
14/02/2020 1:00	184	0.7	2	21.7	87.5	1005.3	2.11	
14/02/2020 1:30	184	1	1.7	21.6	87.9	1004.9	2.11	
14/02/2020 2:00	182	0.2	1.1	21.4	88	1004.6	2.11	
14/02/2020 2:30	168	0.2	1.2	21.9	87.5	1004.4	2.11	
14/02/2020 3:00	197	0.2	1.1	21.6	86.5	1004.4	2.11	
14/02/2020 3:30	156	0.4	1.4	22	85	1004.3	2.11	
14/02/2020 4:00	140	0.7	1.3	22	83.3	1004.4	2.11	
14/02/2020 4:30	185	0.5	0.9	21.3	85.1	1004.4	2.11	
14/02/2020 5:00	145	0.4	1.2	20.9	87.1	1004.5	2.11	
14/02/2020 5:30	185	0.3	1.2	20.7	88.1	1004.5	2.11	
14/02/2020 6:00	166	0.2	1.2	20.7	87.4	1004.5	2.11	
14/02/2020 6:30	175	0.6	1.6	21.5	85.1	1004.5	2.11	
14/02/2020 7:00	161	0.2	1.3	21.8	82.1	1004.5	2.11	
14/02/2020 7:30	166	0.6	1.3	23.6	74.7	1004.7	2.11	
14/02/2020 8:00	131	0.5	1.7	23.4	68.5	1004.8	2.11	
14/02/2020 8:30	156	1.2	2.3	24.5	62.5	1004.8	2.11	
14/02/2020 9:00	135	0.4	1.6	25.7	58.1	1004.5	2.11	2.11

14/02/2020 9:30	162	1.3	2.7	26.1	50	1004.4	0	
14/02/2020 10:00	128	0.1	1.4	25.4	56	1004.1	0	
14/02/2020 10:30	100	0.5	2	26.7	49.5	1003.9	0	
14/02/2020 11:00	126	0.1	1.5	26.7	46.8	1003.4	0	
14/02/2020 11:30	155	0.9	2.3	27.3	45.1	1003.1	0	
14/02/2020 12:00	137	0.2	1.9	28.2	40.7	1002.7	0	
14/02/2020 12:30	184	0.6	2.6	28.1	39.8	1002.4	0	
14/02/2020 13:00	143	0.1	2.6	27.6	42.5	1002	0	
14/02/2020 13:30	148	1.9	3.6	28.3	41.8	1001.3	0	
14/02/2020 14:00	155	0.4	1.7	29.5	42.6	1000.9	0	
14/02/2020 14:30	148	0.9	2.5	28.6	44.4	1000.6	0	
14/02/2020 15:00	136	0.2	1.5	28.5	43.9	1000.4	0	
14/02/2020 15:30	140	0.7	2.5	27.4	47.4	1000.1	0	
14/02/2020 16:00	138	0.3	2.6	27.6	45.3	999.9	0	
14/02/2020 16:30	135	1.1	2.9	27	46.4	999.8	0	
14/02/2020 17:00	126	0.7	3.1	26.4	49.6	999.9	0	
14/02/2020 17:30	145	0.6	2	25.6	51.7	1000	0	
14/02/2020 18:00	135	0.9	2.1	24.4	54.8	1000.2	0	
14/02/2020 18:30	121	0.5	1.9	23.5	57.5	1000.3	0	
14/02/2020 19:00	146	1.4	2.7	22.7	64.5	1000.5	0	
14/02/2020 19:30	134	0.7	2.4	22.1	69	1000.8	0	
14/02/2020 20:00	144	0.8	1.9	21.7	71.8	1001	0	
14/02/2020 20:30	172	0.4	0.7	21.4	74.6	1001.1	0	
14/02/2020 21:00	188	0.1	0.5	21.2	76.9	1001.3	0	
14/02/2020 21:30	186	0.7	1.3	20.7	78.8	1001.2	0	
14/02/2020 22:00	246	0.1	0.3	20.5	78.9	1001.1	0	
14/02/2020 22:30	229	0	0.2	19.8	82.9	1000.8	0	
14/02/2020 23:00	227	0	0.2	19.3	84.8	1000.8	0	
14/02/2020 23:30	178	0	0.1	19	86.2	1000.6	0	
15/02/2020 0:00	218	0	0.1	18.8	87.3	1000.7	0	
15/02/2020 0:30	197	0	0.2	18.9	85.8	1000.3	0	
15/02/2020 1:00	122	0	0.2	18.7	88.5	1000	0	
15/02/2020 1:30	123	0.2	0.3	18.5	87.6	999.6	0	
15/02/2020 2:00	196	0	0.1	18	88.5	999.6	0	
15/02/2020 2:30	114	0.1	0.2	18.1	90.7	999.2	0	
15/02/2020 3:00	201	0	0.1	17.8	89.2	999.2	0	
15/02/2020 3:30	182	0	0.1	17.5	89.8	999.1	0	
15/02/2020 4:00	3	0.2	0.5	17.7	90.9	999	0	
15/02/2020 4:30	115	0	0.2	17.8	90.4	999.1	0	
15/02/2020 5:00	237	0	0.3	17.7	89.9	999.6	0	
15/02/2020 5:30	238	0	0.3	17.5	90.6	999.6	0	
15/02/2020 6:00	160	0	0.2	17.8	90	999.8	0	
15/02/2020 6:30	112	0.1	0.5	19.7	83.5	999.9	0	
15/02/2020 7:00	161	0.3	0.9	20.5	81.4	1000	0	
15/02/2020 7:30	227	0	0.2	21.6	74.7	1000.2	0	
15/02/2020 8:00	19	0.1	0.8	22.6	71	1000.5	0	
15/02/2020 8:30	7	0	0.7	22.8	67.9	1000.6	0	
15/02/2020 9:00	158	0.2	1	25.4	58.7	1000.8	0	0
15/02/2020 9:30	66	0.1	0.7	25.1	57.5	1001	0	
15/02/2020 10:00	152	0.5	1.4	25.3	55.6	1000.9	0	
15/02/2020 10:30	226	0.1	1	26.3	52.9	1000.9	0	
15/02/2020 11:00	62	0.1	0.4	26.6	55.9	1000.7	0	
15/02/2020 11:30	6	0.1	0.5	27.5	52.1	1000.6	0	
15/02/2020 12:00	144	0.4	1.4	27.8	49.8	1000.5	0	
15/02/2020 12:30	89	0.2	1	28.1	52	1000.2	0	
15/02/2020 13:00	125	0.2	1.1	30.1	46.7	1000.3	0	
15/02/2020 13:30	148	0.1	1.1	28.5	50	1000.5	0	
15/02/2020 14:00	82	0.4	2.1	28.9	50	1000.4	0	
15/02/2020 14:30	103	0.3	1.4	28.3	52.1	1000.1	0	
15/02/2020 15:00	92	0.1	1.4	28.8	48.8	1000	0	
15/02/2020 15:30	136	0.7	2.2	28	52.5	999.8	0	
15/02/2020 16:00	112	0.3	1.9	28	53.4	1000.1	0	
15/02/2020 16:30	104	0.2	1.6	28.3	51.6	1000.5	0	
15/02/2020 17:00	132	0.4	2	27.5	54.7	1000.7	0	
15/02/2020 17:30	138	1.5	2.6	26.1	59.1	1001.2	0	
15/02/2020 18:00	125	0.4	1.7	25.1	64.1	1001.9	0	
15/02/2020 18:30	127	1.7	3.1	20.7	89.6	1002.9	10.32	
15/02/2020 19:00	310	0.1	0.9	20.7	91	1003	11.49	
15/02/2020 19:30	225	0	0.1	20.7	91.4	1004.4	11.49	
15/02/2020 20:00	144	0	0.2	21	92.2	1004.7	11.49	
15/02/2020 20:30	244	0	0.2	21	91.9	1005	11.49	
15/02/2020 21:00	146	0	0.2	21.3	91.6	1005.4	11.49	
15/02/2020 21:30	7	0	0.2	21.3	91.3	1005.5	11.49	
15/02/2020 22:00	173	0.1	0.5	21.4	90.5	1005.5	11.49	
15/02/2020 22:30	258	0	0.1	21.3	89.8	1005.6	11.49	
15/02/2020 23:00	350	0	0.3	21.5	87.6	1005.6	11.49	
15/02/2020 23:30	115	0	0.2	21.6	87.2	1005.8	11.49	
16/02/2020 0:00	298	0.1	0.3	21.6	86.7	1006	11.74	
16/02/2020 0:30	150	0.1	0.5	21.6	87.5	1006.4	11.74	
16/02/2020 1:00	163	1.1	2.5	21.6	85.5	1006.3	11.74	
16/02/2020 1:30	177	0.3	0.7	21.4	82.8	1005.7	11.74	
16/02/2020 2:00	150	0	0.1	21	86	1005.8	11.74	
16/02/2020 2:30	232	0	0.1	20.8	88.1	1005.3	11.74	
16/02/2020 3:00	172	0	0.2	20.4	88.9	1005.8	11.74	
16/02/2020 3:30	170	0.6	1.4	20.6	87.6	1006	11.74	
16/02/2020 4:00	174	0.4	1.5	20.8	84	1006.1	11.74	
16/02/2020 4:30	160	0	0.6	20.8	82.6	1006.5	11.74	
16/02/2020 5:00	131	0.1	0.5	20.8	81.5	1006.7	11.74	
16/02/2020 5:30	169	0.7	1.3	20.7	78.8	1007	11.74	
16/02/2020 6:00	173	0.2	0.9	20.2	80.2	1007.5	11.74	
16/02/2020 6:30	192	0.1	0.5	21.1	77.9	1007.9	11.74	
16/02/2020 7:00	150	0.5	1.1	22.5	71.4	1008.3	11.74	
16/02/2020 7:30	112	0.1	0.9	23.3	64	1008.7	11.74	
16/02/2020 8:00	140	0.9	2	23.8	59.9	1009	11.74	
16/02/2020 8:30	131	0.1	1.3	24.8	56.1	1009	11.74	



16/02/2020 9:00	196	0.6	1.5	25.4	55	1009	11.74	11.74
16/02/2020 9:30	88	0.2	0.9	25.6	54.2	1009.1	0	
16/02/2020 10:00	94	0.4	1.4	26.3	49.7	1009	0	
16/02/2020 10:30	141	0.1	2	26.3	49.4	1008.9	0	
16/02/2020 11:00	155	0.3	1.7	27.2	47.9	1008.7	0	
16/02/2020 11:30	62	0.1	0.8	27.3	47.9	1008.6	0	
16/02/2020 12:00	165	0.2	1.5	27.5	45.8	1008.3	0	
16/02/2020 12:30	80	0	0.3	27	49.7	1008.3	0	
16/02/2020 13:00	116	0.5	1.5	26.3	53.3	1008.2	0	
16/02/2020 13:30	127	0.1	2	26	53.7	1008.2	0.02	
16/02/2020 14:00	149	1	2	25.5	55.2	1008.3	0.02	
16/02/2020 14:30	155	1.1	2.5	25.5	55	1008.1	0.02	
16/02/2020 15:00	119	0.1	1.2	25.8	53.5	1008	0.02	
16/02/2020 15:30	147	0.5	2.7	25.6	60.1	1008	0.02	
16/02/2020 16:00	145	0.2	2.1	25	61.1	1008.2	0.02	
16/02/2020 16:30	121	0.1	1.7	24.7	63.1	1008.5	0.02	
16/02/2020 17:00	133	0.3	1.8	24.4	64.7	1008.8	0.02	
16/02/2020 17:30	135	0.7	2.3	23.7	69.6	1009.1	0.02	
16/02/2020 18:00	150	1.2	2.6	23.1	74.1	1009.2	0.02	
16/02/2020 18:30	144	0.1	0.8	22.8	76.3	1009.4	0.02	
16/02/2020 19:00	137	0.7	1.4	22.2	76.2	1009.7	0.02	
16/02/2020 19:30	158	0.7	1.5	21.9	78.2	1009.9	0.02	
16/02/2020 20:00	158	0.1	1.1	21.5	80.9	1010.1	0.02	
16/02/2020 20:30	172	0.5	0.9	21.5	82	1010.1	0.02	
16/02/2020 21:00	158	0.6	1.3	21.7	81.8	1009.9	0.02	
16/02/2020 21:30	152	0.4	1.2	21.6	84.1	1010	0.02	
16/02/2020 22:00	199	0.3	0.5	21	87.9	1010.2	0.02	
16/02/2020 22:30	155	0.1	0.6	21.1	87.7	1010.2	0.02	
16/02/2020 23:00	193	0.5	0.9	20.9	88.4	1010.2	0.02	
16/02/2020 23:30	98	0	0.2	20.8	89.3	1010.1	0.02	
17/02/2020 0:00	149	0	0.2	20.8	89.7	1009.9	0.02	
17/02/2020 0:30	202	0	0.2	20.8	89.3	1009.6	0.02	
17/02/2020 1:00	157	0	0.5	20.9	87.6	1009.3	0.02	
17/02/2020 1:30	259	0	0.3	21.1	87.5	1009.1	0.02	
17/02/2020 2:00	156	0.4	0.7	20.8	90.9	1008.8	0.02	
17/02/2020 2:30	306	0	0.3	20.6	90.9	1008.7	0.02	
17/02/2020 3:00	151	0	0.2	20.3	91.1	1008.6	0.02	
17/02/2020 3:30	148	0	0.3	20.3	92	1008.6	0.03	
17/02/2020 4:00	118	0	0.2	20.3	91.2	1008.6	0.03	
17/02/2020 4:30	306	0	0.3	20.2	90.1	1008.5	0.03	
17/02/2020 5:00	324	0	0.3	20.5	90.2	1008.7	0.03	
17/02/2020 5:30	193	0	0.2	20.5	90.1	1008.8	0.03	
17/02/2020 6:00	157	0	0.4	20.8	90.6	1008.9	0.03	
17/02/2020 6:30	139	0	0.4	20.8	89	1009.2	0.03	
17/02/2020 7:00	174	0.7	1.1	21.2	86	1009.4	0.03	
17/02/2020 7:30	180	0.8	1.9	21.5	84	1009.4	0.03	
17/02/2020 8:00	28	0	0.4	22.6	78.4	1009.2	0.03	
17/02/2020 8:30	120	0	0.5	24.3	71.1	1008.7	0.03	
17/02/2020 9:00	292	0	0.4	24.5	68.1	1008.7	0.03	0.03
17/02/2020 9:30	321	0.1	0.6	25.1	67.9	1009	0	
17/02/2020 10:00	336	0.2	1	24.5	69.8	1008.9	0	
17/02/2020 10:30	351	0	0.4	23.9	71.3	1009	0	
17/02/2020 11:00	265	0	0.4	23.9	71.8	1008.9	0	
17/02/2020 11:30	125	0	0.3	24.5	70.4	1008.7	0	
17/02/2020 12:00	5	0.2	2.2	23.7	75.6	1008.4	0.02	
17/02/2020 12:30	53	0.1	1.8	23.1	82.8	1008	2.08	
17/02/2020 13:00	78	0.1	1	24.2	75.7	1007.8	2.08	
17/02/2020 13:30	23	0.1	0.9	24.1	74.1	1007.5	2.08	
17/02/2020 14:00	58	0	0.4	24.2	73.5	1007.1	2.08	
17/02/2020 14:30	49	0	0.6	26.2	67.2	1006.8	2.08	
17/02/2020 15:00	75	0.2	0.9	25.3	69.9	1006.3	2.08	
17/02/2020 15:30	67	0.2	1.5	25	71.6	1005.9	2.08	
17/02/2020 16:00	76	0.8	1.8	24.4	75.4	1005.7	2.08	
17/02/2020 16:30	87	0.3	1.3	24.3	75.4	1005.4	2.08	
17/02/2020 17:00	88	0.2	1.6	24.1	74.6	1005.3	2.08	
17/02/2020 17:30	88	0.1	1.3	23.9	75.7	1005.3	2.08	
17/02/2020 18:00	63	0.5	1.7	23.8	77.9	1006	2.08	
17/02/2020 18:30	92	0.1	1	23.6	77.2	1006.1	2.08	
17/02/2020 19:00	75	0	0.4	23.1	78	1006.4	2.08	
17/02/2020 19:30	222	0.1	0.3	23.3	79.2	1006.2	2.08	
17/02/2020 20:00	214	0	0.1	22.8	82.3	1006.2	2.08	
17/02/2020 20:30	206	0	0.1	22.2	84.9	1006	2.08	
17/02/2020 21:00	192	0	0.1	21.6	87.4	1006.6	2.08	
17/02/2020 21:30	126	0	0.3	21.6	87.4	1006.5	2.08	
17/02/2020 22:00	165	0	0.2	22.2	86.5	1006.4	2.08	
17/02/2020 22:30	175	0	0.2	21.8	87.4	1006.2	2.08	
17/02/2020 23:00	168	0.1	0.2	21.3	89	1006	2.08	
17/02/2020 23:30	160	0	0.1	21.4	89.3	1005.8	2.08	
18/02/2020 0:00	214	0.1	0.3	21.4	89.5	1005.6	2.08	
18/02/2020 0:30	215	0	0.1	21.7	89.6	1005.3	2.08	
18/02/2020 1:00	120	0	0.2	21.6	89.3	1005.1	2.08	
18/02/2020 1:30	134	0	0.1	21.6	89.4	1005	2.08	
18/02/2020 2:00	350	0.1	0.4	21.6	89	1004.8	2.08	
18/02/2020 2:30	283	0	0.3	21.8	88.5	1004.4	2.08	
18/02/2020 3:00	291	0	0.2	21.7	88.8	1004.1	2.08	
18/02/2020 3:30	182	0	0.1	21.3	89.6	1004	2.08	
18/02/2020 4:00	217	0	0.2	21.2	91.4	1004	2.08	
18/02/2020 4:30	0	0.1	0.5	20.9	91.6	1004.1	2.08	
18/02/2020 5:00	241	0	0.2	21.2	90.9	1004.2	2.08	
18/02/2020 5:30	317	0.1	0.4	21.3	90.4	1004.6	2.08	
18/02/2020 6:00	159	0	0.2	21.2	89	1004.5	2.08	
18/02/2020 6:30	5	0.1	1.2	21.7	87.6	1004.5	2.08	
18/02/2020 7:00	299	0	0.4	22.1	85.1	1004.3	2.08	
18/02/2020 7:30	25	0.1	1.2	22.2	84.4	1004.3	2.08	
18/02/2020 8:00	5	0.3	1.3	22.3	83.7	1004.4	2.08	

18/02/2020 8:30	341	0	0.5	22.7	82.5	1004.4	2.08	
18/02/2020 9:00	128	0	0.4	23.7	74.8	1004	2.08	2.08
18/02/2020 9:30	58	0	0.5	25.3	70.2	1003.9	0	
18/02/2020 10:00	65	0.1	0.8	26.4	66.2	1003.6	0	
18/02/2020 10:30	21	0.1	0.4	27.4	62	1003.2	0	
18/02/2020 11:00	358	0.1	1.5	28.5	58	1002.6	0	
18/02/2020 11:30	60	0.3	1.9	30.2	52.7	1001.9	0	
18/02/2020 12:00	64	1.2	2.2	30.8	48.8	1001.4	0	
18/02/2020 12:30	344	0.3	1.1	31.4	48.4	1000.7	0	
18/02/2020 13:00	212	0.1	0.9	32.8	44.8	1000.1	0	
18/02/2020 13:30	320	0.2	0.8	32.8	42.7	999.5	0	
18/02/2020 14:00	25	0.1	1.3	34.1	40.7	999	0	
18/02/2020 14:30	51	0.3	1.6	33.8	42.4	998.3	0	
18/02/2020 15:00	41	0.1	1.4	33.7	42.1	997.8	0	
18/02/2020 15:30	333	0.2	0.9	33.7	45.3	997.4	0	
18/02/2020 16:00	67	0.3	2.4	32	50.7	997.2	0	
18/02/2020 16:30	69	1	2.7	31	53.9	996.9	0	
18/02/2020 17:00	67	0.9	3	31.6	52.4	996.4	0	
18/02/2020 17:30	52	0.1	1.4	31.2	54.3	996	0	
18/02/2020 18:00	55	0.5	2.2	30.9	55.2	995.7	0	
18/02/2020 18:30	37	0.3	1.7	30.3	56.8	995.5	0	
18/02/2020 19:00	57	0.5	2.2	29.6	57.5	995.4	0	
18/02/2020 19:30	77	0.1	0.9	28.9	60	995.8	0	
18/02/2020 20:00	312	0.1	0.5	28.4	62.4	996.6	0	
18/02/2020 20:30	357	0.1	0.7	28.8	62	996.5	0	
18/02/2020 21:00	269	0	0.2	28.9	62.3	996.5	0.03	
18/02/2020 21:30	285	0.6	3	25.7	73.1	999.3	0.89	
18/02/2020 22:00	84	0.4	2.3	20.2	84.8	995.7	10.19	
18/02/2020 22:30	42	0	0.5	20.2	83.5	996.2	10.37	
18/02/2020 23:00	322	0.1	0.6	19.9	88.9	996.9	10.37	
18/02/2020 23:30	239	0.1	0.4	20.6	89.5	996.4	10.37	
19/02/2020 0:00	3	0.2	1.5	20.5	87	996	10.37	
19/02/2020 0:30	23	0.2	1.3	20.4	87.1	996	10.37	
19/02/2020 1:00	15	0.2	1.6	20.7	87.6	996.3	10.37	
19/02/2020 1:30	356	0	0.7	20.9	86.1	996.4	10.37	
19/02/2020 2:00	340	0.1	0.6	20.9	86.2	996.4	10.37	
19/02/2020 2:30	16	0.3	1	20.8	87.1	996.5	10.37	
19/02/2020 3:00	272	0	0.3	20.9	85.6	996.3	10.37	
19/02/2020 3:30	175	0.1	0.6	20.8	85.5	996.3	10.37	
19/02/2020 4:00	195	0.6	0.9	20.5	86.6	996.6	10.37	
19/02/2020 4:30	215	0	0.3	19.9	88.4	996.9	10.37	
19/02/2020 5:00	214	0.1	0.4	19.5	88.5	997.2	10.37	
19/02/2020 5:30	233	0	0.1	18.9	85.6	997.7	10.37	
19/02/2020 6:00	208	0	0.2	18.3	83	997.8	10.37	
19/02/2020 6:30	345	0	0.2	20.3	63.4	997.9	10.37	
19/02/2020 7:00	289	0	0.5	22.1	57.3	997.6	10.37	
19/02/2020 7:30	325	0.1	0.4	23.4	51.7	997.5	10.37	
19/02/2020 8:00	308	0.1	0.8	23.5	44.3	997.7	10.37	
19/02/2020 8:30	293	0.1	1.4	24.6	42.7	997.8	10.37	
19/02/2020 9:00	334	0.2	1.1	24.6	41.4	997.9	10.37	10.37
19/02/2020 9:30	309	0.1	1.1	25.7	40.4	998.1	0	
19/02/2020 10:00	142	0.1	0.9	26.3	38.3	998.3	0	
19/02/2020 10:30	301	0.1	0.9	26.3	38.2	998	0	
19/02/2020 11:00	262	0.3	1.4	26.9	36.6	998	0	
19/02/2020 11:30	218	0.3	1.1	27.4	34.9	997.9	0	
19/02/2020 12:00	258	0.2	1.3	28.5	31.1	998	0	
19/02/2020 12:30	305	0.2	1.5	28.6	31.8	998	0	
19/02/2020 13:00	235	0.1	1.5	29.4	29.7	997.7	0	
19/02/2020 13:30	310	0.2	1.3	29	30.6	997.5	0	
19/02/2020 14:00	230	0.1	1.4	29.5	30.9	997.3	0	
19/02/2020 14:30	283	0.1	1	29.7	28.4	997.2	0	
19/02/2020 15:00	121	0.1	0.7	28.5	28.2	997.1	0	
19/02/2020 15:30	179	0.1	1	29.6	33	997.1	0	
19/02/2020 16:00	187	0.2	1.2	29.6	27	997.4	0	
19/02/2020 16:30	187	0.5	3.3	28.9	29.2	997.7	0	
19/02/2020 17:00	184	0.2	1.7	27.9	30.8	998	0	
19/02/2020 17:30	158	0	0.6	27.5	31.7	998.5	0	
19/02/2020 18:00	201	0.1	1	26.2	33.1	998.8	0	
19/02/2020 18:30	9	0.2	0.7	25.2	36	999.4	0	
19/02/2020 19:00	327	0.1	0.6	24.3	37.7	1000.1	0	
19/02/2020 19:30	5	0	0.5	23.3	41.4	1000.8	0	
19/02/2020 20:00	233	0	0.4	23.3	39.8	1001.1	0	
19/02/2020 20:30	233	0	0.4	22.8	40.4	1001.5	0	
19/02/2020 21:00	149	0	0.3	21.5	47.8	1001.8	0	
19/02/2020 21:30	154	0	0.1	20.3	59.9	1001.9	0	
19/02/2020 22:00	257	0	0.2	19.4	54.7	1002.1	0	
19/02/2020 22:30	307	0	0.2	19	64.1	1002.1	0	
19/02/2020 23:00	131	0	0.2	18.8	70.5	1002.1	0	
19/02/2020 23:30	146	0.2	1.1	18.8	64.2	1002.3	0	
20/02/2020 0:00	172	0.1	0.4	19.1	73.4	1002.2	0	
20/02/2020 0:30	153	0.1	0.2	18.4	73.9	1002	0	
20/02/2020 1:00	226	0	0.3	18.1	77.8	1002	0	
20/02/2020 1:30	155	0	0.1	17.6	80.5	1001.8	0	
20/02/2020 2:00	241	0	0.2	17.6	82.3	1001.7	0	
20/02/2020 2:30	174	0	0.2	17.4	82	1001.5	0	
20/02/2020 3:00	116	0	0.2	17.3	84.3	1001.6	0	
20/02/2020 3:30	81	0	0.2	16.9	85.1	1001.7	0	
20/02/2020 4:00	212	0	0.1	16.6	87.8	1002.1	0	
20/02/2020 4:30	192	0	0.2	16.4	87.3	1002.6	0	
20/02/2020 5:00	198	0	0.2	16.1	88.5	1002.8	0	
20/02/2020 5:30	266	0	0.2	16	90	1003.1	0	
20/02/2020 6:00	262	0	0.2	16.3	90.2	1003.6	0	
20/02/2020 6:30	287	0	0.3	17.6	85.1	1004.3	0	
20/02/2020 7:00	179	0.5	1.7	19.6	61	1004.7	0	
20/02/2020 7:30	181	0.5	1.7	20.1	58.7	1004.8	0	

20/02/2020 8:00	145	0.7	2	21	57.1	1005	0	
20/02/2020 8:30	118	0.7	2.5	22.4	55.3	1005.4	0	
20/02/2020 9:00	186	1.6	3	22.3	54.6	1005.6	0	0
20/02/2020 9:30	129	0	0.4	22.7	52.3	1005.7	0	
20/02/2020 10:00	209	0.1	0.4	23	50.6	1005.8	0	
20/02/2020 10:30	279	0	0.4	23.2	51.1	1005.7	0	
20/02/2020 11:00	170	0.3	1.6	24.6	46.7	1005.6	0	
20/02/2020 11:30	140	0.2	1.5	24.9	44.5	1005.3	0	
20/02/2020 12:00	120	0	0.6	24.7	42.3	1005.2	0	
20/02/2020 12:30	163	0.4	2.1	24.7	43.8	1005	0	
20/02/2020 13:00	148	1.6	2.6	25.4	41.8	1005.1	0	
20/02/2020 13:30	130	0.1	1.4	25.1	41.8	1004.8	0	
20/02/2020 14:00	113	0.4	2.8	24.7	43.5	1004.8	0	
20/02/2020 14:30	106	0	2.2	25.8	41.6	1004.7	0	
20/02/2020 15:00	111	0.2	2.3	25.4	42	1004.8	0	
20/02/2020 15:30	99	0.1	1.3	25.1	44.7	1005	0	
20/02/2020 16:00	133	0.3	2.4	24.3	47	1005.3	0	
20/02/2020 16:30	137	0.2	2.4	23.6	48.2	1005.4	0	
20/02/2020 17:00	137	0.4	2.1	23.1	49.1	1005.6	0	
20/02/2020 17:30	127	0.7	2.4	21.9	52.9	1006.2	0	
20/02/2020 18:00	123	0.2	2.6	21.4	56.1	1006.5	0	
20/02/2020 18:30	127	0.1	1	21.1	60.3	1006.9	0	
20/02/2020 19:00	120	0.6	1.7	21	61.2	1007.5	0	
20/02/2020 19:30	131	0.2	1.1	20.8	60.7	1008.2	0	
20/02/2020 20:00	136	0.3	1.9	20.8	60.2	1008.5	0	
20/02/2020 20:30	139	0.1	0.9	20.8	59.2	1008.9	0	
20/02/2020 21:00	118	0.3	1.9	20.8	58.1	1009.1	0	
20/02/2020 21:30	145	1.1	2.1	20.8	59.2	1009.4	0	
20/02/2020 22:00	122	0.1	1.2	20.8	59.9	1009.4	0	
20/02/2020 22:30	101	0.1	0.7	21	58.7	1009.3	0	
20/02/2020 23:00	81	0.1	0.5	20.7	60	1009.3	0	
20/02/2020 23:30	124	0	0.4	20.9	61.9	1009.4	0	
21/02/2020 0:00	223	0.1	0.4	20.7	63.7	1009.4	0	
21/02/2020 0:30	251	0	0.2	20.3	67	1009.2	0	
21/02/2020 1:00	240	0	0.2	20.2	63.9	1009.3	0	
21/02/2020 1:30	179	0	0.1	20.2	63.9	1008.9	0	
21/02/2020 2:00	255	0	0.1	20.2	66.2	1008.6	0	
21/02/2020 2:30	157	0	0.2	20.3	66.8	1008.6	0	
21/02/2020 3:00	214	0	0.1	20.3	66.3	1008.5	0	
21/02/2020 3:30	176	0.1	0.7	19.8	67.8	1008.3	0	
21/02/2020 4:00	238	0	0.2	19.3	71	1008.4	0	
21/02/2020 4:30	163	0.2	0.6	19.6	68.9	1008.8	0	
21/02/2020 5:00	154	0.3	0.8	19.9	70.8	1009.3	0	
21/02/2020 5:30	128	0	0.4	19.8	70.2	1009.5	0	
21/02/2020 6:00	168	0	0.5	19.5	72.1	1010.1	0	
21/02/2020 6:30	175	0.7	1.2	19.6	68.5	1010.1	0	
21/02/2020 7:00	151	0	0.3	21.2	65.5	1010.6	0	
21/02/2020 7:30	146	0.6	1.1	21.5	64.6	1010.8	0	
21/02/2020 8:00	83	0.2	0.9	22.1	63.1	1010.8	0	
21/02/2020 8:30	51	0.5	1.1	21.8	64	1010.8	0	
21/02/2020 9:00	117	0	0.5	22.6	61.1	1011	0	0
21/02/2020 9:30	46	0	0.5	22.6	57.5	1011.1	0	
21/02/2020 10:00	256	0	0.7	23.1	54.6	1011.1	0	
21/02/2020 10:30	357	0.1	0.6	23.4	54.4	1010.9	0	
21/02/2020 11:00	171	0	0.4	24.5	50.2	1010.9	0	
21/02/2020 11:30	75	0	0.6	24.5	50.8	1010.9	0	
21/02/2020 12:00	327	0.2	1	24.3	50.7	1010.6	0	
21/02/2020 12:30	124	0.5	1.9	25.5	52.5	1010.6	0	
21/02/2020 13:00	60	0.4	2.9	26	50.2	1010.3	0	
21/02/2020 13:30	97	1	2	25.1	52.7	1010.3	0	
21/02/2020 14:00	69	0.6	3.7	26.4	48.4	1010.1	0	
21/02/2020 14:30	133	0.7	2.5	26	49.4	1010	0	
21/02/2020 15:00	135	0.4	2	26.1	49.1	1009.8	0	
21/02/2020 15:30	146	0.3	2.4	25	52.1	1009.8	0	
21/02/2020 16:00	86	0.7	2.5	25	52.7	1010.1	0	
21/02/2020 16:30	120	0.3	2.5	24.5	55.3	1010.3	0	
21/02/2020 17:00	125	0.7	2.4	23.7	57.8	1010.8	0	
21/02/2020 17:30	110	0.8	2.7	23.3	59.2	1011.1	0	
21/02/2020 18:00	126	0.2	2.2	22.7	61.9	1011.8	0	
21/02/2020 18:30	138	0.2	1.7	22.2	63.7	1012.2	0	
21/02/2020 19:00	144	1.4	2.9	21.7	70.2	1012.8	0	
21/02/2020 19:30	133	0.2	1.6	21.5	71.4	1013.2	0	
21/02/2020 20:00	137	0.1	2	21.1	71.5	1013.7	0	
21/02/2020 20:30	120	1	2	21.1	71.7	1014.2	0	
21/02/2020 21:00	135	0.7	2.2	21.1	70.9	1014.5	0	
21/02/2020 21:30	142	0.1	0.9	21.2	71	1014.9	0	
21/02/2020 22:00	140	0.4	1.8	21.2	69.7	1014.9	0	
21/02/2020 22:30	150	0.4	2.2	21.1	69.9	1015	0	
21/02/2020 23:00	143	1	2.7	21	70.4	1015.2	0	
21/02/2020 23:30	146	0.8	1.9	20.9	71.5	1015.3	0	
22/02/2020 0:00	171	0.4	2.8	20.1	75.9	1015.4	0	
22/02/2020 0:30	170	0.7	1.3	19.7	77.4	1015.6	0	
22/02/2020 1:00	171	0.1	1.2	19.6	77.2	1015.7	0	
22/02/2020 1:30	189	0.8	1.9	19.3	78.5	1015.7	0	
22/02/2020 2:00	161	0.7	2.1	19	78.6	1015.5	0	
22/02/2020 2:30	160	0.9	3	18.7	80.5	1015.6	0	
22/02/2020 3:00	157	0.2	1.8	18.6	80.6	1015.6	0	
22/02/2020 3:30	154	0.2	1	18.6	80.9	1015.9	0	
22/02/2020 4:00	184	0.2	0.9	18.6	80.3	1016	0	
22/02/2020 4:30	152	0.2	1.5	18.6	78.8	1016.2	0	
22/02/2020 5:00	185	0.8	1.4	18.6	77.9	1016.4	0	
22/02/2020 5:30	175	1.3	2.6	18.5	78.3	1016.5	0.03	
22/02/2020 6:00	182	1	1.9	18.5	76.6	1016.9	0.03	
22/02/2020 6:30	218	0.1	0.7	18.9	75.2	1017.5	0.03	
22/02/2020 7:00	182	0	0.5	18.8	79.1	1017.9	0.03	



22/02/2020 7:30	53	0.1	0.6	19.8	73	1018.2	0.03	
22/02/2020 8:00	135	0.2	0.7	20.5	67.3	1018.4	0.03	
22/02/2020 8:30	124	0.1	0.8	20.7	64.2	1018.5	0.06	
22/02/2020 9:00	167	1	2.1	21.6	63.6	1018.7	0.06	0.06
22/02/2020 9:30	55	0	0.4	21.5	65.6	1018.9	0	
22/02/2020 10:00	85	0.1	0.7	20.2	80.1	1019.3	0	
22/02/2020 10:30	343	0	0.6	20	80.5	1019.3	0	
22/02/2020 11:00	233	0	0.5	20.8	71.2	1019.2	0	
22/02/2020 11:30	23	0.1	0.9	21.6	70.2	1019.1	0	
22/02/2020 12:00	166	0.1	1.2	23.9	55.9	1018.5	0	
22/02/2020 12:30	42	0.1	1.5	22.6	58.7	1018.3	0	
22/02/2020 13:00	79	0.3	1.5	22.5	60	1018.1	0.02	
22/02/2020 13:30	253	0.1	0.3	22.1	63.6	1017.9	0.02	
22/02/2020 14:00	334	0.1	0.7	21	75.7	1017.6	0.02	
22/02/2020 14:30	87	0.1	0.9	21	78.3	1017.6	0.02	
22/02/2020 15:00	204	0	0.3	20.9	78.9	1017.4	0.02	
22/02/2020 15:30	170	0	0.2	21.7	72.6	1017.1	0.02	
22/02/2020 16:00	153	0.3	0.7	22.4	70.7	1017.1	0.02	
22/02/2020 16:30	59	0.2	1.6	21.2	74.8	1017.4	0.02	
22/02/2020 17:00	135	0.2	1	21.2	75.8	1017.4	0.02	
22/02/2020 17:30	15	0.1	0.8	21.3	74	1017.5	0.05	
22/02/2020 18:00	167	0.2	0.4	20.6	81.5	1017.3	0.05	
22/02/2020 18:30	106	0.1	1	21.2	74.3	1017.4	0.05	
22/02/2020 19:00	124	0.4	1	20.7	77.8	1017.8	0.05	
22/02/2020 19:30	109	0.1	1.4	20.6	77.4	1018	0.05	
22/02/2020 20:00	156	0.2	0.8	20.6	78	1018.5	0.05	
22/02/2020 20:30	150	0.4	0.7	20.5	79.6	1018.8	0.05	
22/02/2020 21:00	176	0	0.1	20.6	81.6	1019.2	0.05	
22/02/2020 21:30	303	0	0.2	20.6	80.6	1018.9	0.05	
22/02/2020 22:00	187	0.4	0.7	20.5	81	1018.5	0.05	
22/02/2020 22:30	214	0.1	0.3	20.5	81.7	1018.6	0.05	
22/02/2020 23:00	227	0	0.2	20.4	82.1	1018.9	0.05	
22/02/2020 23:30	223	0	0.2	20.3	83.9	1018.8	0.05	
23/02/2020 0:00	220	0.1	0.4	20.2	83.9	1018.7	0.05	
23/02/2020 0:30	220	0.1	0.3	20.3	83.8	1018.5	0.05	
23/02/2020 1:00	243	0.1	0.2	20.3	83.7	1018.3	0.05	
23/02/2020 1:30	203	0.3	0.4	20.1	83.6	1018.2	0.05	
23/02/2020 2:00	165	0.2	0.7	20.1	82.8	1018.1	0.05	
23/02/2020 2:30	138	0.4	0.8	20.1	84.3	1018.1	0.05	
23/02/2020 3:00	149	0.7	1.2	20.1	84.6	1018	0.05	
23/02/2020 3:30	166	0.5	1.1	20.1	83.7	1017.8	0.05	
23/02/2020 4:00	131	0	0.1	20	85	1017.9	0.05	
23/02/2020 4:30	340	0.3	0.9	20	80.6	1017.9	0.05	
23/02/2020 5:00	111	0	0.1	19.8	81.4	1018.2	0.05	
23/02/2020 5:30	215	0.2	0.4	20	79.8	1018.4	0.05	
23/02/2020 6:00	184	0	0.2	19.6	83.9	1018.7	0.05	
23/02/2020 6:30	158	0	0.2	20	82.8	1018.8	0.05	
23/02/2020 7:00	7	0	0.2	20.3	82.5	1018.9	0.05	
23/02/2020 7:30	13	0	0.4	20.5	80.3	1019	0.05	
23/02/2020 8:00	32	0	0.5	21.1	78.3	1019.1	0.05	
23/02/2020 8:30	219	0	0.3	21.9	68.4	1019.2	0.05	
23/02/2020 9:00	31	0	0.3	22.4	67	1019.3	0.05	0.05
23/02/2020 9:30	331	0.1	0.9	22.8	67.8	1019.4	0	
23/02/2020 10:00	135	0	0.4	22.9	66.4	1019.2	0	
23/02/2020 10:30	36	0.1	1	24.2	58.2	1019	0	
23/02/2020 11:00	87	0.2	1.7	24.4	58.4	1018.8	0	
23/02/2020 11:30	1	0.1	0.6	24.4	63.1	1018.8	0	
23/02/2020 12:00	44	0.1	1	23.7	61.9	1018.4	0	
23/02/2020 12:30	82	0.1	0.6	23.8	62.6	1018.2	0	
23/02/2020 13:00	121	0.1	0.8	22.7	68.4	1018	0.85	
23/02/2020 13:30	57	0.3	1.3	22.9	64.9	1017.8	0.85	
23/02/2020 14:00	52	0.2	1.2	23.5	62.2	1017.4	0.85	
23/02/2020 14:30	66	0.3	2.5	24.6	56.4	1017.1	0.85	
23/02/2020 15:00	38	0.1	0.9	24.7	54.7	1016.8	0.85	
23/02/2020 15:30	72	0	0.9	24.5	57.1	1016.4	0.85	
23/02/2020 16:00	50	0.2	1.9	24.6	54.8	1016.2	0.85	
23/02/2020 16:30	68	0.1	1.4	24.4	53	1016.2	0.85	
23/02/2020 17:00	67	0	1.5	24.2	55	1016.1	0.85	
23/02/2020 17:30	64	0.2	1.2	23.9	56	1016	0.85	
23/02/2020 18:00	72	0.6	1.4	23.6	55.9	1015.8	0.85	
23/02/2020 18:30	88	0.5	1.3	23.2	58.7	1016	0.85	
23/02/2020 19:00	61	0.5	2.3	22.7	60.9	1016.4	0.85	
23/02/2020 19:30	71	0.3	1.7	22.3	64.8	1016.6	0.85	
23/02/2020 20:00	59	0.1	1.7	21.7	69.1	1016.9	0.85	
23/02/2020 20:30	75	0.3	0.8	21.7	72.7	1017.1	0.85	
23/02/2020 21:00	76	0.2	0.8	21.7	73	1017.2	0.85	
23/02/2020 21:30	60	0.4	1.2	21.6	73.8	1017.1	0.85	
23/02/2020 22:00	73	0.2	1	21.5	75.9	1016.9	0.85	
23/02/2020 22:30	137	0	0.3	21	80	1016.9	0.85	
23/02/2020 23:00	204	0.1	0.2	20.6	80.6	1016.9	0.85	
23/02/2020 23:30	206	0	0.3	20.3	82.6	1016.7	0.85	
24/02/2020 0:00	145	0	0.1	19.9	84.1	1016.6	0.85	
24/02/2020 0:30	205	0	0.2	19.6	85.6	1016.3	0.85	
24/02/2020 1:00	176	0	0.2	19.5	86.6	1015.8	0.85	
24/02/2020 1:30	141	0	0.1	19.5	85.6	1015.7	0.85	
24/02/2020 2:00	266	0.1	0.2	19.4	86	1015.5	0.85	
24/02/2020 2:30	174	0	0.3	19.5	87.8	1015.3	0.85	
24/02/2020 3:00	228	0	0.2	19.5	84.6	1015.3	0.86	
24/02/2020 3:30	183	0	0.2	19.2	86.3	1015.2	0.86	
24/02/2020 4:00	182	0	0.1	18.9	86.8	1015.1	0.86	
24/02/2020 4:30	325	0.1	0.2	18.7	87.3	1015.2	0.86	
24/02/2020 5:00	296	0	0.2	18.7	87.7	1015.3	0.86	
24/02/2020 5:30	177	0.2	0.4	19	86.4	1015.7	0.86	
24/02/2020 6:00	162	0.2	0.4	18.6	86.7	1015.8	0.86	
24/02/2020 6:30	146	0	0.2	19.2	87.4	1015.9	0.86	

24/02/2020 7:00	69	0.4	0.7	20.8	79.5	1016	0.86	
24/02/2020 7:30	9	0	0.2	22.1	71.8	1015.9	0.86	
24/02/2020 8:00	356	0	0.3	22.9	68.3	1015.9	0.86	
24/02/2020 8:30	215	0	0.4	22.9	67.4	1015.8	0.86	
24/02/2020 9:00	233	0.1	0.5	24.2	61	1015.8	0.86	0.86
24/02/2020 9:30	336	0.1	0.9	25.3	61.6	1015.6	0	
24/02/2020 10:00	306	0	1.1	25	59.3	1015.7	0	
24/02/2020 10:30	310	0.1	0.9	25.4	57.7	1015.6	0	
24/02/2020 11:00	45	0.4	1.9	26.7	52.5	1015.1	0	
24/02/2020 11:30	329	0.2	1.4	26.4	51.9	1014.8	0	
24/02/2020 12:00	110	0.1	1.1	27.2	48.3	1014.4	0	
24/02/2020 12:30	47	0.3	2.4	27.5	48.3	1014	0	
24/02/2020 13:00	64	0.6	3.2	28	46	1013.8	0	
24/02/2020 13:30	113	0.2	1.5	28.5	45.6	1013.1	0	
24/02/2020 14:00	50	0.1	2.9	28.3	43.7	1012.6	0	
24/02/2020 14:30	31	0.3	1.5	27.8	46.9	1012.4	0	
24/02/2020 15:00	108	0.1	1.3	29.5	44.3	1012.2	0	
24/02/2020 15:30	52	0.3	2.7	28.4	46.6	1012.2	0	
24/02/2020 16:00	32	0.3	2.4	28	47.5	1012	0	
24/02/2020 16:30	65	0.4	1.6	27.2	50.1	1011.9	0	
24/02/2020 17:00	74	0.3	2.2	27.3	51.5	1011.9	0	
24/02/2020 17:30	37	0.1	2.1	26.4	53.6	1012.1	0	
24/02/2020 18:00	16	0.2	1.9	25.6	59.7	1012.3	0	
24/02/2020 18:30	12	0.6	3	24.5	60	1012.5	0	
24/02/2020 19:00	29	0.1	1.2	24.1	61.4	1013	0	
24/02/2020 19:30	36	0.1	0.9	24.1	61.7	1013.2	0	
24/02/2020 20:00	357	0	0.8	23.8	63	1013.5	0	
24/02/2020 20:30	22	0	1.5	23.3	66.2	1013.6	0	
24/02/2020 21:00	246	0	0.2	23	69.6	1013.9	0	
24/02/2020 21:30	331	0	0.4	22.2	73.7	1013.5	0	
24/02/2020 22:00	210	0.2	0.4	21.4	77.9	1013.5	0	
24/02/2020 22:30	151	0	0.1	21.1	80.3	1013.5	0	
24/02/2020 23:00	217	0	0.1	20.6	82.5	1013.2	0	
24/02/2020 23:30	189	0.1	0.3	20.5	84.6	1013.1	0	
25/02/2020 0:00	204	0.4	0.5	20.3	83.8	1012.9	0	
25/02/2020 0:30	195	0	0.2	19.9	83.6	1012.8	0	
25/02/2020 1:00	208	0	0.1	20	84.5	1012.5	0	
25/02/2020 1:30	115	0	0.2	19.7	86.9	1012.1	0	
25/02/2020 2:00	181	0.1	0.3	19.2	87.1	1011.9	0	
25/02/2020 2:30	135	0.1	0.2	19.2	88.7	1011.8	0.02	
25/02/2020 3:00	199	0	0.2	19.3	88.1	1011.5	0.02	
25/02/2020 3:30	191	0	0.2	19.7	88	1011.5	0.02	
25/02/2020 4:00	228	0	0.2	19.8	86.4	1011.3	0.02	
25/02/2020 4:30	123	0	0.1	19.5	85.3	1011.3	0.02	
25/02/2020 5:00	161	0	0.1	19.4	87.8	1011.4	0.02	
25/02/2020 5:30	130	0	0.1	19.1	89.3	1011.6	0.02	
25/02/2020 6:00	182	0	0.1	19.1	88.6	1011.3	0.02	
25/02/2020 6:30	128	0	0.2	20.5	86.9	1011.4	0.02	
25/02/2020 7:00	146	0	0.4	22.8	76.5	1011.7	0.02	
25/02/2020 7:30	86	0	0.3	22.8	72.8	1011.6	0.02	
25/02/2020 8:00	343	0	0.5	24.1	69.8	1011.5	0.02	
25/02/2020 8:30	22	0.1	0.8	24.3	65.6	1011.5	0.02	
25/02/2020 9:00	135	0.6	1	25.4	60	1011.5	0.02	0.02
25/02/2020 9:30	341	0.1	0.9	26	57.5	1011.1	0	
25/02/2020 10:00	56	0.2	1.8	27.3	50.6	1010.6	0	
25/02/2020 10:30	3	0.2	1	27.6	46.8	1010.1	0	
25/02/2020 11:00	40	0.1	1.3	28.1	45.5	1009.8	0	
25/02/2020 11:30	333	0.1	0.7	28.2	44	1009.1	0	
25/02/2020 12:00	281	0.1	0.6	29.5	41.2	1008.7	0	
25/02/2020 12:30	84	0.1	1.6	29.9	36.8	1008.1	0	
25/02/2020 13:00	23	0.1	0.8	30.1	37.1	1007.6	0	
25/02/2020 13:30	121	0.1	0.9	30.5	33.9	1007.3	0	
25/02/2020 14:00	44	0.2	1.6	31.2	35.2	1006.8	0	
25/02/2020 14:30	140	0.1	1.1	31.9	36.9	1006.3	0	
25/02/2020 15:00	84	0.8	2.2	31.8	40.5	1005.9	0	
25/02/2020 15:30	109	0.2	1.5	30.8	44.9	1005.7	0	
25/02/2020 16:00	46	0.2	1.6	30.7	42.2	1005.4	0	
25/02/2020 16:30	80	0.2	1.9	30.6	44.1	1005.5	0	
25/02/2020 17:00	67	0.6	2.1	29.3	52	1005.5	0	
25/02/2020 17:30	62	0.1	1.7	27.8	57	1005.5	0	
25/02/2020 18:00	54	0.3	2.5	27.5	57.7	1005.6	0	
25/02/2020 18:30	68	0.1	1.8	26.9	58.5	1005.5	0	
25/02/2020 19:00	103	0	0.5	26.4	59.4	1005.5	0	
25/02/2020 19:30	338	0	0.5	25.8	61.9	1005.4	0	
25/02/2020 20:00	20	0.1	1.1	25.3	64.4	1005.6	0	
25/02/2020 20:30	345	0.1	0.6	25.2	65.4	1005.8	0	
25/02/2020 21:00	19	0.1	0.8	25.2	67.9	1005.9	0	
25/02/2020 21:30	327	0	0.3	24.8	69.7	1005.9	0	
25/02/2020 22:00	8	0.1	1.5	24.5	71	1005.5	0	
25/02/2020 22:30	28	0.1	0.4	24.4	71.7	1005.3	0	
25/02/2020 23:00	24	0.1	0.5	24.2	72.2	1005.2	0	
25/02/2020 23:30	22	0.1	0.5	24.1	72.8	1004.9	0	
26/02/2020 0:00	24	0.2	0.8	23.9	74.3	1004.7	0	
26/02/2020 0:30	343	0.1	0.5	24	74.3	1004	0	
26/02/2020 1:00	279	0	0.2	23.4	76.3	1003.5	0	
26/02/2020 1:30	256	0	0.2	23.4	76.4	1003.1	0	
26/02/2020 2:00	10	0.1	0.3	23.1	77.6	1002.7	0	
26/02/2020 2:30	337	0.1	0.4	23	78.4	1002.5	0	
26/02/2020 3:00	243	0.1	0.5	22.5	80.1	1002.2	0.04	
26/02/2020 3:30	205	0.1	0.5	22.2	80.6	1002	0.05	
26/02/2020 4:00	214	0	0.1	21.8	82.2	1002.1	0.05	
26/02/2020 4:30	37	0	0.2	21.8	83.2	1002.1	0.05	
26/02/2020 5:00	346	0	0.3	21.6	83.6	1002.1	0.05	
26/02/2020 5:30	15	0	0.4	21.6	83.9	1001.9	0.05	
26/02/2020 6:00	3	0.1	0.6	21.8	82.6	1002	0.05	

26/02/2020 6:30	296	0	0.6	22.8	76.3	1001.9	0.05	
26/02/2020 7:00	323	0.1	1	24.2	71.2	1001.8	0.05	
26/02/2020 7:30	292	0	0.8	25.7	66.4	1001.8	0.05	
26/02/2020 8:00	12	0.1	1.4	27.2	58.2	1001.4	0.05	
26/02/2020 8:30	337	0.2	1.1	28.2	54.5	1001.3	0.05	
26/02/2020 9:00	355	0.1	1.5	28.5	53.9	1001.2	0.05	0.05
26/02/2020 9:30	25	0.1	1.2	28.5	52.4	1001	0	
26/02/2020 10:00	335	0.6	2	30	47.4	1000.6	0	
26/02/2020 10:30	316	0.1	0.9	30.2	48.9	1000.2	0	
26/02/2020 11:00	303	0.1	1.1	32.4	40.4	1000	0	
26/02/2020 11:30	267	0	0.9	32.4	39.1	999.7	0	
26/02/2020 12:00	302	0.1	1.3	31.4	39.4	999.5	0	
26/02/2020 12:30	330	0	0.5	27.6	60.2	999.7	0.05	
26/02/2020 13:00	295	0	0.5	27.2	61	998.9	0.12	
26/02/2020 13:30	273	0.1	1	28.9	51.3	998.5	0.12	
26/02/2020 14:00	329	0.1	1.2	31.3	44.6	998	0.12	
26/02/2020 14:30	52	0.3	2.3	30.6	48.1	997.4	0.12	
26/02/2020 15:00	0	0.1	2.3	31.4	43.7	997	0.12	
26/02/2020 15:30	32	0.1	1	29.3	61	997.1	1.97	
26/02/2020 16:00	227	0.1	0.4	27.5	70	997.3	1.99	
26/02/2020 16:30	336	0	1.5	29.6	52.8	997.8	1.99	
26/02/2020 17:00	13	0.2	1.4	28.4	58.6	997.9	1.99	
26/02/2020 17:30	245	0.1	0.5	28.7	56.7	997.9	1.99	
26/02/2020 18:00	324	0.1	0.8	27.9	58.3	998	1.99	
26/02/2020 18:30	217	0	0.5	27.2	62.7	998.2	1.99	
26/02/2020 19:00	135	0.7	3.1	23.1	66.8	1000.5	1.99	
26/02/2020 19:30	152	1.4	3	21.4	72.6	1001.4	1.99	
26/02/2020 20:00	152	1	2.3	20.8	73.7	1002.3	1.99	
26/02/2020 20:30	147	0.4	2.3	20.6	74.4	1003	1.99	
26/02/2020 21:00	149	1.8	3.9	20.3	72.9	1003.8	1.99	
26/02/2020 21:30	136	0.1	2	20.2	70.3	1004.4	1.99	
26/02/2020 22:00	174	0	0.8	20.1	69.6	1004.8	1.99	
26/02/2020 22:30	138	0.1	1.2	20.1	69.6	1005	1.99	
26/02/2020 23:00	144	0.7	2.6	20	68.2	1005.4	1.99	
26/02/2020 23:30	153	1.2	2.5	20	67.6	1005.5	1.99	
27/02/2020 0:00	172	0.8	2.6	20	68.2	1005.8	1.99	
27/02/2020 0:30	185	0.2	1.3	19.5	70.2	1005.8	1.99	
27/02/2020 1:00	146	0.1	1.7	19.6	67.6	1005.5	1.99	
27/02/2020 1:30	146	0.8	1.8	19.8	64.8	1005.5	1.99	
27/02/2020 2:00	144	0.1	1.8	19.7	64.5	1005.2	1.99	
27/02/2020 2:30	159	0.2	0.7	19.7	65.2	1005.3	2.02	
27/02/2020 3:00	146	0.3	1.5	19.7	65	1005.3	2.02	
27/02/2020 3:30	131	0.1	1	19.8	65.2	1005.4	2.04	
27/02/2020 4:00	155	0.2	1	19.8	65	1005.4	2.04	
27/02/2020 4:30	201	0.2	0.9	19.4	68.2	1005.5	2.04	
27/02/2020 5:00	170	0.1	1.1	19.5	67.9	1005.8	2.04	
27/02/2020 5:30	176	0.3	0.9	19.2	67.9	1005.9	2.04	
27/02/2020 6:00	175	1.1	1.6	19.5	67.3	1006.3	2.04	
27/02/2020 6:30	172	0.5	1.4	19.5	67.4	1006.4	2.04	
27/02/2020 7:00	197	0.1	0.7	20	64.1	1006.4	2.04	
27/02/2020 7:30	186	0.1	1.1	20.4	62	1006.4	2.04	
27/02/2020 8:00	196	0.7	2	21	59.4	1006.4	2.04	
27/02/2020 8:30	157	0.4	1.9	22.2	53.8	1006.4	2.04	
27/02/2020 9:00	145	0	1.1	22.9	52.9	1006.1	2.04	2.04
27/02/2020 9:30	57	0.9	2.3	22.9	52.3	1006	0	
27/02/2020 10:00	343	0.1	1.3	23.2	53.2	1006	0	
27/02/2020 10:30	246	0.1	0.4	23.5	51.8	1005.7	0	
27/02/2020 11:00	177	0	0.5	23.5	51.5	1005.3	0	
27/02/2020 11:30	314	0.1	1.1	23.9	51.8	1004.7	0	
27/02/2020 12:00	26	0.1	1.2	24.4	51	1004.1	0	
27/02/2020 12:30	63	0.1	1.2	24.7	49.3	1003.6	0	
27/02/2020 13:00	46	0.1	1.8	25.6	51.2	1003	0	
27/02/2020 13:30	36	0.2	2.4	25.4	51.5	1002.5	0	
27/02/2020 14:00	51	0.3	2.1	25.2	52.8	1001.9	0	
27/02/2020 14:30	69	0.3	1.9	25.6	52	1001.3	0	
27/02/2020 15:00	59	0.1	3.1	26.3	49.7	1000.8	0	
27/02/2020 15:30	34	0.3	1.8	26.3	48.6	1000.4	0	
27/02/2020 16:00	62	0.5	2.2	25.7	53.4	1000.2	0	
27/02/2020 16:30	55	0.3	2.1	25.7	54.4	1000.2	0	
27/02/2020 17:00	77	0.6	3	25.6	56.4	1000.2	0	
27/02/2020 17:30	74	0.7	2.8	24.7	59.6	1000.3	0	
27/02/2020 18:00	66	0.6	2.9	23.9	62.9	1000.7	0	
27/02/2020 18:30	37	0.1	2.3	23.4	65.5	1001.2	0	
27/02/2020 19:00	83	0.2	2.2	22.8	68.8	1001.6	0	
27/02/2020 19:30	61	0.1	1.3	22.5	70.6	1002	0	
27/02/2020 20:00	102	0	0.5	22.4	71.5	1002.6	0	
27/02/2020 20:30	233	0	0.2	21.9	73.9	1002.8	0	
27/02/2020 21:00	276	0	0.2	21.4	76.5	1003	0	
27/02/2020 21:30	289	0	0.1	20.7	80.8	1003.1	0	
27/02/2020 22:00	217	0.1	0.5	20.3	81.2	1003	0	
27/02/2020 22:30	56	0	0.1	20.3	81.7	1002.7	0	
27/02/2020 23:00	195	0	0.2	20	82.9	1002.8	0	
27/02/2020 23:30	186	0.3	0.4	19.5	84.5	1002.8	0	
28/02/2020 0:00	124	0.2	0.3	19.2	85.7	1002.8	0	
28/02/2020 0:30	112	0	0.2	18.7	87.2	1002.7	0	
28/02/2020 1:00	195	0	0.2	18.1	87.8	1002.4	0	
28/02/2020 1:30	115	0	0.2	18.1	89.5	1002.3	0	
28/02/2020 2:00	221	0.1	0.3	17.6	89.5	1002.2	0	
28/02/2020 2:30	129	0	0.1	17.5	90.6	1001.8	0	
28/02/2020 3:00	220	0.1	0.5	17.1	90.7	1001.9	0.03	
28/02/2020 3:30	167	0.1	0.3	16.7	90.6	1002.3	0.03	
28/02/2020 4:00	190	0	0.2	16.3	90.7	1002.4	0.03	
28/02/2020 4:30	169	0	0.2	15.5	89.2	1002.6	0.03	
28/02/2020 5:00	150	0	0.2	15.4	89.1	1003	0.03	
28/02/2020 5:30	185	0	0.3	15.1	88.2	1003	0.03	



28/02/2020 6:00	140	0	0.3	14.8	90.6	1003.5	0.03	
28/02/2020 6:30	168	0.2	0.5	16	87.8	1004.2	0.03	
28/02/2020 7:00	124	0.1	0.6	18.3	61.8	1004.9	0.03	
28/02/2020 7:30	137	0.1	0.6	19.9	47.8	1005.2	0.03	
28/02/2020 8:00	182	0	1	20.2	38.8	1005.3	0.03	
28/02/2020 8:30	118	0.6	1.8	22.1	32.9	1005.4	0.03	
28/02/2020 9:00	85	0	0.8	22.6	29.4	1005.8	0.03	0.03
28/02/2020 9:30	161	1.1	2.2	24.2	27	1006.2	0	
28/02/2020 10:00	182	1.9	4	24.2	26	1006.4	0	
28/02/2020 10:30	195	0.4	2	25.6	24.3	1006.6	0	
28/02/2020 11:00	131	1.9	3.4	26	25.1	1006.6	0	
28/02/2020 11:30	173	0.2	1.7	26.3	25.6	1006.5	0	
28/02/2020 12:00	119	0.9	2.3	26.4	25.7	1006.5	0	
28/02/2020 12:30	88	0.1	1.4	27.3	27.1	1006.3	0	
28/02/2020 13:00	132	1	3.4	26.6	39.1	1006.3	0	
28/02/2020 13:30	155	0.7	2.5	26.6	38.8	1006.2	0	
28/02/2020 14:00	149	0.2	1.5	26.7	40.6	1006.1	0	
28/02/2020 14:30	98	0.6	2.8	26.6	42.8	1006.2	0	
28/02/2020 15:00	124	0.4	2.6	26.3	46.2	1006.3	0	
28/02/2020 15:30	150	0.5	2.7	24.9	49.3	1006.6	0	
28/02/2020 16:00	133	1.1	3.5	23.6	53.5	1006.9	0	
28/02/2020 16:30	120	0.2	2.4	24.2	50.6	1007.4	0	
28/02/2020 17:00	104	0.5	1.8	22.3	54.7	1007.8	0	
28/02/2020 17:30	122	0.8	2.4	22.1	56.6	1008.4	0	
28/02/2020 18:00	123	0.4	1.7	21.8	59.3	1008.8	0	
28/02/2020 18:30	131	0.2	1.6	21.3	61	1009.1	0	
28/02/2020 19:00	100	0.2	1.6	20.9	62.3	1009.7	0	
28/02/2020 19:30	116	0.3	1.6	20.4	63.5	1010.3	0	
28/02/2020 20:00	159	0.8	1.5	20.1	64.9	1010.9	0	
28/02/2020 20:30	156	0.5	1	19.8	66.4	1011.3	0	
28/02/2020 21:00	187	0.3	1.3	19.7	67	1011.6	0	
28/02/2020 21:30	184	0.1	0.7	19.6	67.1	1011.7	0	
28/02/2020 22:00	194	0	0.1	19.2	71.8	1011.8	0	
28/02/2020 22:30	145	0	0.2	19.2	74.5	1011.8	0	
28/02/2020 23:00	160	0.4	0.7	19.4	69.3	1011.8	0	
28/02/2020 23:30	173	0.6	1.2	19.7	66.5	1011.8	0	
29/02/2020 0:00	181	0.2	0.9	20	67.1	1011.8	0	
29/02/2020 0:30	136	0.3	0.8	19.8	68.4	1011.6	0	
29/02/2020 1:00	169	0.2	1.3	19.9	66.7	1011.4	0	
29/02/2020 1:30	181	0	0.3	19.7	69.5	1011.3	0	
29/02/2020 2:00	214	0	0.2	18.6	75.7	1011.3	0	
29/02/2020 2:30	130	0	0.2	18.6	76.6	1011.4	0	
29/02/2020 3:00	158	0	0.1	18.9	75	1011.3	0	
29/02/2020 3:30	151	0	0.5	19.5	72.4	1011.2	0	
29/02/2020 4:00	151	0	0.2	19.2	74.3	1011	0	
29/02/2020 4:30	213	0	0.2	18	77.3	1011	0	
29/02/2020 5:00	187	0	0.2	17.4	82.2	1011	0	
29/02/2020 5:30	184	0	0.1	17	84.6	1011.2	0	
29/02/2020 6:00	168	0	0.2	16.6	84.7	1011.4	0	
29/02/2020 6:30	178	0	0.1	17.6	83	1011.9	0	
29/02/2020 7:00	270	0.1	0.6	20.2	70.6	1012.2	0	
29/02/2020 7:30	355	0.1	0.6	21.6	64	1012.1	0	
29/02/2020 8:00	182	0.1	0.6	22.8	63.1	1012.1	0	
29/02/2020 8:30	151	0.6	1.2	22.9	57.3	1012.1	0	
29/02/2020 9:00	87	0.1	0.8	22.9	58.8	1012.2	0	0
29/02/2020 9:30	174	0	0.4	23.3	56	1011.9	0	
29/02/2020 10:00	26	0.1	1.5	24.2	54.3	1011.6	0	
29/02/2020 10:30	163	0.1	0.7	25.3	51.6	1011.4	0	
29/02/2020 11:00	216	0	0.4	25.3	48.8	1011.1	0	
29/02/2020 11:30	51	0.1	0.8	25.6	47.8	1010.6	0	
29/02/2020 12:00	3	0	1.1	25.8	46.8	1010.1	0	
29/02/2020 12:30	88	0.2	1.9	26.4	46.3	1009.8	0	
29/02/2020 13:00	14	0.4	2.3	27	45.8	1009.4	0	
29/02/2020 13:30	9	0	1.4	27.2	41.5	1009.1	0	
29/02/2020 14:00	347	0.1	1.6	27.7	43.3	1008.6	0	
29/02/2020 14:30	343	0.2	0.8	27.5	40.1	1008.1	0	
29/02/2020 15:00	333	0.1	0.5	27.5	43.3	1007.7	0	
29/02/2020 15:30	88	0.9	2.7	27.5	45.6	1007.5	0	
29/02/2020 16:00	101	0.3	3.1	26.2	53.3	1007.4	0	
29/02/2020 16:30	73	0.4	2.3	26.2	53.3	1007.5	0	
29/02/2020 17:00	74	1.3	3.3	24.9	57.9	1007.7	0	
29/02/2020 17:30	113	0.1	1.2	23.9	60.5	1007.9	0	
29/02/2020 18:00	60	0.4	1.9	23.9	61.6	1008.1	0	
29/02/2020 18:30	72	0.8	2.7	23.2	63.5	1008.3	0	
29/02/2020 19:00	63	0.8	3.3	22.8	65.4	1008.7	0	
29/02/2020 19:30	51	0.7	1.4	22.5	67	1008.9	0	
29/02/2020 20:00	47	0.1	0.9	22.3	68.8	1009.2	0	
29/02/2020 20:30	203	0	0.1	21.8	72.2	1009.3	0	
29/02/2020 21:00	220	0	0.1	21	76.8	1009.4	0	
29/02/2020 21:30	189	0.1	0.3	20.8	78.3	1009.6	0	
29/02/2020 22:00	265	0	0.2	20.7	78.9	1009.7	0	
29/02/2020 22:30	231	0	0.1	20.2	81.3	1009.4	0	
29/02/2020 23:00	136	0	0.1	19.8	84.1	1009.1	0	
29/02/2020 23:30	227	0	0.1	19.5	84	1009.2	0	
1/03/2020 0:00	117	0	0.2	19.4	86	1009.1	0	
1/03/2020 0:30	199	0	0.1	19.1	85.7	1009.1	0	
1/03/2020 1:00	211	0	0.1	18.7	85.7	1008.7	0	
1/03/2020 1:30	179	0	0.1	18.6	87.9	1008.7	0	
1/03/2020 2:00	219	0	0.1	18.5	87.8	1008.4	0	
1/03/2020 2:30	88	0	0.2	18.4	88.5	1008.1	0	
1/03/2020 3:00	166	0	0.2	18.2	88.7	1007.9	0	
1/03/2020 3:30	119	0	0.1	18.1	89.2	1007.6	0	
1/03/2020 4:00	72	0	0.1	18.4	90.6	1007.9	0	
1/03/2020 4:30	222	0	0.3	18.2	90.2	1007.8	0	
1/03/2020 5:00	207	0	0.2	18	90.8	1007.8	0	

1/03/2020 5:30	263	0.1	0.3	17.8	90.9	1008	0
1/03/2020 6:00	239	0	0.1	17.9	91	1008.3	0
1/03/2020 6:30	217	0	0.1	18.4	91.9	1008.8	0
1/03/2020 7:00	6	0	0.6	19.8	85	1009	0
1/03/2020 7:30	6	0.1	0.7	21.3	80.5	1009	0
1/03/2020 8:00	325	0.1	0.5	22.4	75.3	1009	0
1/03/2020 8:30	287	0.1	0.4	24.1	68.4	1009	0
1/03/2020 9:00	90	0	0.8	24.3	67.3	1008.7	0
1/03/2020 9:30	33	0.4	1.5	25.5	63.2	1008.4	0
1/03/2020 10:00	108	0.3	1.4	26.5	59	1008.2	0
1/03/2020 10:30	333	0.2	1.5	27.6	57	1007.6	0
1/03/2020 11:00	313	0.1	1.8	28	52.9	1007.1	0
1/03/2020 11:30	45	0.1	1.9	28.9	47.6	1006.6	0
1/03/2020 12:00	40	0.1	1.9	29.8	45.7	1006.2	0
1/03/2020 12:30	17	0.3	1.4	30	44.9	1005.5	0
1/03/2020 13:00	43	0.3	2	31.2	41.2	1005	0
1/03/2020 13:30	66	0.4	2.9	31.3	40.1	1004.5	0
1/03/2020 14:00	92	0.3	1.3	32.8	35.5	1003.9	0
1/03/2020 14:30	43	0.1	1.3	33.1	34.8	1003.3	0
1/03/2020 15:00	79	0.8	3.2	31.7	45.7	1002.8	0
1/03/2020 15:30	76	0.7	2.9	31.7	46.5	1002.3	0
1/03/2020 16:00	71	0.1	2.2	31.2	46.6	1002	0
1/03/2020 16:30	61	0.2	2.4	31.1	47.5	1001.8	0
1/03/2020 17:00	60	0.2	1.9	31.4	47.3	1001.8	0
1/03/2020 17:30	50	0.6	1.8	30.2	49.5	1001.9	0
1/03/2020 18:00	51	0.5	1.5	29.3	53	1002.1	0
1/03/2020 18:30	343	0	0.7	28.4	57.6	1002.1	0
1/03/2020 19:00	183	0	0.1	27.6	60.2	1002.4	0
1/03/2020 19:30	199	0.2	0.4	25.8	65.4	1002.8	0
1/03/2020 20:00	14	0	0.1	25.2	68.4	1003.1	0
1/03/2020 20:30	132	0	0.1	24.2	72.6	1003.2	0
1/03/2020 21:00	205	0.2	0.4	23.3	76.6	1003.5	0
1/03/2020 21:30	91	0	0.2	23.5	76.3	1003.6	0
1/03/2020 22:00	137	0	0.1	22.6	79	1003.5	0
1/03/2020 22:30	199	0	0.2	22.6	85.1	1003.3	0
1/03/2020 23:00	209	0	0.1	21.9	85.8	1003.3	0
1/03/2020 23:30	210	0	0.2	21.3	87.4	1003.3	0
2/03/2020 0:00	208	0	0.2	20.8	88.6	1003.2	0
2/03/2020 0:30	231	0	0.2	20.7	89.3	1002.9	0
2/03/2020 1:00	184	0.1	0.2	20.3	89.7	1002.5	0
2/03/2020 1:30	214	0	0.2	20	90	1002.4	0
2/03/2020 2:00	193	0	0.1	19.6	90.4	1002.3	0
2/03/2020 2:30	175	0.1	0.2	19.4	90.7	1002.2	0
2/03/2020 3:00	7	0	0.1	19.4	91.5	1002.1	0
2/03/2020 3:30	196	0.2	0.4	19.1	91.7	1002	0
2/03/2020 4:00	224	0.3	0.4	19.2	92.2	1002	0
2/03/2020 4:30	262	0	0.4	19.2	92.2	1002	0
2/03/2020 5:00	354	0	0.2	19.4	90.6	1002.5	0
2/03/2020 5:30	146	0	0.2	19.3	86.7	1002.7	0
2/03/2020 6:00	207	0	0.3	19	86.4	1003.1	0
2/03/2020 6:30	335	0.1	0.5	20.5	77.6	1003.4	0
2/03/2020 7:00	19	0.1	1.2	22.3	64.7	1003.6	0
2/03/2020 7:30	308	0.1	0.8	23.8	56.1	1003.8	0
2/03/2020 8:00	4	0.7	1.6	24.7	52.7	1003.9	0
2/03/2020 8:30	339	0.1	1.4	26.2	48.6	1003.8	0
2/03/2020 9:00	350	0.1	1.3	27.8	41.1	1003.9	0
2/03/2020 9:30	254	0.1	0.5	29	39	1003.9	0
2/03/2020 10:00	343	0	0.6	29.6	35.5	1003.9	0
2/03/2020 10:30	273	0.1	0.6	31.1	34.5	1003.7	0
2/03/2020 11:00	31	0.1	0.9	34	21.9	1003	0
2/03/2020 11:30	73	0.1	1.4	34.1	22.3	1002.6	0
2/03/2020 12:00	13	0	0.6	34.5	20.1	1002.4	0
2/03/2020 12:30	47	0	1.1	35.5	18.8	1002.2	0
2/03/2020 13:00	353	0.1	0.7	36.7	17.4	1002.1	0
2/03/2020 13:30	73	0.3	1.8	36.9	16.2	1002	0
2/03/2020 14:00	97	0.1	1.4	37	17.8	1001.8	0
2/03/2020 14:30	173	0.1	1	38.4	14	1001.8	0
2/03/2020 15:00	185	0.1	3.2	39.1	12.6	1001.8	0
2/03/2020 15:30	135	2.1	5.2	29.3	49.1	1003.5	0
2/03/2020 16:00	146	0.3	5	26.8	57.8	1004.7	0
2/03/2020 16:30	143	0.4	4.2	25	60.6	1005.2	0
2/03/2020 17:00	137	0.4	3.4	24.4	65.6	1006.3	0
2/03/2020 17:30	172	0.4	3.1	23.1	67.8	1007.2	0
2/03/2020 18:00	128	0.2	1.9	22.3	67.8	1008.3	0
2/03/2020 18:30	148	0.5	2.8	22.2	68.7	1009	0
2/03/2020 19:00	146	0.2	1.7	21.8	69.3	1009.4	0
2/03/2020 19:30	141	2.1	3.6	21.6	69.2	1010.3	0
2/03/2020 20:00	132	1.3	3.9	21.4	69	1010.9	0
2/03/2020 20:30	136	0.8	2.7	21.5	69.3	1011.4	0
2/03/2020 21:00	147	0.3	1.7	21.4	69.1	1011.6	0
2/03/2020 21:30	129	0.6	1.4	21.2	69.2	1011.7	0
2/03/2020 22:00	157	0.9	1.7	21.2	69.2	1011.6	0
2/03/2020 22:30	142	1.8	2.7	20.9	70.1	1011.4	0
2/03/2020 23:00	137	0.2	1.9	20.8	69.9	1011.6	0
2/03/2020 23:30	140	0.7	2.2	20.7	69.8	1011.7	0
3/03/2020 0:00	179	0.7	2	20.5	69.5	1011.7	0
3/03/2020 0:30	140	0	0.9	20.4	69.5	1011.8	0
3/03/2020 1:00	172	0.3	2.1	20.2	69.6	1011.9	0
3/03/2020 1:30	133	0.6	1.4	20.2	69.6	1011.6	0
3/03/2020 2:00	170	0.4	1.4	20.2	69	1011.5	0
3/03/2020 2:30	192	0.5	1.9	20.1	69.1	1011.7	0
3/03/2020 3:00	140	0.2	0.7	20.1	69.1	1011.9	0
3/03/2020 3:30	196	0.2	1.8	20.1	68.7	1011.8	0
3/03/2020 4:00	195	0.4	1.1	20.1	69.1	1011.9	0
3/03/2020 4:30	142	0.1	1	20.1	70.5	1012.2	0

3/03/2020 5:00	174	0.3	1.2	20	69.1	1012.3	0	
3/03/2020 5:30	162	0.1	1	20	69	1012.5	0	
3/03/2020 6:00	168	0.2	0.9	20.1	68.7	1013.1	0	
3/03/2020 6:30	189	0.1	0.7	20.2	67.8	1013.3	0	
3/03/2020 7:00	203	0	0.3	20.2	67.8	1013.5	0	
3/03/2020 7:30	264	0.1	0.6	20.6	67.2	1013.6	0	
3/03/2020 8:00	177	0.1	0.4	20.9	66.5	1013.8	0	
3/03/2020 8:30	170	0.1	0.6	21.1	64.4	1013.9	0	
3/03/2020 9:00	174	0.2	0.9	21.1	63.8	1014	0	0
3/03/2020 9:30	148	0.7	1.7	21.9	62.5	1014.2	0	
3/03/2020 10:00	141	0.9	1.8	21.5	64.2	1014.6	0	
3/03/2020 10:30	146	0.3	1.7	21.3	66.5	1014.3	0	
3/03/2020 11:00	174	0.1	1.2	21.6	65.5	1014.6	0	
3/03/2020 11:30	182	0.5	1.3	21.4	64.9	1014.4	0.01	
3/03/2020 12:00	145	0.3	1.4	21.3	65.6	1014.4	0.01	
3/03/2020 12:30	173	0.3	1.7	21.3	65.3	1014.3	0.01	
3/03/2020 13:00	107	0.3	0.9	21.2	66.9	1014.2	0.01	
3/03/2020 13:30	123	0.1	0.7	20.8	69.4	1014.2	0.01	
3/03/2020 14:00	144	0.1	1.6	20.7	71.6	1014.1	0.01	
3/03/2020 14:30	188	0.1	1	20.6	72.6	1014.1	0.01	
3/03/2020 15:00	141	0.8	1.3	20.2	75.8	1014.1	0.01	
3/03/2020 15:30	185	0.4	1.5	20.1	76.7	1014.1	0.01	
3/03/2020 16:00	196	0	0.5	19.7	80.2	1014.3	0.02	
3/03/2020 16:30	150	0.1	0.7	19.5	81.5	1014.3	0.02	
3/03/2020 17:00	164	0	0.4	19.4	83.1	1014.3	0.32	
3/03/2020 17:30	145	0	0.7	19.1	84.3	1014.5	0.53	
3/03/2020 18:00	187	0.2	1.3	19	86	1014.8	0.66	
3/03/2020 18:30	181	0.8	1.5	18.9	86.2	1014.9	0.71	
3/03/2020 19:00	154	0.2	1	18.8	87.1	1015	0.85	
3/03/2020 19:30	290	0	0.3	18.9	87.9	1015.5	0.88	
3/03/2020 20:00	212	0	0.5	18.8	87.8	1015.5	0.92	
3/03/2020 20:30	326	0	0.3	18.8	88.7	1016	0.92	
3/03/2020 21:00	165	0.1	0.7	18.8	88.8	1016	0.92	
3/03/2020 21:30	150	0.3	0.7	18.7	88.5	1015.5	0.92	
3/03/2020 22:00	165	0.3	1.1	18.5	88.6	1015.1	0.92	
3/03/2020 22:30	301	0	0.3	18.5	89.8	1015.3	0.94	
3/03/2020 23:00	208	0	0.1	18.4	91	1015.2	0.94	
3/03/2020 23:30	350	0	0.2	18.4	91	1014.8	0.94	
4/03/2020 0:00	199	0.1	0.5	18.4	91.5	1014.4	0.94	
4/03/2020 0:30	246	0	0.2	18.4	91.5	1014.5	0.94	
4/03/2020 1:00	308	0	0.2	18.6	91.7	1014.2	0.96	
4/03/2020 1:30	235	0.1	0.4	18.6	91.7	1013.9	0.96	
4/03/2020 2:00	180	1.2	1.7	18.6	91.6	1013.6	0.96	
4/03/2020 2:30	323	0	0.2	18.6	91.7	1013.7	1.08	
4/03/2020 3:00	144	0.1	0.4	18.9	92	1013.4	2.02	
4/03/2020 3:30	172	0	0.2	18.8	91.8	1013	2.16	
4/03/2020 4:00	222	0	0.2	19	91.9	1012.9	2.17	
4/03/2020 4:30	178	0.2	0.5	19	91.5	1012.9	2.17	
4/03/2020 5:00	268	0	0.2	19	91.4	1013.2	2.18	
4/03/2020 5:30	170	0.3	0.7	18.8	91.5	1013	2.2	
4/03/2020 6:00	211	0	0.4	19.2	91.5	1013.1	2.64	
4/03/2020 6:30	174	0.1	0.8	19.3	91.9	1013.4	3.07	
4/03/2020 7:00	103	0.1	0.5	19.4	91.8	1013.6	5.82	
4/03/2020 7:30	211	0.3	0.5	19.4	92	1013.6	10.08	
4/03/2020 8:00	157	0.6	1.1	19.6	92.6	1013.6	11.31	
4/03/2020 8:30	168	0.3	1.1	20.5	92.5	1013.6	11.34	
4/03/2020 9:00	139	0.1	1.1	20.7	91.8	1013.8	11.49	11.49
4/03/2020 9:30	106	0.1	0.8	21.1	91.1	1013.6	0.04	
4/03/2020 10:00	74	0.5	1.7	21.1	90.2	1013.4	0.04	
4/03/2020 10:30	63	0.3	1.8	21.2	86.9	1013.4	0.13	
4/03/2020 11:00	44	0.3	1.6	21.2	86	1013.1	0.13	
4/03/2020 11:30	62	0.7	1.9	22.3	81.7	1012.6	0.13	
4/03/2020 12:00	53	0.3	2.9	23.3	72.9	1012.1	0.13	
4/03/2020 12:30	71	0.9	2.3	23.7	69	1011.7	0.13	
4/03/2020 13:00	55	0.3	2.8	23.3	71.1	1011.4	0.13	
4/03/2020 13:30	58	0.6	2	23.8	68.5	1011	0.13	
4/03/2020 14:00	65	0.5	2.4	24.1	59.5	1010.4	0.13	
4/03/2020 14:30	60	0.3	1.6	24.1	60.3	1010.3	0.13	
4/03/2020 15:00	64	0.2	1.4	23.8	63.2	1010.4	0.13	
4/03/2020 15:30	59	0.6	1.9	23.7	63.7	1010.2	0.13	
4/03/2020 16:00	73	0.2	1.8	23.7	66.5	1010.4	0.13	
4/03/2020 16:30	74	0.3	1.3	23.7	68.7	1010.1	0.13	
4/03/2020 17:00	75	0.6	1.7	23.5	71.4	1010.1	0.13	
4/03/2020 17:30	99	0.1	0.6	23.3	73.3	1010.4	0.13	
4/03/2020 18:00	68	0.1	1	23.2	74.4	1010.5	0.13	
4/03/2020 18:30	79	0.3	1	23.1	75.2	1010.7	0.13	
4/03/2020 19:00	80	0.1	0.9	23	75.5	1010.8	0.13	
4/03/2020 19:30	81	0.2	1	22.8	76.8	1010.9	0.13	
4/03/2020 20:00	78	0.1	0.9	22.8	77.6	1011.1	0.13	
4/03/2020 20:30	74	0.2	1.1	22.8	78	1011.2	0.13	
4/03/2020 21:00	81	0.3	1.1	22.7	78.8	1011.2	0.13	
4/03/2020 21:30	82	0.3	0.9	22.7	78.4	1010.8	0.13	
4/03/2020 22:00	67	0.5	1.6	22.8	77.3	1010.5	0.13	
4/03/2020 22:30	58	0.1	1.9	22.8	75.6	1010.4	0.13	
4/03/2020 23:00	69	0.6	1.6	23	75	1010.2	0.13	
4/03/2020 23:30	32	0.2	1.6	23	75.3	1009.9	0.13	
5/03/2020 0:00	45	0.2	1.2	22.9	75.8	1009.6	0.13	
5/03/2020 0:30	60	0.2	1.2	22.8	75.9	1009.1	0.13	
5/03/2020 1:00	66	0.2	1.2	22.8	75.5	1008.6	0.13	
5/03/2020 1:30	97	0.1	1	22.6	76.7	1008.1	0.13	
5/03/2020 2:00	75	0.2	0.8	22.5	77.4	1007.7	0.13	
5/03/2020 2:30	102	0.1	0.6	22.6	78	1007.3	0.15	
5/03/2020 3:00	60	0.1	1.1	22.9	77.2	1006.8	0.15	
5/03/2020 3:30	76	0.1	0.8	23	77.5	1006.5	0.15	
5/03/2020 4:00	75	0.1	1	23.1	77.4	1006.2	0.15	



5/03/2020 4:30	60	0.1	0.8	23	78	1006	0.15	
5/03/2020 5:00	24	0	0.5	22.7	78.6	1006.1	0.15	
5/03/2020 5:30	59	0.1	0.8	22.3	84.2	1006.2	0.16	
5/03/2020 6:00	69	0.2	0.7	21.8	88	1006.2	0.35	
5/03/2020 6:30	327	0	0.3	21.6	89.1	1006.2	0.41	
5/03/2020 7:00	308	0	0.2	21.7	90.2	1006.4	0.41	
5/03/2020 7:30	81	0.1	0.7	21.7	88.7	1006.3	0.42	
5/03/2020 8:00	45	0.1	1	21.6	88.8	1006.2	0.52	
5/03/2020 8:30	30	0.1	0.8	22	89.1	1006.3	0.64	
5/03/2020 9:00	315	0.1	0.7	22.2	88.8	1006.2	0.77	0.77
5/03/2020 9:30	20	0.1	0.7	22	89.9	1005.9	0.3	
5/03/2020 10:00	62	0.3	1.7	22	89.5	1005.6	0.5	
5/03/2020 10:30	76	0.2	1	21.9	89.6	1005.1	0.86	
5/03/2020 11:00	58	0.1	0.8	22.2	88.3	1004.6	0.87	
5/03/2020 11:30	53	0.1	1.1	22.4	88.3	1004.1	1	
5/03/2020 12:00	69	0.5	1.3	22.2	89.2	1003.8	1.38	
5/03/2020 12:30	340	0	0.7	22.3	90.7	1003.5	1.86	
5/03/2020 13:00	60	0.4	2	22.2	88.3	1002.8	1.97	
5/03/2020 13:30	22	0.5	1.8	22.2	85	1002.6	2.07	
5/03/2020 14:00	18	0.2	1.6	21.6	87.4	1002.3	2.24	
5/03/2020 14:30	76	0.3	1.1	21.3	88.6	1002	2.4	
5/03/2020 15:00	114	0	0.3	21.4	88.8	1001.5	2.47	
5/03/2020 15:30	90	0.1	0.9	21.9	89.2	1001.1	2.82	
5/03/2020 16:00	63	0.1	0.6	22	90.6	1001.1	3.26	
5/03/2020 16:30	14	0.1	1.1	22.1	91	1000.6	3.39	
5/03/2020 17:00	0	0.3	1.1	22.1	90.7	1000.7	3.39	
5/03/2020 17:30	18	0.1	1	22.1	89.3	1000.7	3.39	
5/03/2020 18:00	347	0.1	0.9	22.1	88.1	1000.9	3.39	
5/03/2020 18:30	10	0.3	1	21.9	87.9	1001.1	3.39	
5/03/2020 19:00	34	0.1	0.6	21.8	88.1	1001.2	3.39	
5/03/2020 19:30	335	0	0.5	21.7	88.5	1001.3	3.4	
5/03/2020 20:00	331	0	0.4	21.7	90	1001.4	3.46	
5/03/2020 20:30	306	0	0.2	21.7	90.4	1001.5	3.46	
5/03/2020 21:00	222	0.1	0.3	21.6	90.7	1001.4	3.46	
5/03/2020 21:30	200	0	0.2	21.6	91	1001.4	3.46	
5/03/2020 22:00	221	0	0.3	21.6	90.8	1001.1	3.56	
5/03/2020 22:30	35	0.2	0.9	21.6	91.4	1001.1	3.58	
5/03/2020 23:00	239	0.1	0.3	21.4	91.9	1000.9	3.65	
5/03/2020 23:30	214	0	0.2	21.4	91.9	1000.6	3.74	
6/03/2020 0:00	198	0	0.3	21.4	92.1	1000.3	0	
6/03/2020 0:30	212	0	0.2	21.2	92.2	999.9	0.03	
6/03/2020 1:00	223	0.1	0.5	21	92.3	999.7	0.09	
6/03/2020 1:30	185	0	0.1	21	92.3	999.4	0.09	
6/03/2020 2:00	114	0	0.2	21.1	92.7	999.4	0.09	
6/03/2020 2:30	74	0	0.3	20.9	92.7	999.4	0.09	
6/03/2020 3:00	55	0	0.2	21	92.4	999.4	0.09	
6/03/2020 3:30	231	0	0.1	21.3	92.5	999.4	0.09	
6/03/2020 4:00	153	0	0.2	21.3	92.7	999.7	0.09	
6/03/2020 4:30	358	0	0.1	21.3	92.6	999.8	0.09	
6/03/2020 5:00	243	0	0.6	21.4	92.2	1000.1	0.09	
6/03/2020 5:30	309	0	0.3	21	91.6	1000.3	0.09	
6/03/2020 6:00	219	0.1	0.3	21	91.9	1000.6	0.09	
6/03/2020 6:30	5	0.1	0.5	21.3	91.9	1001	0.09	
6/03/2020 7:00	182	0.1	0.3	21.4	91.1	1001.3	0.09	
6/03/2020 7:30	241	0.1	0.4	21.9	90.1	1001.8	0.09	
6/03/2020 8:00	246	0	0.4	22.2	86.9	1002.1	0.09	
6/03/2020 8:30	237	0	0.3	23.7	77.5	1002.2	0.09	
6/03/2020 9:00	14	0.4	1.1	24.7	74.3	1002.5	0.09	0.09
6/03/2020 9:30	60	0.6	2.3	24.8	73.9	1002.8	0	
6/03/2020 10:00	71	0.8	2	26.6	68	1003.1	0	
6/03/2020 10:30	229	0	0.3	27.2	63.6	1003.1	0	
6/03/2020 11:00	132	0.2	2.4	27.9	57.2	1002.9	0	
6/03/2020 11:30	168	1	2.6	28.5	54.4	1002.8	0	
6/03/2020 12:00	136	0.1	0.9	28.8	57	1002.8	0	
6/03/2020 12:30	168	1.3	3.1	29.2	56.2	1002.9	0	
6/03/2020 13:00	147	0.2	1.5	28.1	60.8	1002.8	0	
6/03/2020 13:30	144	1.3	3.4	27.3	62	1002.9	0	
6/03/2020 14:00	151	0.6	2.6	27.9	59	1002.9	0	
6/03/2020 14:30	139	0.5	3.4	26.5	62.6	1002.9	0	
6/03/2020 15:00	132	0.5	2.9	25.4	65.3	1003.5	0	
6/03/2020 15:30	162	0.3	3.9	24.3	68.5	1003.8	0	
6/03/2020 16:00	136	0.4	3.8	23.8	69	1004.5	0	
6/03/2020 16:30	141	0.6	2.5	23.9	62.3	1004.9	0	
6/03/2020 17:00	135	0.3	2.6	23.6	66.3	1005.8	0	
6/03/2020 17:30	132	1.1	3.8	23	66.7	1006.3	0	
6/03/2020 18:00	141	1.1	2.5	22.4	68.4	1006.8	0	
6/03/2020 18:30	143	0.7	3.5	22.1	70.1	1007.5	0	
6/03/2020 19:00	152	0.1	3.3	21.8	72	1008.1	0	
6/03/2020 19:30	146	0.4	2.2	21.8	71	1008.8	0	
6/03/2020 20:00	145	0.8	1.7	21.5	71.6	1009.5	0	
6/03/2020 20:30	147	0.5	1.6	21.3	73.2	1010	0	
6/03/2020 21:00	150	0.1	2.9	21.3	71.1	1010.2	0	
6/03/2020 21:30	166	0	0.5	20.6	77.9	1010.2	0	
6/03/2020 22:00	180	0.5	1.3	20.6	74.5	1010.2	0	
6/03/2020 22:30	160	0.4	1.4	21	73	1010.5	0	
6/03/2020 23:00	161	0.3	1.2	21	72.4	1010.5	0	
6/03/2020 23:30	188	0.3	1.6	21	71.1	1010.7	0	
7/03/2020 0:00	174	1.4	2.8	20.9	69.2	1010.6	0	
7/03/2020 0:30	168	0.2	1.8	20.9	65.9	1010.7	0	
7/03/2020 1:00	176	0.5	1.8	20.9	65.7	1010.8	0	
7/03/2020 1:30	158	0.5	1.4	20.8	66.2	1010.7	0	
7/03/2020 2:00	198	0.1	0.9	20.6	66.8	1010.7	0	
7/03/2020 2:30	190	0.1	0.6	20.5	68.5	1010.8	0	
7/03/2020 3:00	179	0.2	1.6	20.3	69.1	1010.8	0	
7/03/2020 3:30	170	1.3	2.3	20.3	68.6	1011	0	

7/03/2020 4:00	186	0.9	2	20	68.5	1011.2	0	
7/03/2020 4:30	149	0.3	1.2	20	68.7	1011.4	0	
7/03/2020 5:00	158	0	1.1	20.1	68.7	1011.8	0	
7/03/2020 5:30	266	0	0.1	20	70	1012.2	0	
7/03/2020 6:00	143	0	0.3	20	71.4	1012.5	0	
7/03/2020 6:30	40	0	0.3	19.8	74.5	1013	0	
7/03/2020 7:00	223	0	0.6	20.2	68.6	1013.1	0	
7/03/2020 7:30	173	0.9	2.3	20.7	66.3	1013.4	0	
7/03/2020 8:00	185	0.5	1.7	20.9	66.4	1013.7	0.01	
7/03/2020 8:30	174	1	2.5	20.7	68.5	1014	0.01	
7/03/2020 9:00	160	0.2	0.7	20.8	67.5	1014.3	0.01	0.01
7/03/2020 9:30	181	0.1	1	21.8	64.4	1014.4	0	
7/03/2020 10:00	103	0.3	1.2	21.7	64.4	1014.4	0	
7/03/2020 10:30	206	0.1	0.6	22.4	62.8	1014.4	0	
7/03/2020 11:00	122	0.2	1.4	20.6	76.6	1014.4	0.76	
7/03/2020 11:30	218	0.4	0.6	19.7	87.3	1014.3	2.47	
7/03/2020 12:00	148	0.1	1.1	22.1	67.1	1013.9	2.47	
7/03/2020 12:30	139	0.8	2.5	23.7	53.6	1013.8	2.47	
7/03/2020 13:00	149	1.4	2.3	24.9	51.2	1013.7	2.47	
7/03/2020 13:30	143	0.2	1.8	23.8	53.8	1013.5	2.47	
7/03/2020 14:00	136	0.9	2.4	24	54.8	1013.5	2.47	
7/03/2020 14:30	135	1.2	2.8	23.4	57.4	1013.5	2.47	
7/03/2020 15:00	132	0.6	4.1	24.3	54.5	1013.4	2.47	
7/03/2020 15:30	149	0.8	3.4	24	53.5	1013.6	2.47	
7/03/2020 16:00	122	0.2	1.7	23.7	52.7	1013.8	2.47	
7/03/2020 16:30	132	0.5	2.6	22.4	58.2	1013.9	2.47	
7/03/2020 17:00	145	1.1	3.2	21.8	58.5	1014	2.47	
7/03/2020 17:30	158	0.3	1.7	21.6	64.2	1014.1	2.47	
7/03/2020 18:00	138	2	3.8	20.9	69.7	1014.4	2.47	
7/03/2020 18:30	158	0.5	2.3	20.4	71.6	1014.8	2.47	
7/03/2020 19:00	150	0.1	1.9	19.9	72.4	1015.3	2.47	
7/03/2020 19:30	146	0.9	1.7	19.8	74	1015.6	2.47	
7/03/2020 20:00	143	0.9	2.2	19.8	75.1	1015.9	2.47	
7/03/2020 20:30	145	0.8	1.7	19.5	77.6	1016	2.47	
7/03/2020 21:00	156	0.7	1.7	19.6	78.8	1016.1	2.47	
7/03/2020 21:30	148	0	0.8	18.9	82.8	1016.3	2.49	
7/03/2020 22:00	159	0.3	1.2	18.8	82.6	1016.2	2.49	
7/03/2020 22:30	144	0.7	1.3	18.6	81.9	1016	2.49	
7/03/2020 23:00	185	0.1	0.7	18.4	82.9	1015.7	2.49	
7/03/2020 23:30	168	0.6	1.2	18.4	83.5	1016	2.49	
8/03/2020 0:00	191	0.1	0.6	18.4	82.4	1015.6	2.49	
8/03/2020 0:30	181	0.2	1.4	18.1	88.1	1015.4	2.74	
8/03/2020 1:00	276	0	0.1	18.1	89.6	1015	2.74	
8/03/2020 1:30	188	0	0.2	17.8	89.5	1014.6	2.74	
8/03/2020 2:00	189	0	0.2	17.8	89.8	1014.4	2.74	
8/03/2020 2:30	142	0	0.2	17.5	89.8	1014.4	2.85	
8/03/2020 3:00	143	0	0.2	17.5	89.9	1014.2	2.85	
8/03/2020 3:30	130	0	0.2	17.4	90.8	1014.3	2.85	
8/03/2020 4:00	186	0.2	1	17.4	90.1	1014.5	2.85	
8/03/2020 4:30	163	0	1.8	17	90.9	1014.6	0	
8/03/2020 5:00	172	1.3	2.3	16.8	91.1	1014.7	0.16	
8/03/2020 5:30	173	0.7	1.1	16.5	90.6	1014.7	0.16	
8/03/2020 6:00	168	0.2	0.9	16.5	90.9	1014.9	0.16	
8/03/2020 6:30	186	0.8	1.7	16.6	89.5	1015.1	0.16	
8/03/2020 7:00	174	0.2	1	16.7	88.6	1015.5	0.16	
8/03/2020 7:30	183	0.1	1	16.9	88.2	1015.7	0.16	
8/03/2020 8:00	170	0.4	1.3	17	90	1016	0.22	
8/03/2020 8:30	352	0	0.5	17.6	89.4	1016.2	0.22	
8/03/2020 9:00	127	0.6	1.5	17.6	84.4	1016.2	0.22	0.22
8/03/2020 9:30	213	0	0.3	17.8	86.8	1016.3	0	
8/03/2020 10:00	202	0.1	0.6	17.8	87.5	1016.3	0.35	
8/03/2020 10:30	9	0.5	1	17.7	88.1	1016	1.02	
8/03/2020 11:00	152	0.5	2	20.6	67.3	1015.6	1.02	
8/03/2020 11:30	117	0	1.4	21	63.2	1015.1	1.02	
8/03/2020 12:00	126	0.7	2	21.2	61.8	1014.9	1.02	
8/03/2020 12:30	146	0.2	1.4	21.5	59.3	1014.5	1.02	
8/03/2020 13:00	147	0.8	3.2	23	53.8	1014.2	1.02	
8/03/2020 13:30	154	0.4	2.1	23.1	51.6	1013.8	1.02	
8/03/2020 14:00	164	0.7	2.3	22.6	55.7	1013.4	1.02	
8/03/2020 14:30	126	0.9	2.1	22.2	58.2	1013.3	1.02	
8/03/2020 15:00	142	0.8	2.3	21.5	61.4	1013.1	1.02	
8/03/2020 15:30	99	0.3	1.6	22.1	58.6	1013.1	1.02	
8/03/2020 16:00	139	0.7	2.1	21.6	62.8	1013.1	1.02	
8/03/2020 16:30	128	0.1	2.2	21.3	63.5	1013.1	1.02	
8/03/2020 17:00	137	0.5	2.4	21.3	62.5	1013.1	1.02	
8/03/2020 17:30	135	0.9	1.8	20.6	64.9	1013.3	1.02	
8/03/2020 18:00	140	0.1	1.3	20.1	66.9	1013.5	1.02	
8/03/2020 18:30	145	0.1	1.6	19.9	69.5	1014	1.02	
8/03/2020 19:00	130	0.1	1.1	19.5	72.2	1014.2	1.02	
8/03/2020 19:30	144	0.4	1.3	19.3	71	1014.4	1.02	
8/03/2020 20:00	141	0.1	1.1	19.3	71	1014.7	1.02	
8/03/2020 20:30	167	0.3	0.6	19.2	72.5	1014.9	1.02	
8/03/2020 21:00	191	0	0.7	19.1	73.7	1014.8	1.02	
8/03/2020 21:30	162	0.1	0.6	19.1	75	1015.1	1.02	
8/03/2020 22:00	167	0.4	0.7	19	75.3	1015	1.02	
8/03/2020 22:30	194	0.2	0.7	19	76.6	1015	1.02	
8/03/2020 23:00	164	0.2	0.8	18.9	76.1	1014.9	1.02	
8/03/2020 23:30	165	0.1	0.5	18.7	76.8	1014.8	1.02	
9/03/2020 0:00	82	0	0.3	18.6	77	1014.6	1.02	
9/03/2020 0:30	133	0	0.2	18.5	77	1014.5	1.02	
9/03/2020 1:00	229	0.2	0.3	18.2	79.3	1014.3	1.02	
9/03/2020 1:30	156	0.1	0.4	17.7	82.1	1014.2	1.02	
9/03/2020 2:00	165	0	1	17.6	81.8	1013.9	1.02	
9/03/2020 2:30	112	0.1	0.6	17.8	81.7	1013.8	1.02	
9/03/2020 3:00	164	0.1	0.5	17.8	81.4	1013.8	1.02	

9/03/2020 3:30	156	0.4	0.6	18	77.9	1013.6	1.02	
9/03/2020 4:00	158	0.3	1	18	77	1013.8	1.02	
9/03/2020 4:30	195	0.7	1.2	17.7	78.9	1013.9	1.02	
9/03/2020 5:00	177	0.1	0.7	17.7	79.3	1014.3	1.02	
9/03/2020 5:30	142	1.3	2.2	17.8	77.4	1014.8	1.02	
9/03/2020 6:00	124	0	0.4	17.4	83.5	1015	1.02	
9/03/2020 6:30	21	0	0.3	17.5	82.1	1015.3	1.02	
9/03/2020 7:00	176	0.5	1.1	18.3	77	1015.6	1.02	
9/03/2020 7:30	152	0	0.2	19.1	74.9	1015.7	1.02	
9/03/2020 8:00	137	0	0.4	19.1	70.7	1016	1.02	
9/03/2020 8:30	170	0	0.8	19.8	65.8	1016.2	1.02	
9/03/2020 9:00	132	1.1	2.7	21.3	60.5	1016.2	1.02	1.02
9/03/2020 9:30	139	1.2	2.5	21.3	59.8	1016.2	0	
9/03/2020 10:00	145	1.2	2.6	21.3	59.1	1016.2	0	
9/03/2020 10:30	181	0.1	0.8	21.4	60.6	1016.2	0	
9/03/2020 11:00	149	0.8	2.6	21.6	59.6	1016	0	
9/03/2020 11:30	115	0.3	1.5	22.6	54.6	1015.8	0	
9/03/2020 12:00	111	0.4	1.6	23.1	53.3	1015.6	0	
9/03/2020 12:30	112	0.1	2.1	22	58.8	1015.3	0	
9/03/2020 13:00	132	0.2	2.2	22.2	57.1	1014.9	0	
9/03/2020 13:30	142	0.7	2.5	22.6	55.6	1014.5	0	
9/03/2020 14:00	145	1.7	3.4	24	51.8	1014.5	0	
9/03/2020 14:30	140	0.7	2.6	23.3	55.4	1014.5	0	
9/03/2020 15:00	149	0.1	2	23.1	56.6	1014.5	0	
9/03/2020 15:30	143	0.9	2.7	21.7	59.9	1014.6	0	
9/03/2020 16:00	140	1.9	4	21.4	58.3	1014.3	0	
9/03/2020 16:30	171	0.1	1.4	21.1	60.2	1014.6	0	
9/03/2020 17:00	139	1	2.2	20.4	62	1014.7	0	
9/03/2020 17:30	119	0.3	2	20.3	65.3	1014.8	0	
9/03/2020 18:00	137	0.5	1.7	19.6	67.6	1015.1	0	
9/03/2020 18:30	120	0.1	1.5	18.9	66.4	1015.2	0	
9/03/2020 19:00	125	0.1	0.4	18.7	70.6	1015.5	0	
9/03/2020 19:30	208	0.1	0.5	18.6	73.3	1015.9	0	
9/03/2020 20:00	154	0.1	1.1	18.7	73.5	1016.2	0	
9/03/2020 20:30	136	0.2	1.1	18.7	75.9	1016.5	0	
9/03/2020 21:00	174	0	0.3	18.6	76.5	1016.5	0	
9/03/2020 21:30	191	0	0.3	18.6	78.7	1016.4	0	
9/03/2020 22:00	280	0	0.3	18.5	77.8	1016.4	0	
9/03/2020 22:30	327	0	0.4	18.2	81.3	1016.3	0	
9/03/2020 23:00	349	0	0.3	17.9	81.7	1016.1	0	
9/03/2020 23:30	342	0	0.3	17.4	83.6	1016	0	
10/03/2020 0:00	169	0.1	0.6	17	85.3	1016	0	
10/03/2020 0:30	338	0	0.1	16.4	87.2	1016	0	
10/03/2020 1:00	263	0	0.2	16.5	87.8	1016	0	
10/03/2020 1:30	252	0	0.3	16.6	86.7	1015.5	0	
10/03/2020 2:00	226	0	0.2	16.8	83.3	1015.5	0	
10/03/2020 2:30	174	0.2	0.8	17.1	82	1015.5	0.01	
10/03/2020 3:00	160	0.1	0.5	16.9	82.4	1015.3	0.01	
10/03/2020 3:30	87	0.1	0.3	17	82.8	1015.3	0.01	
10/03/2020 4:00	128	0	0.2	16.9	83.4	1015.1	0.01	
10/03/2020 4:30	224	0.1	0.2	17	81.9	1015.3	0.01	
10/03/2020 5:00	114	0	0.2	16.7	84.4	1015.5	0.02	
10/03/2020 5:30	185	0	0.3	16.3	83.4	1015.6	0.02	
10/03/2020 6:00	154	0	0.2	16	85.7	1015.6	0.02	
10/03/2020 6:30	179	0.2	1.3	16	84.8	1015.7	0.02	
10/03/2020 7:00	165	0.6	1.5	17.5	78.3	1016.1	0.02	
10/03/2020 7:30	126	0	0.6	18.2	77	1016.5	0.02	
10/03/2020 8:00	177	0.8	1.5	18.6	71.5	1016.5	0.02	
10/03/2020 8:30	143	0.1	0.8	19.6	71.6	1016.6	0.05	
10/03/2020 9:00	136	0	0.3	20.2	68	1016.8	0.05	0.05
10/03/2020 9:30	131	0.1	1	22.3	57.9	1016.9	0	
10/03/2020 10:00	104	0.1	0.9	21.9	58.1	1016.8	0	
10/03/2020 10:30	151	0.1	1	21.8	58.6	1016.6	0.01	
10/03/2020 11:00	136	0.1	0.9	21.7	61.1	1016.5	0.01	
10/03/2020 11:30	118	0.1	1.1	22.8	55.8	1016.4	0.01	
10/03/2020 12:00	80	0.3	1.4	23.2	49.7	1016.1	0.01	
10/03/2020 12:30	84	0.3	1.9	23.9	48.8	1015.7	0.01	
10/03/2020 13:00	132	0.3	2.5	23.9	46.2	1015.3	0.01	
10/03/2020 13:30	131	0.2	1.9	25.2	44.2	1015	0.01	
10/03/2020 14:00	153	0.1	1.5	23.8	45.5	1014.6	0.01	
10/03/2020 14:30	153	0.9	2.4	23.7	47.9	1014.3	0.01	
10/03/2020 15:00	87	0.2	1.9	23.7	47.4	1014.1	0.01	
10/03/2020 15:30	85	0.1	1.5	24.1	47.2	1013.9	0.01	
10/03/2020 16:00	139	0.2	2.3	24	41.7	1013.9	0.01	
10/03/2020 16:30	130	0.3	1.9	23.8	42	1014	0.01	
10/03/2020 17:00	79	0.2	1.5	23.3	43.6	1014	0.01	
10/03/2020 17:30	116	0.3	1.3	22.3	44.6	1014.3	0.01	
10/03/2020 18:00	100	0.1	1.3	21.8	51.2	1014.4	0.02	
10/03/2020 18:30	113	0.2	0.8	21	56.6	1014.7	0.02	
10/03/2020 19:00	87	0.1	0.7	20.6	60.8	1015	0.02	
10/03/2020 19:30	162	0	0.3	19.6	66.3	1015.3	0.02	
10/03/2020 20:00	208	0	0.2	18.6	73.3	1015.6	0.02	
10/03/2020 20:30	183	0	0.2	18	75.4	1015.9	0.02	
10/03/2020 21:00	194	0	0.1	17.3	79	1016	0.02	
10/03/2020 21:30	150	0	0.3	16.8	83.7	1016.3	0.02	
10/03/2020 22:00	121	0	0.2	16.2	83.1	1016.4	0.02	
10/03/2020 22:30	150	0	0.1	16.1	85.5	1016.4	0.02	
10/03/2020 23:00	213	0	0.1	15.7	86.1	1016.4	0.02	
10/03/2020 23:30	187	0	0.1	15.8	86.6	1016.4	0.02	
11/03/2020 0:00	133	0	0.3	15.6	88.6	1016.5	0.02	
11/03/2020 0:30	164	0	0.3	15.4	88.6	1016.5	0.02	
11/03/2020 1:00	137	0	0.2	15.6	88.2	1016.5	0.02	
11/03/2020 1:30	182	0	0.1	15.3	87.9	1016.3	0.02	
11/03/2020 2:00	157	0	0.1	15.1	88.6	1016.1	0.02	
11/03/2020 2:30	117	0	0.1	15.3	87.9	1016	0.02	



11/03/2020 3:00	100	0	0.2	14.8	89.2	1015.9	0.03	
11/03/2020 3:30	178	0	0.2	14.4	89.7	1015.8	0.03	
11/03/2020 4:00	188	0	0.2	14.6	89.6	1015.9	0.03	
11/03/2020 4:30	226	0	0.2	14.5	89.4	1016.1	0.03	
11/03/2020 5:00	205	0	0.3	14.6	90	1016.2	0.05	
11/03/2020 5:30	164	0	0.2	14.5	89.3	1016.4	0.05	
11/03/2020 6:00	218	0	0.2	14.3	90.5	1016.7	0.05	
11/03/2020 6:30	126	0	0.3	14.6	91.2	1017.1	0.05	
11/03/2020 7:00	211	0	0.3	17.1	83.2	1017.5	0.05	
11/03/2020 7:30	92	0	0.3	18.8	71.4	1017.7	0.05	
11/03/2020 8:00	338	0	0.2	20.8	68.7	1017.8	0.09	
11/03/2020 8:30	174	0.9	2	21.7	58.5	1018	0.09	
11/03/2020 9:00	184	1.2	1.8	21.8	56.2	1018.1	0.09	0.09
11/03/2020 9:30	140	0.5	1.4	22.8	53.1	1018.3	0	
11/03/2020 10:00	100	0.4	1.5	24.1	48.9	1018.2	0	
11/03/2020 10:30	130	0.1	0.4	24.1	46.9	1018	0	
11/03/2020 11:00	149	0.3	1.9	23.7	49.5	1017.8	0.04	
11/03/2020 11:30	130	0.1	1.1	24	50.6	1017.6	0.04	
11/03/2020 12:00	126	0.2	1.9	24.5	48.8	1017.5	0.04	
11/03/2020 12:30	137	0.1	2.1	24.7	47.4	1017.2	0.04	
11/03/2020 13:00	148	1	2.9	26	41.1	1017.1	0.04	
11/03/2020 13:30	129	0.2	2	26.2	41.9	1016.9	0.04	
11/03/2020 14:00	142	0.3	1.2	25.8	43.8	1016.9	0.06	
11/03/2020 14:30	127	0.3	2	23.8	49.4	1017	0.06	
11/03/2020 15:00	113	0.1	1.6	25.3	45	1016.9	0.06	
11/03/2020 15:30	110	0.1	2.2	25	44.3	1016.9	0.06	
11/03/2020 16:00	112	0.1	2.5	24.1	46.5	1016.9	0.06	
11/03/2020 16:30	112	1	2.4	24.1	50	1017.1	0.06	
11/03/2020 17:00	81	0.5	1.7	23.8	49.1	1017.3	0.06	
11/03/2020 17:30	93	0.7	2	23	51.1	1017.5	0.06	
11/03/2020 18:00	86	0.3	1.8	22.3	55.9	1017.6	0.06	
11/03/2020 18:30	112	0.1	0.8	21.6	59.8	1017.9	0.06	
11/03/2020 19:00	87	0.1	1.2	21.1	61.2	1018.2	0.06	
11/03/2020 19:30	248	0	0.2	20.6	64.6	1018.5	0.06	
11/03/2020 20:00	167	0	0.3	18.9	71.1	1018.8	0.06	
11/03/2020 20:30	192	0	0.2	18.3	74.7	1018.9	0.06	
11/03/2020 21:00	211	0.1	0.4	17.8	78.9	1019.3	0.06	
11/03/2020 21:30	174	0	0.2	17.4	81.7	1019.1	0.06	
11/03/2020 22:00	167	0	0.2	16.9	83.8	1019.1	0.06	
11/03/2020 22:30	116	0	0.1	16.6	86.4	1019.1	0.06	
11/03/2020 23:00	125	0	0.2	16.7	87.5	1019.1	0.06	
11/03/2020 23:30	224	0.1	0.3	16.7	89	1019.1	0.06	
12/03/2020 0:00	219	0	0.2	16.3	88.9	1019.1	0.06	
12/03/2020 0:30	208	0	0.1	16.3	89.5	1019.1	0.06	
12/03/2020 1:00	249	0	0.3	16.9	86.4	1018.8	0.06	
12/03/2020 1:30	205	0	0.4	18.2	81.1	1018.6	0.06	
12/03/2020 2:00	352	0	0.2	17.9	80.6	1018.3	0.06	
12/03/2020 2:30	158	0	0.2	17.5	81.4	1018.1	0.06	
12/03/2020 3:00	162	0.1	1	16.8	83.3	1017.9	0.06	
12/03/2020 3:30	200	0	0.1	16.4	85.6	1017.9	0.06	
12/03/2020 4:00	147	0	0.2	15.6	87.3	1017.8	0.09	
12/03/2020 4:30	183	0	0.2	15.5	89.5	1018.1	0.09	
12/03/2020 5:00	116	0.4	1	15.5	90.6	1018.6	0.09	
12/03/2020 5:30	296	0	0.1	16.5	87.8	1018.8	0.09	
12/03/2020 6:00	233	0.2	0.4	16.5	86.3	1018.8	0.14	
12/03/2020 6:30	184	0	0.1	16.9	88.7	1019.1	0.14	
12/03/2020 7:00	66	0.8	1.5	17	86.2	1019.8	0.14	
12/03/2020 7:30	206	0.8	1	17.4	88.3	1020	0.2	
12/03/2020 8:00	314	0.1	0.4	17.9	88.3	1020	0.34	
12/03/2020 8:30	326	0.1	0.4	19	83.3	1020.2	0.35	
12/03/2020 9:00	203	0	0.3	20.4	76.8	1020.3	0.35	0.35
12/03/2020 9:30	16	0	0.6	20.7	76.3	1020.3	0	
12/03/2020 10:00	173	0.4	1.3	22.9	58.9	1020	0	
12/03/2020 10:30	188	0.3	0.9	23.4	58.2	1019.6	0	
12/03/2020 11:00	50	0.1	0.7	23	57.6	1019.3	0	
12/03/2020 11:30	67	0.7	1.9	23.7	51.5	1019	0	
12/03/2020 12:00	78	0.6	1.7	24.3	48.5	1018.5	0	
12/03/2020 12:30	73	0.5	2.5	23.9	48.1	1018.1	0	
12/03/2020 13:00	116	0.3	1.7	24.7	45.1	1017.9	0	
12/03/2020 13:30	89	0.2	1.7	24.7	47.6	1017.5	0	
12/03/2020 14:00	78	0.2	1.8	26.2	40.7	1017.3	0	
12/03/2020 14:30	87	0.2	2.9	26.3	42.5	1017.2	0	
12/03/2020 15:00	79	0.6	2.3	25.9	41.9	1016.8	0	
12/03/2020 15:30	121	0.2	1.8	25.3	43.1	1016.7	0	
12/03/2020 16:00	72	0.1	2	25.1	42.5	1016.7	0	
12/03/2020 16:30	108	0.2	1.9	24.7	43.5	1016.6	0	
12/03/2020 17:00	63	0.9	2.5	24.1	45.6	1016.7	0	
12/03/2020 17:30	81	0.5	2.1	23.2	47.4	1016.7	0	
12/03/2020 18:00	75	0.4	1.9	22.5	51.7	1016.7	0	
12/03/2020 18:30	78	0.2	1.6	21.9	55.1	1016.9	0	
12/03/2020 19:00	78	0.1	1.5	21.2	57.9	1017.1	0	
12/03/2020 19:30	55	0	0.4	20.9	61.6	1017.4	0	
12/03/2020 20:00	219	0	0.2	19.4	70.5	1017.6	0	
12/03/2020 20:30	171	0	0.3	18.2	74.7	1017.6	0	
12/03/2020 21:00	316	0	0.1	17.6	78.4	1017.8	0	
12/03/2020 21:30	82	0	0.1	17.2	81	1017.8	0	
12/03/2020 22:00	205	0	0.1	16.6	83.9	1017.8	0.01	
12/03/2020 22:30	191	0	0.2	16.2	85.8	1017.8	0.01	
12/03/2020 23:00	86	0	0.1	15.9	85.9	1017.8	0.01	
12/03/2020 23:30	184	0.1	0.2	15.5	86.5	1017.6	0.01	
13/03/2020 0:00	184	0	0.1	15.3	87.8	1017.4	0.01	
13/03/2020 0:30	219	0.1	0.3	15	88.4	1016.9	0.01	
13/03/2020 1:00	54	0	0.1	14.8	89.3	1016.7	0.01	
13/03/2020 1:30	118	0	0.2	14.6	89.5	1016.3	0.01	
13/03/2020 2:00	204	0	0.1	14.5	89.8	1016.2	0.01	

13/03/2020 2:30	247	0	0.2	14.2	90.3	1016.1	0.01	
13/03/2020 3:00	270	0	0.2	13.9	90.2	1015.8	0.04	
13/03/2020 3:30	146	0.2	0.4	13.8	91.2	1015.5	0.05	
13/03/2020 4:00	126	0	0.2	13.8	90.5	1015.3	0.05	
13/03/2020 4:30	164	0	0.1	13.6	90.1	1015.2	0.05	
13/03/2020 5:00	155	0	0.2	13.6	91	1015.2	0.05	
13/03/2020 5:30	180	0.1	0.3	13.4	90.2	1015	0.05	
13/03/2020 6:00	240	0	0.3	13.6	90.7	1015.1	0.05	
13/03/2020 6:30	303	0	0.2	13.6	91.6	1015.3	0.05	
13/03/2020 7:00	350	0	0.4	15.8	89.2	1015.6	0.05	
13/03/2020 7:30	329	0.1	0.5	17.6	77.2	1015.5	0.05	
13/03/2020 8:00	350	0	0.5	19.3	68.7	1015.5	0.05	
13/03/2020 8:30	77	0	0.4	20.8	62.1	1015.3	0.05	
13/03/2020 9:00	329	0.1	0.6	21.3	61	1015.2	0.05	0.05
13/03/2020 9:30	20	0.7	1.6	21.3	59.1	1014.8	0	
13/03/2020 10:00	321	0.1	0.5	22.3	55	1014.6	0	
13/03/2020 10:30	309	0.2	1.2	23.5	47.2	1014.1	0	
13/03/2020 11:00	27	0.3	2.5	23.5	42.9	1013.8	0	
13/03/2020 11:30	33	0.4	2.2	23.9	40.5	1013.2	0	
13/03/2020 12:00	58	0.1	1.1	24.5	41.6	1012.6	0	
13/03/2020 12:30	40	0.1	0.9	24.9	40.9	1012	0	
13/03/2020 13:00	36	0.3	1.7	25.3	38	1011.2	0	
13/03/2020 13:30	18	0.2	1.6	25.7	38.6	1010.7	0	
13/03/2020 14:00	29	0.1	1	26.4	35	1010.3	0	
13/03/2020 14:30	70	0.2	1.3	26.8	31.8	1009.7	0	
13/03/2020 15:00	6	0.1	1.7	26.8	28.3	1009.4	0.01	
13/03/2020 15:30	70	0.2	1.1	27.4	24.4	1009	0.01	
13/03/2020 16:00	89	0.3	1.5	28.1	24.2	1008.7	0.01	
13/03/2020 16:30	35	0.1	0.9	27.1	25.7	1008.6	0.01	
13/03/2020 17:00	35	0.6	2.6	26	44.1	1008.4	0.01	
13/03/2020 17:30	27	0.2	1.9	25	49.9	1008.4	0.01	
13/03/2020 18:00	59	0.5	2.6	23.7	55.6	1008.4	0.01	
13/03/2020 18:30	84	0.5	2.3	22.4	60.4	1008.4	0.01	
13/03/2020 19:00	256	0	0.3	21.6	64.5	1008.6	0.01	
13/03/2020 19:30	86	0	0.6	21.1	68.9	1008.8	0.01	
13/03/2020 20:00	222	0	0.1	20.8	70.4	1009	0.01	
13/03/2020 20:30	17	0.1	0.5	20.2	71.3	1009	0.01	
13/03/2020 21:00	355	0.1	0.4	19.7	72.7	1009	0.01	
13/03/2020 21:30	157	0	0.2	19.5	74.8	1008.9	0.01	
13/03/2020 22:00	206	0	0.3	19.1	76.3	1008.7	0.01	
13/03/2020 22:30	348	0	0.5	19	77.5	1008.4	0.01	
13/03/2020 23:00	71	0	0.5	19	76.8	1008.3	0.01	
13/03/2020 23:30	59	0	0.4	18.8	78.5	1007.9	0.01	
14/03/2020 0:00	341	0	0.2	18.8	77.4	1007.8	0.01	
14/03/2020 0:30	354	0	0.3	18.9	78.5	1007.7	0.01	
14/03/2020 1:00	25	0	0.2	18.6	79.3	1007.2	0.01	
14/03/2020 1:30	210	0	0.2	17.9	81.3	1006.9	0.01	
14/03/2020 2:00	217	0	0.5	17	84.5	1006.6	0.01	
14/03/2020 2:30	161	0.2	0.4	16.6	85.8	1006.3	0.01	
14/03/2020 3:00	45	0	0.2	16.1	88.1	1006.2	0.01	
14/03/2020 3:30	133	0	0.1	15.8	88.3	1006.2	0.01	
14/03/2020 4:00	205	0.2	0.3	15.6	89.2	1006.2	0.01	
14/03/2020 4:30	197	0.6	0.9	15.7	90.1	1006.5	0.02	
14/03/2020 5:00	172	0.1	0.7	17	85.7	1007.3	0.02	
14/03/2020 5:30	176	0.4	1.5	17.8	82.1	1008.2	0.02	
14/03/2020 6:00	147	0.8	2.6	19.1	76.4	1008.9	0.02	
14/03/2020 6:30	150	1.3	2.7	18.3	71.3	1009.9	0.02	
14/03/2020 7:00	130	0.1	1.6	17.3	74.6	1010.4	0.02	
14/03/2020 7:30	154	0.3	2.5	17.6	69.6	1011	0.04	
14/03/2020 8:00	155	1.1	3.6	16	80.2	1011.4	0.11	
14/03/2020 8:30	159	0.3	1.9	15.6	80.9	1012	0.42	
14/03/2020 9:00	157	0.9	1.7	15.9	76.2	1012.1	0.42	0.42
14/03/2020 9:30	184	0.5	1.4	16.7	70.6	1012.4	0	
14/03/2020 10:00	142	0.1	1.5	17.1	65.6	1012.7	0	
14/03/2020 10:30	175	0.9	2.9	16.8	65.8	1012.9	0	
14/03/2020 11:00	174	0.2	3.6	16.6	65.8	1012.9	0	
14/03/2020 11:30	183	0.3	2.9	16.3	67.2	1013	0	
14/03/2020 12:00	190	0.4	2.2	15.7	67.9	1013.2	0	
14/03/2020 12:30	178	1.3	4.1	15.1	74.3	1013.1	0	
14/03/2020 13:00	155	0	1.1	14.2	82.2	1013.3	0	
14/03/2020 13:30	171	0	1.5	13.3	86.3	1013.3	0	
14/03/2020 14:00	160	0	0.5	12.9	88.1	1013.2	0.83	
14/03/2020 14:30	185	0.1	0.6	12.7	88.3	1013	2.52	
14/03/2020 15:00	178	0.1	0.5	12.5	88	1012.8	3.85	
14/03/2020 15:30	335	0	0.5	12.5	89.3	1012.8	4.74	
14/03/2020 16:00	135	0	1.2	12.9	89.3	1013.1	0	
14/03/2020 16:30	327	0	0.4	13.8	86.5	1012.9	0	
14/03/2020 17:00	109	0.1	0.5	14.2	84.3	1013.1	0	
14/03/2020 17:30	144	0	0.6	14.7	83.6	1013.2	0	
14/03/2020 18:00	98	0.1	0.6	14.9	81.6	1013.3	0	
14/03/2020 18:30	91	0.1	0.4	15.1	81.2	1013.4	0	
14/03/2020 19:00	128	0	0.3	15	79.2	1013.8	0	
14/03/2020 19:30	108	0	0.4	15.4	79	1014	0	
14/03/2020 20:00	101	0	0.5	15.3	79.4	1014.4	0	
14/03/2020 20:30	189	0	0.7	15.7	75.7	1014.7	0	
14/03/2020 21:00	207	0	0.4	15.9	73.8	1014.9	0	
14/03/2020 21:30	337	0	0.3	15.9	74.4	1014.9	0	
14/03/2020 22:00	50	0	0.6	15.8	71.5	1015	0	
14/03/2020 22:30	79	0	0.4	16	70.3	1015.1	0	
14/03/2020 23:00	326	0	0.4	15.5	73	1015	0	
14/03/2020 23:30	144	0	0.4	15.4	73.8	1015	0	
15/03/2020 0:00	333	0	0.3	15.3	71.7	1014.8	0	
15/03/2020 0:30	321	0	0.4	15.3	68.3	1014.8	0	
15/03/2020 1:00	1	0	0.4	15.8	69.3	1014.7	0	
15/03/2020 1:30	356	0	0.3	15.7	68.6	1014.4	0	

15/03/2020 2:00	125	0.1	0.5	15.6	69.8	1014.2	0	
15/03/2020 2:30	145	0.1	0.4	15.7	70.9	1014.1	0	
15/03/2020 3:00	107	0	0.9	15.6	68.5	1014	0	
15/03/2020 3:30	163	0.6	1.4	15	68.4	1014.2	0	
15/03/2020 4:00	183	0.1	0.8	14.2	72.3	1014.2	0	
15/03/2020 4:30	82	0	0.4	14	71	1014.4	0	
15/03/2020 5:00	154	0	0.4	13.2	75.2	1014.6	0	
15/03/2020 5:30	129	0	0.3	12.9	75.3	1015	0.01	
15/03/2020 6:00	191	0	0.2	12.8	73.8	1015.3	0.01	
15/03/2020 6:30	172	0.1	0.6	13.6	70.5	1015.7	0.01	
15/03/2020 7:00	128	0	0.4	15.1	63.9	1016	0.01	
15/03/2020 7:30	151	0.1	0.9	16.5	62.9	1016.3	0.02	
15/03/2020 8:00	168	0.2	1.7	16.2	60.7	1016.6	0.03	
15/03/2020 8:30	171	1.5	2.7	18.1	55.8	1016.9	0.03	
15/03/2020 9:00	190	0	0.8	18.9	57.1	1016.8	0.03	0.03
15/03/2020 9:30	133	1.6	3.4	19.2	57.1	1017	0	
15/03/2020 10:00	127	1.5	3	19.7	56.8	1017.2	0	
15/03/2020 10:30	144	0.4	1.9	19.7	54.5	1017.1	0	
15/03/2020 11:00	134	0.2	2.8	20.5	54.2	1016.9	0.03	
15/03/2020 11:30	142	0.2	1.3	21.1	53.1	1016.7	0.03	
15/03/2020 12:00	137	0.8	2.7	20.6	53.3	1016.6	0.03	
15/03/2020 12:30	111	0.1	2.4	20.4	55.2	1016.5	0.03	
15/03/2020 13:00	140	0.4	2.4	20.4	54.4	1016.3	0.03	
15/03/2020 13:30	143	0.6	2	20.4	54.3	1016.2	0.03	
15/03/2020 14:00	184	0.1	2.6	21	54.9	1016.2	0.03	
15/03/2020 14:30	142	1.6	3.5	20.5	54	1016.2	0.03	
15/03/2020 15:00	148	0.2	2.4	20	57.4	1016.1	0.03	
15/03/2020 15:30	180	0	0.9	20.2	58	1016.1	0.03	
15/03/2020 16:00	128	0.6	2.2	20.6	54.2	1016.2	0.03	
15/03/2020 16:30	144	1	2.2	20.1	57.1	1016.4	0.03	
15/03/2020 17:00	140	0	1.1	20.2	57.2	1016.8	0.03	
15/03/2020 17:30	150	0.8	3.2	19.3	60.7	1017.2	0.03	
15/03/2020 18:00	150	0.3	1.5	18.4	67.2	1017.2	0.03	
15/03/2020 18:30	174	0.6	1.9	18.4	67.2	1017.6	0.03	
15/03/2020 19:00	160	0.4	2.1	18.1	68.1	1017.7	0.03	
15/03/2020 19:30	170	0.7	3	18	70.7	1018.1	0.03	
15/03/2020 20:00	181	1.5	3	17.6	74.1	1018.3	0.03	
15/03/2020 20:30	180	0.5	1.9	17.1	80	1018.7	0.03	
15/03/2020 21:00	162	0	0.6	16.9	81.3	1018.7	0.03	
15/03/2020 21:30	173	0.1	1	16.8	81.8	1018.6	0.03	
15/03/2020 22:00	192	0.1	0.6	16.7	80.5	1018.5	0.03	
15/03/2020 22:30	200	0	0.3	16.4	80.9	1018.5	0.03	
15/03/2020 23:00	2	0	0.4	15.9	81.3	1018.3	0.03	
15/03/2020 23:30	276	0	0.2	15.9	81.7	1018.1	0.03	
16/03/2020 0:00	36	0	0.3	16.3	76.9	1018.1	0.03	
16/03/2020 0:30	147	0	0.6	16.7	69.3	1017.8	0.03	
16/03/2020 1:00	154	0	0.4	16.5	73.1	1017.7	0.03	
16/03/2020 1:30	117	0.1	0.4	16.5	68.8	1017.5	0.03	
16/03/2020 2:00	163	0.4	1	16.5	66.5	1017.6	0.03	
16/03/2020 2:30	184	0.3	0.7	16	76.2	1017.6	0.03	
16/03/2020 3:00	263	0	0.2	15.5	81.7	1017.5	0.05	
16/03/2020 3:30	213	0	0.3	14.9	85.3	1017.4	0.05	
16/03/2020 4:00	336	0.1	0.5	14.6	86.6	1017.4	0.05	
16/03/2020 4:30	129	0	0.5	14.9	88.5	1017.5	0.05	
16/03/2020 5:00	193	0.1	0.8	15.1	88.8	1017.7	0.05	
16/03/2020 5:30	117	0	0.7	15.2	89.1	1017.9	0.05	
16/03/2020 6:00	19	0	0.5	15.3	89	1018.2	0.05	
16/03/2020 6:30	121	0	0.4	15.6	89.5	1018.6	0.05	
16/03/2020 7:00	24	0	0.4	15.8	89.8	1019.2	0	
16/03/2020 7:30	0	0	0.6	16.1	90.5	1019.3	0.02	
16/03/2020 8:00	159	0.1	0.6	17	90.5	1019.5	0.02	
16/03/2020 8:30	186	0.1	1.6	17	89.6	1019.7	0.03	
16/03/2020 9:00	177	2.4	4.2	17.4	88.5	1019.8	0.04	0.04
16/03/2020 9:30	168	0.2	1.9	18.6	84	1020.1	0.03	
16/03/2020 10:00	156	1.5	2.4	17.6	86.3	1020.1	0.05	
16/03/2020 10:30	164	0.1	1.7	18.1	81.9	1020.2	0.05	
16/03/2020 11:00	131	0.6	1.9	17.9	86.3	1020.4	0.07	
16/03/2020 11:30	154	0.1	0.7	18.3	86.9	1020.3	0.07	
16/03/2020 12:00	148	0.1	1.9	20.6	62.8	1019.8	0.07	
16/03/2020 12:30	146	0.7	2.2	22.2	58.3	1019.7	0.07	
16/03/2020 13:00	145	2.8	4.6	20.6	64.5	1019.9	0.07	
16/03/2020 13:30	136	0.3	3.3	20.6	64.9	1019.9	0.07	
16/03/2020 14:00	128	0.5	3.2	20.4	65.6	1019.7	0.07	
16/03/2020 14:30	165	0.1	1.4	21.4	62.5	1019.5	0.07	
16/03/2020 15:00	147	1	3.1	22.2	49.3	1019.4	0.07	
16/03/2020 15:30	162	0.5	2.8	22.2	50	1019.3	0.07	
16/03/2020 16:00	153	0.1	2.2	22.6	47.8	1019.4	0.07	
16/03/2020 16:30	164	0.1	1.4	21.7	49.8	1019.5	0.07	
16/03/2020 17:00	179	0.1	2	20.4	53.2	1019.7	0.07	
16/03/2020 17:30	162	0.5	1.9	20.4	56.4	1020	0.07	
16/03/2020 18:00	158	0.2	1.8	20.3	56.9	1020.1	0.07	
16/03/2020 18:30	186	0.1	1.5	19.8	59.4	1020.5	0.07	
16/03/2020 19:00	160	0.7	2.2	19.7	61.2	1020.7	0.07	
16/03/2020 19:30	157	1.3	2.3	19.5	65.1	1021.2	0.07	
16/03/2020 20:00	136	0.5	1.9	17.6	78.6	1021.6	0.08	
16/03/2020 20:30	151	0.1	1.3	17.2	85.9	1021.9	0.48	
16/03/2020 21:00	183	0.1	1.6	17.2	83.4	1022	0.6	
16/03/2020 21:30	250	0	0.2	17.2	85.8	1021.8	0.6	
16/03/2020 22:00	117	0	0.4	17.2	85.6	1021.7	0.6	
16/03/2020 22:30	192	0.3	1.1	16.6	86.9	1022	0.6	
16/03/2020 23:00	254	0	0.3	16.5	88.7	1021.9	0.6	
16/03/2020 23:30	169	0	0.5	16.5	88.8	1021.9	0.6	
17/03/2020 0:00	177	0	0.7	16.4	87.3	1021.8	0.6	
17/03/2020 0:30	12	0	0.4	16.3	87.2	1021.7	0.6	
17/03/2020 1:00	304	0	0.7	15.9	87.6	1021.6	0.6	



17/03/2020 1:30	133	0	0.3	15.6	87.8	1021.2	0.6	
17/03/2020 2:00	193	0	0.6	15.5	88.7	1020.9	0.6	
17/03/2020 2:30	186	0.1	1.3	16	89	1020.8	0.6	
17/03/2020 3:00	270	0	0.5	16.1	87.8	1020.7	0.6	
17/03/2020 3:30	160	0.1	1	16	87.4	1020.7	0.6	
17/03/2020 4:00	51	0	0.5	15.7	86.4	1020.6	0.6	
17/03/2020 4:30	130	0	0.8	15.7	86.7	1020.8	0.6	
17/03/2020 5:00	357	0	0.3	15.7	87	1021	0.6	
17/03/2020 5:30	117	0	0.2	16	85.5	1021.3	0.6	
17/03/2020 6:00	348	0.1	0.4	15.5	87.1	1021.5	0.6	
17/03/2020 6:30	110	0	0.3	15.4	88.8	1021.8	0.6	
17/03/2020 7:00	168	0	0.5	15.8	87	1022	0.6	
17/03/2020 7:30	180	0.3	1.4	17.5	75.4	1022.1	0.6	
17/03/2020 8:00	150	0.1	0.8	17.5	77.3	1022.4	0.6	
17/03/2020 8:30	183	0.1	1.6	18.2	75.7	1022.7	0.6	
17/03/2020 9:00	184	0.5	2.1	18.8	74.5	1022.9	0.6	0.6
17/03/2020 9:30	174	0.2	0.9	18.8	76.5	1022.8	0	
17/03/2020 10:00	179	1.7	3.1	19.8	71.1	1023.1	0	
17/03/2020 10:30	181	1.8	3.2	20.3	65.9	1022.9	0	
17/03/2020 11:00	207	0.5	1.6	20.9	65.1	1022.6	0	
17/03/2020 11:30	189	0.3	1.6	20.9	64.6	1022.2	0	
17/03/2020 12:00	1	0.1	0.7	21.2	65.5	1022	0	
17/03/2020 12:30	154	0.1	1.1	22.7	58.7	1021.5	0	
17/03/2020 13:00	167	0.1	0.9	23.4	53.8	1021.1	0	
17/03/2020 13:30	145	1.1	1.9	24	48.4	1020.7	0	
17/03/2020 14:00	138	0.4	1.7	22.8	52.8	1020.4	0	
17/03/2020 14:30	157	0.4	0.9	23.2	51.4	1020.3	0	
17/03/2020 15:00	150	0.3	1.2	23.1	52.3	1020.1	0	
17/03/2020 15:30	144	0.2	1.5	22.3	55.8	1020.2	0	
17/03/2020 16:00	124	0.5	1.8	22.1	56.8	1020.3	0	
17/03/2020 16:30	120	0.3	1.4	22.2	57	1020.3	0	
17/03/2020 17:00	135	0.3	1.4	22	55.3	1020.3	0	
17/03/2020 17:30	79	0.7	1.5	21.6	57.3	1020.4	0	
17/03/2020 18:00	90	0.1	0.9	20.9	60.3	1020.4	0	
17/03/2020 18:30	134	0	0.3	20	67	1020.6	0	
17/03/2020 19:00	184	0	0.2	18	73.7	1021	0	
17/03/2020 19:30	198	0	0.3	17.4	78.2	1021.2	0	
17/03/2020 20:00	160	0	0.3	16.7	81.6	1021.4	0	
17/03/2020 20:30	215	0	0.3	16.6	85.7	1021.6	0	
17/03/2020 21:00	184	0	0.2	16.3	86.4	1021.6	0	
17/03/2020 21:30	200	0	0.1	16.1	88.1	1021.7	0	
17/03/2020 22:00	118	0	0.1	16.5	89.1	1021.9	0	
17/03/2020 22:30	167	0	0.1	16.5	87.4	1021.7	0	
17/03/2020 23:00	184	0	0.2	16.7	88.8	1021.3	0	
17/03/2020 23:30	23	0	0.2	16.7	88.9	1021.2	0	
18/03/2020 0:00	203	0.1	0.3	16.7	89.3	1021.1	0	
18/03/2020 0:30	180	0	0.2	16.6	88.6	1021.1	0	
18/03/2020 1:00	135	0	0.1	15.9	88.1	1020.9	0	
18/03/2020 1:30	201	0	0.1	15.2	89.2	1020.3	0	
18/03/2020 2:00	203	0	0.1	14.7	90.3	1020.2	0	
18/03/2020 2:30	258	0.1	0.2	14.6	90.9	1020.1	0	
18/03/2020 3:00	188	0	0.2	14.1	91	1019.9	0	
18/03/2020 3:30	217	0.1	0.3	13.7	91.4	1019.9	0	
18/03/2020 4:00	156	0	0.1	13.9	92	1019.7	0	
18/03/2020 4:30	140	0	0.1	13.5	92.1	1019.6	0	
18/03/2020 5:00	178	0	0.2	13.6	92.3	1019.7	0	
18/03/2020 5:30	204	0	0.2	14.3	92.4	1020.1	0	
18/03/2020 6:00	196	0	0.5	14.5	92.4	1020.7	0	
18/03/2020 6:30	8	0	0.2	14.7	92.3	1020.9	0	
18/03/2020 7:00	331	0	0.3	14.8	92	1021.4	0	
18/03/2020 7:30	340	0.1	0.7	15.2	92.8	1021.3	0	
18/03/2020 8:00	0	0.1	0.9	15.5	92.3	1021.4	0	
18/03/2020 8:30	228	0.1	0.3	17.1	89.5	1021.6	0	
18/03/2020 9:00	281	0	0.5	18.3	76.6	1021.2	0	0
18/03/2020 9:30	230	0	0.4	20.2	69.9	1021.2	0	
18/03/2020 10:00	31	0	1.1	21.6	59.5	1021.2	0	
18/03/2020 10:30	344	0.1	1.7	22.6	50	1020.7	0	
18/03/2020 11:00	355	0.3	1.4	23.3	45.2	1020.3	0	
18/03/2020 11:30	70	0.1	1.3	23.4	42.6	1019.4	0	
18/03/2020 12:00	304	0.1	0.7	24.4	43.4	1018.8	0	
18/03/2020 12:30	46	0.4	2.7	24.9	39.1	1018.2	0	
18/03/2020 13:00	4	0.1	1.1	25.3	37.9	1017.5	0.03	
18/03/2020 13:30	282	0	0.5	26.3	38	1017.2	0.03	
18/03/2020 14:00	71	0.1	0.7	26.7	35.2	1016.7	0.03	
18/03/2020 14:30	194	0.7	1.2	27.4	33.2	1016.2	0.03	
18/03/2020 15:00	59	0.1	0.8	27.1	35.8	1015.8	0.03	
18/03/2020 15:30	43	0.1	0.7	27.7	35.9	1015.3	0.03	
18/03/2020 16:00	34	0	0.6	27.8	33.3	1015.2	0.03	
18/03/2020 16:30	322	0.1	0.5	28.4	34.9	1015.3	0.03	
18/03/2020 17:00	341	0	0.8	27	41.1	1015.1	0.03	
18/03/2020 17:30	351	0.1	0.5	26.4	43.1	1015.1	0.03	
18/03/2020 18:00	59	0.2	2.2	25.1	48.8	1015.4	0.03	
18/03/2020 18:30	56	0.2	1.1	24	55.6	1015.8	0.03	
18/03/2020 19:00	74	0.3	1.3	22.6	61.8	1016.3	0.03	
18/03/2020 19:30	52	0.1	0.8	22.2	65.8	1016.7	0.03	
18/03/2020 20:00	209	0	0.4	21.1	70.6	1017	0.03	
18/03/2020 20:30	162	0.1	0.4	20.3	75	1017.4	0.03	
18/03/2020 21:00	186	0.1	0.3	19.6	77.6	1017.7	0.03	
18/03/2020 21:30	330	0	0.1	18.8	80.4	1017.5	0.03	
18/03/2020 22:00	211	0.2	0.7	18.5	82.8	1017.5	0.03	
18/03/2020 22:30	223	0	0.1	18.2	82.2	1017.6	0.03	
18/03/2020 23:00	140	0	0.1	17.7	84.1	1017.1	0.03	
18/03/2020 23:30	183	0	0.3	17.6	83.2	1016.7	0.03	
19/03/2020 0:00	209	0	0.4	17.6	83	1016.3	0.03	
19/03/2020 0:30	149	0.1	0.2	17.5	83.2	1016.4	0.03	

19/03/2020 1:00	218	0.2	0.5	17	85.1	1016.1	0.03	
19/03/2020 1:30	114	0	0.1	16.6	87.5	1015.8	0.03	
19/03/2020 2:00	228	0	0.2	16.4	88.4	1015.4	0.03	
19/03/2020 2:30	251	0	0.2	16.6	86.7	1015.3	0.03	
19/03/2020 3:00	161	0	0.2	16.6	87.2	1015.3	0.03	
19/03/2020 3:30	201	0	0.1	16	88.1	1015.2	0.03	
19/03/2020 4:00	284	0	0.2	15.6	89.7	1015.1	0.03	
19/03/2020 4:30	202	0	0.4	15.6	91	1015.1	0.03	
19/03/2020 5:00	329	0	0.2	15.4	90.9	1015.2	0.03	
19/03/2020 5:30	291	0	0.2	15.3	90.9	1015.4	0.03	
19/03/2020 6:00	192	0.4	0.6	15.9	91.6	1015.9	0.03	
19/03/2020 6:30	356	0	0.2	15.7	91.1	1016.2	0.03	
19/03/2020 7:00	321	0	0.3	16.9	88.2	1016.4	0.03	
19/03/2020 7:30	321	0.4	0.9	18.5	79.7	1016.7	0.04	
19/03/2020 8:00	348	0.1	0.6	19.9	73.1	1016.7	0.04	
19/03/2020 8:30	350	0.1	1.1	20.8	69.3	1016.7	0.04	
19/03/2020 9:00	5	0.1	0.6	22.7	62.1	1016.8	0.04	0.04
19/03/2020 9:30	352	0.1	0.9	24.7	55.7	1016.9	0	
19/03/2020 10:00	54	0.2	1.4	25.2	49.5	1016.6	0	
19/03/2020 10:30	33	0.2	1	26.5	44.4	1016.3	0	
19/03/2020 11:00	30	0.3	1.6	27	45.5	1015.8	0	
19/03/2020 11:30	4	0.2	1.3	28.5	39.9	1015.7	0	
19/03/2020 12:00	16	0.2	1.3	29.5	35.9	1015.4	0	
19/03/2020 12:30	323	0.1	1.4	29.8	33.9	1014.9	0	
19/03/2020 13:00	332	0.4	1.5	30.5	32.8	1014.4	0	
19/03/2020 13:30	18	0.2	1.2	31.5	28.4	1014.1	0	
19/03/2020 14:00	7	0.2	1.1	31.5	27.2	1013.8	0	
19/03/2020 14:30	334	0	0.6	32.9	27.2	1013.5	0	
19/03/2020 15:00	192	0	0.5	33.7	24	1013.1	0	
19/03/2020 15:30	341	0.1	0.9	33.2	26.3	1012.8	0	
19/03/2020 16:00	335	0.2	1	32.9	26.8	1012.6	0	
19/03/2020 16:30	64	0.1	0.7	32.6	27.9	1012.5	0	
19/03/2020 17:00	12	0	1	31.8	29.2	1012.5	0	
19/03/2020 17:30	75	0	0.1	30.5	37.2	1012.6	0	
19/03/2020 18:00	134	0	0.2	28.5	43.8	1012.6	0	
19/03/2020 18:30	203	0.1	0.3	26.7	50.1	1012.6	0	
19/03/2020 19:00	146	0.1	0.2	24.8	60.7	1012.7	0	
19/03/2020 19:30	148	0.1	0.3	23.7	68.7	1012.9	0	
19/03/2020 20:00	181	0	0.1	23.5	65.7	1013	0	
19/03/2020 20:30	181	0.2	0.3	23.5	62.9	1013.1	0	
19/03/2020 21:00	157	0	0.1	23.3	67.1	1012.9	0	
19/03/2020 21:30	197	0	0.1	22.3	68.8	1013.2	0	
19/03/2020 22:00	178	0	0.2	22.3	72.3	1013.1	0	
19/03/2020 22:30	216	0.1	0.3	21.9	73.2	1012.9	0	
19/03/2020 23:00	209	0	0.2	21.1	77	1012.5	0	
19/03/2020 23:30	165	0	0.3	20.8	77	1012.3	0	
20/03/2020 0:00	192	0	0.1	20.8	77.1	1012.1	0	
20/03/2020 0:30	299	0	0.1	20.3	79.4	1011.9	0	
20/03/2020 1:00	231	0	0.2	19.8	76.6	1011.4	0	
20/03/2020 1:30	210	0.1	0.3	19.6	74.4	1011.3	0	
20/03/2020 2:00	82	0	0.2	19.9	75.8	1010.7	0	
20/03/2020 2:30	164	0.2	0.4	19.7	74.1	1010.2	0	
20/03/2020 3:00	193	0	0.2	20.5	65.7	1010.2	0	
20/03/2020 3:30	147	0	0.1	19.5	72.6	1010.1	0	
20/03/2020 4:00	342	0	0.3	18.9	73.6	1009.8	0	
20/03/2020 4:30	209	0	0.2	18.7	81.3	1009.8	0	
20/03/2020 5:00	219	0.1	0.3	18.7	81.6	1009.8	0	
20/03/2020 5:30	301	0	0.3	19	79.6	1009.7	0.03	
20/03/2020 6:00	349	0	0.3	19	74.1	1009.9	0.03	
20/03/2020 6:30	343	0.2	1.1	19.8	72.6	1009.9	0.03	
20/03/2020 7:00	350	0	0.6	21	65.9	1010.1	0.03	
20/03/2020 7:30	19	0.1	0.9	22.2	62.6	1010.2	0.03	
20/03/2020 8:00	252	0	0.4	23.4	58.9	1010.2	0.03	
20/03/2020 8:30	303	0	0.6	24.4	55.7	1010.1	0.03	
20/03/2020 9:00	315	0.1	0.5	25.3	55.2	1010.1	0.03	0.03
20/03/2020 9:30	2	0	0.8	25.8	53.5	1009.9	0	
20/03/2020 10:00	351	0.2	1.5	27.9	46.9	1009.8	0	
20/03/2020 10:30	354	0.1	1.4	28.5	44.9	1009.2	0	
20/03/2020 11:00	36	0.3	1.9	30	37.7	1008.6	0	
20/03/2020 11:30	19	0.1	1.1	31.9	32.4	1008.2	0	
20/03/2020 12:00	288	0.1	1.3	32.5	32.1	1007.7	0	
20/03/2020 12:30	347	0.3	2	32.7	30.3	1007.1	0	
20/03/2020 13:00	349	0.1	0.9	34	25.8	1006.6	0	
20/03/2020 13:30	309	0.2	2.9	34.4	25.6	1005.9	0	
20/03/2020 14:00	1	0.1	1.2	35	25.4	1005.7	0	
20/03/2020 14:30	298	0.2	1.3	35.3	23.3	1005.3	0	
20/03/2020 15:00	287	0.1	1.2	35.2	23.6	1005	0	
20/03/2020 15:30	320	0.1	1.4	35.5	24.1	1004.8	0	
20/03/2020 16:00	313	0.2	1.9	34.5	23.8	1004.3	0	
20/03/2020 16:30	306	0.1	1.8	34.9	23.4	1004.4	0	
20/03/2020 17:00	271	0.1	0.7	34.2	24.4	1004.7	0	
20/03/2020 17:30	284	0	0.4	32.9	24.9	1004.8	0	
20/03/2020 18:00	250	0	0.3	32.2	24.9	1005.2	0	
20/03/2020 18:30	315	0	0.5	30.9	27.1	1005.5	0	
20/03/2020 19:00	181	0	0.6	30.2	28	1006.2	0	
20/03/2020 19:30	271	0	0.3	29.1	31	1006.8	0	
20/03/2020 20:00	158	0.1	0.4	28.8	31.6	1007.3	0	
20/03/2020 20:30	244	0	0.3	26.3	36.7	1008.1	0	
20/03/2020 21:00	113	0.2	1.1	25.4	49.6	1008.5	0	
20/03/2020 21:30	105	0.1	1.1	23.8	66.5	1009	0	
20/03/2020 22:00	100	0.1	1.2	23	67.8	1009.6	0	
20/03/2020 22:30	130	0.2	1.9	22	69.8	1010	0	
20/03/2020 23:00	117	0.4	1.5	21.4	73.3	1010.4	0	
20/03/2020 23:30	132	0.5	1.2	21.1	74.8	1010.5	0	
21/03/2020 0:00	131	0.4	1.2	20.8	75.5	1010.8	0	

21/03/2020 0:30	130	0.5	1.4	20.4	76.6	1010.8	0
21/03/2020 1:00	132	0.3	1.1	20.1	77.5	1010.9	0
21/03/2020 1:30	214	0	0.2	19.5	79.6	1010.8	0
21/03/2020 2:00	216	0.1	0.4	18.6	82.6	1011	0
21/03/2020 2:30	195	0	0.2	17.9	86.1	1011	0
21/03/2020 3:00	151	0.1	0.2	17.5	87.2	1011.3	0
21/03/2020 3:30	291	0	0.1	17.1	88.8	1011.4	0
21/03/2020 4:00	242	0.2	0.3	16.7	88.9	1011.6	0
21/03/2020 4:30	268	0.1	0.2	16.4	89.3	1011.8	0
21/03/2020 5:00	294	0	0.2	16.1	89.5	1012.1	0
21/03/2020 5:30	189	0	0.1	15.8	89.8	1012.6	0
21/03/2020 6:00	146	0.4	0.6	15.7	89.7	1012.9	0
21/03/2020 6:30	335	0	0.2	16	90	1013.5	0
21/03/2020 7:00	51	0	0.5	17.8	86.2	1013.8	0
21/03/2020 7:30	305	0.1	0.4	19.9	76.9	1014.3	0
21/03/2020 8:00	15	0	0.3	21.2	71.8	1014.5	0
21/03/2020 8:30	312	0	0.4	21.3	67.2	1014.7	0
21/03/2020 9:00	348	0.4	1.2	22.5	63	1015	0
21/03/2020 9:30	352	0.1	1.1	22.5	60.1	1015.1	0
21/03/2020 10:00	62	0.5	1.6	24.2	50.8	1015.2	0
21/03/2020 10:30	89	0.1	1.7	24.9	46.2	1015.1	0
21/03/2020 11:00	31	0.2	2.2	25	48.2	1014.6	0
21/03/2020 11:30	78	0.2	0.7	25.4	46.6	1014.4	0
21/03/2020 12:00	332	0	0.9	25.5	46.1	1014.2	0
21/03/2020 12:30	107	0.4	2.4	24.9	54.8	1014.2	0
21/03/2020 13:00	146	1.3	2.5	24.7	54.7	1013.7	0
21/03/2020 13:30	138	0.1	1.6	24.8	53.8	1013.7	0
21/03/2020 14:00	91	0.7	2.7	25.9	50.7	1013.7	0
21/03/2020 14:30	144	0.3	3.2	24.7	52.7	1013.6	0
21/03/2020 15:00	99	0.4	1.9	24.7	51.4	1013.5	0
21/03/2020 15:30	85	0.7	2.6	24.8	52.3	1013.4	0
21/03/2020 16:00	100	0.2	1.4	23.8	55.7	1013.2	0
21/03/2020 16:30	113	0.4	2.1	22.6	59.5	1013.3	0
21/03/2020 17:00	139	0.4	2.2	22.1	61.9	1013.6	0
21/03/2020 17:30	101	0.1	1	21.5	64.7	1013.9	0
21/03/2020 18:00	92	0.2	1.7	21.3	65.4	1013.6	0
21/03/2020 18:30	102	0.5	1.6	20.9	67	1014	0
21/03/2020 19:00	133	0.2	1.4	20.8	67.5	1014.3	0
21/03/2020 19:30	128	0.1	1.3	20.9	66.8	1014.7	0
21/03/2020 20:00	88	0.2	0.8	21	66.6	1015	0
21/03/2020 20:30	130	0.1	1	20.9	67.3	1015.3	0
21/03/2020 21:00	184	0.5	0.9	21	68	1015.4	0
21/03/2020 21:30	121	0.1	0.3	21.2	69.1	1015.3	0
21/03/2020 22:00	263	0.1	0.2	20.8	70.5	1015.3	0
21/03/2020 22:30	306	0	0.2	20.6	69.9	1015.5	0
21/03/2020 23:00	169	0	0.5	20.5	70	1015.3	0
21/03/2020 23:30	224	0	0.2	20.1	72.1	1015.3	0
22/03/2020 0:00	181	0	0.1	19.7	73.5	1014.9	0
22/03/2020 0:30	281	0	0.2	19.5	73.8	1014.6	0
22/03/2020 1:00	339	0.1	0.3	19.7	74.1	1014.4	0
22/03/2020 1:30	152	0	0.2	19.6	79	1014	0
22/03/2020 2:00	99	0	0.2	19	79.2	1013.6	0
22/03/2020 2:30	260	0	0.2	18	82.1	1013.2	0
22/03/2020 3:00	137	0.1	0.3	18	86.2	1013.3	0
22/03/2020 3:30	334	0.2	0.3	18.3	82.7	1012.9	0
22/03/2020 4:00	334	0	0.4	18.4	83.8	1012.6	0
22/03/2020 4:30	207	0	0.2	18.7	83.3	1012.8	0
22/03/2020 5:00	198	0.1	0.2	18.1	85.4	1012.7	0
22/03/2020 5:30	210	0	0.2	17.5	87.1	1012.6	0
22/03/2020 6:00	186	0	0.3	17.1	89.1	1012.7	0
22/03/2020 6:30	193	0.2	0.4	17.1	90.3	1012.8	0
22/03/2020 7:00	254	0	0.2	18.4	89.7	1012.9	0
22/03/2020 7:30	329	0	0.3	19.9	80.5	1013	0
22/03/2020 8:00	12	0.2	0.9	20.8	74.5	1013.1	0
22/03/2020 8:30	322	0.1	0.5	21.5	71.3	1012.9	0
22/03/2020 9:00	9	0.1	0.9	22.4	65.8	1012.8	0
22/03/2020 9:30	269	0.1	0.5	24	62.3	1012.6	0
22/03/2020 10:00	51	0.2	0.8	24.3	60.5	1012.4	0
22/03/2020 10:30	58	0	0.5	25.5	52.3	1012.4	0
22/03/2020 11:00	338	0.2	1.5	25.4	51.1	1012	0
22/03/2020 11:30	42	0.2	1.1	27.2	41.8	1011.7	0
22/03/2020 12:00	332	0.1	0.5	27.9	36.3	1011.3	0
22/03/2020 12:30	261	0.2	0.8	28.3	34.7	1011.1	0
22/03/2020 13:00	289	0.1	1	28.8	33.5	1010.8	0
22/03/2020 13:30	292	0.1	0.5	29.6	30.3	1010.5	0
22/03/2020 14:00	127	0.1	0.8	30.1	31	1010.3	0
22/03/2020 14:30	102	0.1	0.7	30.5	29.3	1010.1	0
22/03/2020 15:00	182	0	0.8	30.9	26.1	1009.9	0
22/03/2020 15:30	136	0.7	3.1	28.5	37.5	1010.1	0
22/03/2020 16:00	134	0.4	2.7	27.2	41.5	1010.7	0
22/03/2020 16:30	131	0.8	2.8	25.9	44.6	1011.1	0
22/03/2020 17:00	132	0.4	2.4	24.7	46.4	1011.5	0
22/03/2020 17:30	150	1.6	4.1	23.1	58.8	1012.2	0
22/03/2020 18:00	139	0.6	2	22	69.1	1012.8	0
22/03/2020 18:30	138	0.1	3.5	21.8	70.8	1013.7	0
22/03/2020 19:00	151	0.5	3.4	21.3	70.4	1014.5	0
22/03/2020 19:30	139	1.4	3.5	21.2	68.1	1015.4	0
22/03/2020 20:00	133	0.6	3.3	21	65.7	1016	0
22/03/2020 20:30	137	0.8	1.9	21	62.3	1016.6	0
22/03/2020 21:00	131	0.6	2.3	20.9	61.5	1017	0
22/03/2020 21:30	157	0.5	1.8	20.7	62.4	1017.2	0
22/03/2020 22:00	167	0.2	0.9	20.6	62.4	1017.2	0
22/03/2020 22:30	155	1	2	20.6	62.5	1017.2	0
22/03/2020 23:00	151	1.2	3.2	20.7	63.2	1017.4	0
22/03/2020 23:30	138	0	1.8	20.3	65	1017.7	0



23/03/2020 0:00	137	0.9	3.1	19.3	71.1	1017.9	0	
23/03/2020 0:30	150	0.5	1.5	18.6	71.6	1017.8	0	
23/03/2020 1:00	149	0.2	1.6	18.8	68.7	1017.9	0	
23/03/2020 1:30	175	0.3	1.3	18.7	70.5	1017.9	0	
23/03/2020 2:00	152	0.4	1.5	18.7	70.8	1017.9	0	
23/03/2020 2:30	167	0.4	1.8	18.8	67.3	1017.9	0	
23/03/2020 3:00	170	1.1	2.6	18.8	62.7	1017.9	0	
23/03/2020 3:30	141	0	0.6	18.5	63.5	1017.7	0	
23/03/2020 4:00	182	0.8	2.3	18.6	61.4	1017.8	0	
23/03/2020 4:30	183	0.8	1.9	18.6	61.5	1017.9	0	
23/03/2020 5:00	163	0.2	1.1	18.6	61.2	1018.3	0	
23/03/2020 5:30	180	0.4	1.9	18.2	61	1018.5	0	
23/03/2020 6:00	169	0.2	0.9	17.9	62.6	1018.7	0	
23/03/2020 6:30	200	0	0.5	18.2	60.5	1019.1	0.02	
23/03/2020 7:00	245	0	0.4	18.3	59.3	1019.5	0.02	
23/03/2020 7:30	180	0.1	1.1	18.8	57.4	1019.8	0.02	
23/03/2020 8:00	162	0.9	2.1	19.5	55	1020.2	0.02	
23/03/2020 8:30	156	1.1	2	18.9	55	1020.1	0.02	
23/03/2020 9:00	158	0.5	2	20.7	55	1020.2	0.02	0.02
23/03/2020 9:30	144	0.6	2.5	21.9	50.8	1020.2	0.01	
23/03/2020 10:00	145	1.4	2.6	22.1	49.9	1020.2	0.01	
23/03/2020 10:30	121	0.1	1.1	22.4	49.5	1020	0.01	
23/03/2020 11:00	139	0.6	2.5	21.6	53.5	1019.9	0.01	
23/03/2020 11:30	125	0.2	1.5	21.9	51.9	1019.6	0.01	
23/03/2020 12:00	114	0.2	1.8	22.8	49.4	1019.5	0.01	
23/03/2020 12:30	135	0.4	2.3	23.4	49	1019.1	0.01	
23/03/2020 13:00	113	0.2	1.7	22	54.5	1018.8	0.01	
23/03/2020 13:30	147	0.3	2.7	22.6	50	1018.5	0.01	
23/03/2020 14:00	122	0.2	2.5	23.5	47.4	1018.2	0.01	
23/03/2020 14:30	129	0.1	1.9	21.9	54.3	1018.1	0.01	
23/03/2020 15:00	136	0.7	2.3	22.1	53.5	1018.2	0.01	
23/03/2020 15:30	153	0.2	2	21.5	56.1	1018	0.01	
23/03/2020 16:00	139	0.6	2.6	21.7	56.5	1018.1	0.01	
23/03/2020 16:30	95	0.3	1.9	21.1	60.2	1018	0.01	
23/03/2020 17:00	135	0.3	2.4	20.3	63.3	1018.3	0.01	
23/03/2020 17:30	162	0.2	1.3	19.7	63.3	1018.7	0.01	
23/03/2020 18:00	118	0.4	1.7	19.7	65.7	1018.9	0.01	
23/03/2020 18:30	141	0.4	2	19.3	71.1	1019.2	0.01	
23/03/2020 19:00	148	0.6	1.3	18.8	70.9	1019.3	0.01	
23/03/2020 19:30	146	0.8	1.5	18.5	73.8	1019.5	0.01	
23/03/2020 20:00	166	0.3	0.8	18.3	74.5	1020	0.01	
23/03/2020 20:30	197	0	0.6	18.6	73.4	1020.1	0.01	
23/03/2020 21:00	185	0.8	1.4	18.6	71.7	1020.2	0.01	
23/03/2020 21:30	193	0.1	0.6	18.7	72.1	1020.2	0.01	
23/03/2020 22:00	109	0	0.1	18.6	76.9	1020.2	0.01	
23/03/2020 22:30	229	0.2	0.3	17.8	76.9	1020.1	0.01	
23/03/2020 23:00	178	0	0.2	17.1	80.2	1019.8	0.01	
23/03/2020 23:30	144	0.1	0.3	16.8	83.6	1019.7	0.01	
24/03/2020 0:00	198	0.1	0.7	16.8	81.2	1019.6	0.01	
24/03/2020 0:30	202	0.3	0.8	16.9	78.9	1019.5	0.01	
24/03/2020 1:00	176	0.5	1	16.4	78.9	1019	0.01	
24/03/2020 1:30	168	0.3	0.5	15.9	83.6	1018.8	0.01	
24/03/2020 2:00	254	0	0.1	16.1	82	1018.5	0.01	
24/03/2020 2:30	158	0	0.2	15.6	84.3	1018.3	0.01	
24/03/2020 3:00	354	0	0.2	15.5	85.1	1018.2	0.02	
24/03/2020 3:30	190	0.1	0.5	15.5	86	1018.1	0.02	
24/03/2020 4:00	158	0.3	0.5	16.3	86.7	1017.9	0.02	
24/03/2020 4:30	245	0	0.3	16.3	81.6	1017.7	0.02	
24/03/2020 5:00	154	0	0.2	16.3	85.3	1018.2	0.02	
24/03/2020 5:30	193	0	0.1	16.3	85.5	1018.2	0.02	
24/03/2020 6:00	214	0	0.1	16.1	84.5	1018.1	0.04	
24/03/2020 6:30	130	0	0.2	16.2	84.9	1018.2	0.05	
24/03/2020 7:00	207	0	0.2	17.2	82.5	1018.6	0.05	
24/03/2020 7:30	332	0.1	0.4	18.4	76.1	1018.8	0.05	
24/03/2020 8:00	72	0.2	0.5	18.7	74.5	1018.8	0.05	
24/03/2020 8:30	109	0.1	0.7	19.3	70.5	1018.9	0.05	
24/03/2020 9:00	82	0	1	20	70.1	1018.9	0.05	0.05
24/03/2020 9:30	44	0.1	1.5	19.9	71	1018.8	0	
24/03/2020 10:00	53	0.6	1.8	19.9	71.5	1018.6	0	
24/03/2020 10:30	319	0.3	0.9	20.8	69.6	1018.5	0	
24/03/2020 11:00	105	0	0.2	20.2	76.5	1018.1	0.02	
24/03/2020 11:30	313	0	0.4	21.3	64.3	1017.9	0.02	
24/03/2020 12:00	130	0.1	0.4	22.2	62.7	1017.4	0.02	
24/03/2020 12:30	95	0.1	0.9	22.9	58.1	1016.9	0.02	
24/03/2020 13:00	80	0.8	2.2	22.9	61.2	1016.5	0.02	
24/03/2020 13:30	84	0.6	1.8	21.1	69.1	1016.1	0.02	
24/03/2020 14:00	63	0.3	1.7	21.9	67.6	1015.8	0.03	
24/03/2020 14:30	78	0.4	1.4	22	67.6	1015.4	0.03	
24/03/2020 15:00	67	0.7	2.7	21.8	67.1	1015.2	0.03	
24/03/2020 15:30	68	0.4	2.2	22.1	64.4	1014.9	0.03	
24/03/2020 16:00	65	0.5	2.2	22.1	64.9	1014.9	0.03	
24/03/2020 16:30	80	0.7	1.6	21.9	65.5	1015	0.03	
24/03/2020 17:00	74	0.5	2.4	21.8	67.1	1015.2	0.03	
24/03/2020 17:30	74	0.3	2	21.2	67.8	1015	0.03	
24/03/2020 18:00	84	0	1.6	21.3	68.1	1015	0.03	
24/03/2020 18:30	67	0.4	1.3	21.2	69.7	1015.2	0.03	
24/03/2020 19:00	63	0	0.6	20.9	72.4	1015.5	0.03	
24/03/2020 19:30	60	0.3	1.1	20.9	71.1	1015.8	0.03	
24/03/2020 20:00	88	0.1	0.6	20.9	71.4	1015.9	0.03	
24/03/2020 20:30	201	0	0.5	20.8	71.5	1016.1	0.03	
24/03/2020 21:00	242	0	0.4	20.7	71.5	1016.2	0.03	
24/03/2020 21:30	75	0	0.5	20.6	71.2	1016.1	0.03	
24/03/2020 22:00	221	0	0.3	20.4	72	1015.9	0.03	
24/03/2020 22:30	29	0.1	0.5	19.8	73.8	1015.7	0.05	
24/03/2020 23:00	5	0	0.4	19.8	72.5	1015.6	0.05	

24/03/2020 23:30	25	0	0.4	19.7	73.8	1015.2	0.05	
25/03/2020 0:00	1	0.1	1.2	19.8	72	1015	0.05	
25/03/2020 0:30	21	0.2	0.7	19.3	71.6	1015	0.05	
25/03/2020 1:00	161	0	0.1	19.3	75.2	1014.9	0.05	
25/03/2020 1:30	329	0	0.4	19.3	75.9	1014.1	0.05	
25/03/2020 2:00	170	0	0.1	18.9	77.2	1013.7	0.05	
25/03/2020 2:30	186	0	0.1	18.4	80.5	1013.2	0.05	
25/03/2020 3:00	45	0	0.2	17.9	81.8	1012.7	0.05	
25/03/2020 3:30	182	0	0.2	17.9	80.2	1012.7	0.06	
25/03/2020 4:00	182	0	0.3	17.6	80.6	1012.8	0.06	
25/03/2020 4:30	167	0	0.1	17.6	81	1012.9	0.06	
25/03/2020 5:00	310	0	0.3	17.1	82.5	1012.9	0.06	
25/03/2020 5:30	236	0	0.1	17	84.5	1013	0.06	
25/03/2020 6:00	212	0	0.2	16.8	86.1	1012.8	0.06	
25/03/2020 6:30	204	0	0.2	16.8	87.3	1012.9	0.06	
25/03/2020 7:00	331	0.1	0.5	17.9	80.8	1013.2	0.06	
25/03/2020 7:30	321	0.1	0.8	19.4	74.8	1013.5	0.06	
25/03/2020 8:00	27	0	0.4	19.6	75.1	1013.5	0.06	
25/03/2020 8:30	263	0	0.4	19.7	76.4	1013.4	0.06	
25/03/2020 9:00	46	0	0.5	20.6	71.9	1013.2	0.06	0.06
25/03/2020 9:30	326	0	0.6	20.6	73.9	1013.2	0	
25/03/2020 10:00	332	0.2	0.6	20.9	71.9	1013.3	0	
25/03/2020 10:30	338	0.2	0.9	21.5	73.5	1013.5	0.01	
25/03/2020 11:00	55	0.1	1.2	22.2	67.4	1013	0.01	
25/03/2020 11:30	83	0.5	1.3	24.9	55.6	1012.6	0.01	
25/03/2020 12:00	119	0.1	0.9	26.3	54.9	1012.5	0.01	
25/03/2020 12:30	111	0.2	1.8	25.7	54.7	1012.4	0.01	
25/03/2020 13:00	132	0.2	1.3	27.5	47.8	1012.2	0.01	
25/03/2020 13:30	138	0.9	2.3	26.9	51.1	1011.9	0.01	
25/03/2020 14:00	140	0.6	2.7	24.4	62.2	1012	0.01	
25/03/2020 14:30	134	0.6	2.6	22.6	68.9	1012	0.01	
25/03/2020 15:00	142	1.2	3.2	20.5	83.5	1012.2	3.34	
25/03/2020 15:30	138	0.2	1.6	19.6	88.7	1012.6	7.22	
25/03/2020 16:00	157	0.1	1.5	19.6	89.2	1013	7.55	
25/03/2020 16:30	148	0.1	0.9	19.8	89.4	1013.2	7.81	
25/03/2020 17:00	154	0.4	0.8	19.8	89.8	1013.8	8.75	
25/03/2020 17:30	200	0.4	0.9	19.6	90.1	1014.1	9.04	
25/03/2020 18:00	158	0.5	1.2	19.4	90.2	1014.3	9.65	
25/03/2020 18:30	173	0	0.6	19.4	90.5	1014.9	10.13	
25/03/2020 19:00	135	0.2	1.2	19.3	90.3	1015.1	10.26	
25/03/2020 19:30	161	0.5	0.9	19.3	90.7	1015.5	10.42	
25/03/2020 20:00	140	0	0.6	19.3	90.6	1016	10.73	
25/03/2020 20:30	133	0.6	1	19.2	90	1016.2	10.77	
25/03/2020 21:00	179	0.2	1.3	19.2	90.5	1016.2	10.77	
25/03/2020 21:30	148	0.3	1.1	19.1	89.5	1016.2	10.86	
25/03/2020 22:00	154	0.2	0.7	19.1	89.8	1016.3	10.91	
25/03/2020 22:30	167	0	0.9	19	89.8	1016.3	10.92	
25/03/2020 23:00	196	0	0.3	18.9	89.6	1016.4	10.92	
25/03/2020 23:30	147	0.3	1.2	18.8	89.4	1016.5	10.96	
26/03/2020 0:00	189	0.1	1.5	18.7	89.5	1016.5	10.98	
26/03/2020 0:30	154	0.1	1.3	18.1	88.6	1016.6	11.02	
26/03/2020 1:00	167	0.3	1.9	17.7	87.3	1016.6	11.02	
26/03/2020 1:30	154	0.1	1.4	17.1	87.4	1016.7	11.02	
26/03/2020 2:00	169	0.1	1.4	17.2	84.6	1016.7	11.02	
26/03/2020 2:30	168	0.3	2	17.2	82.6	1016.6	11.02	
26/03/2020 3:00	159	0.5	2	17.4	80.1	1016.7	11.02	
26/03/2020 3:30	165	0.1	2	17.4	79.2	1016.8	11.02	
26/03/2020 4:00	189	0.1	1.4	17.4	78.6	1016.9	11.02	
26/03/2020 4:30	155	0.2	0.9	17.3	79.6	1017.1	11.02	
26/03/2020 5:00	165	0.9	2.5	17.4	75.5	1017.5	11.02	
26/03/2020 5:30	153	0.2	1.1	17.3	75.4	1017.9	11.02	
26/03/2020 6:00	168	0.5	1.4	17.4	73	1018.4	11.02	
26/03/2020 6:30	165	0	0.7	17.5	71.6	1018.7	11.02	
26/03/2020 7:00	176	0.3	2.5	17.4	70	1019.2	11.02	
26/03/2020 7:30	12	0	0.7	17.4	70.1	1019.6	11.02	
26/03/2020 8:00	166	0.3	1.2	17.4	72.9	1020	11.02	
26/03/2020 8:30	58	0	0.4	17.5	72.3	1020.4	11.11	
26/03/2020 9:00	178	0.5	1.5	18	68.3	1020.7	11.11	11.11
26/03/2020 9:30	196	0.1	1.1	18.1	66.2	1020.8	0	
26/03/2020 10:00	173	0.1	0.4	18.4	67.7	1020.9	0.03	
26/03/2020 10:30	160	0.5	2.1	19.3	64.3	1020.8	0.03	
26/03/2020 11:00	158	0.1	0.8	20	61.8	1020.8	0.03	
26/03/2020 11:30	132	0.1	2.7	21.3	58	1020.5	0.03	
26/03/2020 12:00	154	0.7	2.6	22.7	53	1020.2	0.03	
26/03/2020 12:30	178	0.1	2.3	21.5	57.3	1020.2	0.03	
26/03/2020 13:00	152	0.2	1.8	21.8	59.3	1020	0.03	
26/03/2020 13:30	123	0.3	2.3	22.9	54	1019.7	0.03	
26/03/2020 14:00	134	0.6	2.4	22.7	55.3	1019.6	0.03	
26/03/2020 14:30	167	0.3	2.3	21.9	56.8	1019.5	0.03	
26/03/2020 15:00	141	0.2	2	21.9	57.2	1019.4	0.03	
26/03/2020 15:30	157	0.2	1.8	21	60.2	1019.4	0.03	
26/03/2020 16:00	144	0.1	1.5	20	66.2	1019.4	0.03	
26/03/2020 16:30	188	0.1	1.3	19.9	68.9	1019.4	0.03	
26/03/2020 17:00	162	0.1	1	19.8	68.2	1019.4	0.03	
26/03/2020 17:30	170	0.5	0.8	19.3	69.9	1019.5	0.03	
26/03/2020 18:00	176	0.4	0.8	18.9	71.8	1019.5	0.03	
26/03/2020 18:30	142	0.9	1.5	18.8	73.5	1019.6	0.03	
26/03/2020 19:00	136	0.1	0.5	18.9	75.2	1019.8	0.03	
26/03/2020 19:30	178	0.5	1.4	18.8	76.1	1020.1	0.03	
26/03/2020 20:00	180	0.2	0.8	18.8	77.8	1020.4	0.03	
26/03/2020 20:30	179	0.7	1.5	18.4	80.9	1020.6	0.03	
26/03/2020 21:00	195	0.2	0.7	18.1	81.6	1020.6	0.03	
26/03/2020 21:30	169	0.2	0.7	17.6	84	1020.7	0.03	
26/03/2020 22:00	205	0	0.3	17.3	84.7	1020.7	0.03	
26/03/2020 22:30	199	0	0.5	16.7	85.9	1020.8	0.03	

26/03/2020 23:00	165	0.1	0.5	16.3	86.7	1020.5	0.03	
26/03/2020 23:30	148	0	0.3	16	87.3	1020.5	0.03	
27/03/2020 0:00	179	0.4	1.4	15.7	88.9	1020.3	0.03	
27/03/2020 0:30	141	0	0.2	16.1	86.8	1020.1	0.03	
27/03/2020 1:00	126	0.2	0.3	16.7	87.3	1020	0.03	
27/03/2020 1:30	178	0.8	1.6	17.1	84.9	1019.9	0.03	
27/03/2020 2:00	1	0	0.3	17.1	87.4	1019.8	0.56	
27/03/2020 2:30	152	0.5	0.8	16.9	89.6	1019.7	0.65	
27/03/2020 3:00	333	0	0.3	16.9	90.5	1019.5	0.7	
27/03/2020 3:30	345	0	0.1	16.9	90.5	1019.4	0.74	
27/03/2020 4:00	142	0	0.2	16.9	90.7	1019.3	0.74	
27/03/2020 4:30	183	0	0.1	16.9	90.8	1019.5	0.85	
27/03/2020 5:00	216	0	0.3	17	91.3	1019.5	0.85	
27/03/2020 5:30	204	0.1	0.4	17.1	91.3	1019.8	0.85	
27/03/2020 6:00	181	0.8	1.5	17	90.8	1020.2	0.85	
27/03/2020 6:30	217	0.1	0.4	17.1	90.5	1020.5	0.85	
27/03/2020 7:00	194	0	0.3	17.4	90.7	1020.8	0.85	
27/03/2020 7:30	170	0.1	0.8	17.8	89.1	1021	0.85	
27/03/2020 8:00	157	0.4	1.1	18.4	79.9	1021.5	0.85	
27/03/2020 8:30	153	0.1	0.7	20.2	70.6	1021.7	0.85	
27/03/2020 9:00	134	0.1	1.5	21.3	61.2	1021.8	0.85	0.85
27/03/2020 9:30	138	0.4	2.1	21.3	55.8	1021.9	0	
27/03/2020 10:00	147	0.8	2.2	21.7	51.3	1021.9	0	
27/03/2020 10:30	108	0.2	2	22.4	51.5	1021.7	0	
27/03/2020 11:00	147	1	2	22.9	45.9	1021.5	0	
27/03/2020 11:30	123	0.4	2	22.4	48.3	1021.3	0	
27/03/2020 12:00	131	0.1	0.8	22.6	44.6	1021.1	0	
27/03/2020 12:30	56	0	0.5	22.7	46.6	1020.8	0	
27/03/2020 13:00	83	1	2.4	23.2	44.4	1020.3	0	
27/03/2020 13:30	138	0.1	1.4	23.7	43.8	1019.9	0	
27/03/2020 14:00	145	2	3.2	23.2	45.7	1019.9	0	
27/03/2020 14:30	138	1	2.2	23.1	45.1	1019.8	0	
27/03/2020 15:00	130	0.7	2.4	22.4	46.5	1019.7	0	
27/03/2020 15:30	152	1.5	3.1	22.6	44.2	1019.5	0	
27/03/2020 16:00	136	0.9	2.4	22.4	47.3	1019.4	0	
27/03/2020 16:30	122	0.1	1.2	21.5	51.1	1019.4	0	
27/03/2020 17:00	146	0.1	1.2	21.3	55.5	1019.4	0	
27/03/2020 17:30	143	1.2	2.1	20.8	57.1	1019.7	0	
27/03/2020 18:00	133	0.5	1.3	20.5	56.7	1019.7	0	
27/03/2020 18:30	130	0.4	1.6	20.1	56.3	1020	0.01	
27/03/2020 19:00	132	0.6	1.2	19.8	56.3	1020.2	0.01	
27/03/2020 19:30	207	0.2	0.5	18.9	60.4	1020.5	0.04	
27/03/2020 20:00	210	0	0.2	17.7	66.2	1020.6	0.04	
27/03/2020 20:30	164	0.1	0.3	16.5	74.8	1020.7	0.04	
27/03/2020 21:00	209	0	0.1	16.1	80.1	1020.7	0.04	
27/03/2020 21:30	125	0	0.2	15.4	81.6	1020.6	0.04	
27/03/2020 22:00	229	0	0.1	14.8	84.1	1020.5	0.04	
27/03/2020 22:30	165	0	0.1	14.6	86.6	1020.4	0.04	
27/03/2020 23:00	212	0.1	0.3	14.4	86.6	1020.2	0.04	
27/03/2020 23:30	97	0	0.2	15.5	86	1020.1	0.04	
28/03/2020 0:00	202	0	0.2	15.6	81.1	1019.9	0.04	
28/03/2020 0:30	168	0	0.3	16.4	79.5	1019.5	0.04	
28/03/2020 1:00	220	0	0.2	15.8	81	1019.4	0.04	
28/03/2020 1:30	185	0	0.1	16.2	80.6	1019.3	0.04	
28/03/2020 2:00	348	0	0.1	16	83.3	1019.1	0.04	
28/03/2020 2:30	213	0.2	0.3	16.2	82.6	1018.8	0.04	
28/03/2020 3:00	229	0	0.1	16	82.9	1018.5	0.04	
28/03/2020 3:30	332	0.3	0.4	15.4	84.3	1018.4	0.04	
28/03/2020 4:00	158	0	0.1	14.5	86.4	1018.4	0.04	
28/03/2020 4:30	201	0	0.1	14.5	87.7	1018.6	0.04	
28/03/2020 5:00	239	0	0.2	14.3	88.2	1018.7	0.04	
28/03/2020 5:30	263	0.1	0.2	13.9	88.7	1018.8	0.04	
28/03/2020 6:00	318	0	0.3	13.7	89.5	1019.2	0.04	
28/03/2020 6:30	130	0.1	0.2	13.8	90.7	1019.2	0.04	
28/03/2020 7:00	329	0	0.2	14.5	89.7	1019.5	0.04	
28/03/2020 7:30	356	0.2	0.4	17.3	78.8	1019.8	0.04	
28/03/2020 8:00	38	0.1	0.6	19.2	70.3	1020	0.04	
28/03/2020 8:30	56	0	0.7	20.6	64	1020.1	0.04	
28/03/2020 9:00	163	0.6	1	21.4	62.8	1020.1	0.04	0.04
28/03/2020 9:30	338	0.1	0.8	21.6	63.6	1019.9	0	
28/03/2020 10:00	357	0	0.3	21.9	60.6	1019.7	0	
28/03/2020 10:30	131	0.1	0.9	23.2	52.8	1019.6	0	
28/03/2020 11:00	92	0.1	0.8	23.1	49.4	1019.4	0	
28/03/2020 11:30	71	0.5	2.3	23.1	50.6	1019	0	
28/03/2020 12:00	138	0.2	1.3	23.9	46.1	1018.6	0	
28/03/2020 12:30	90	0	0.6	23.4	46	1018	0	
28/03/2020 13:00	103	0.2	1.9	23.3	46.3	1017.6	0	
28/03/2020 13:30	121	0.1	0.7	23.9	45.2	1017.2	0	
28/03/2020 14:00	65	0.1	1.7	23.3	48.5	1017	0	
28/03/2020 14:30	80	0.4	2.2	23.3	48.6	1016.7	0	
28/03/2020 15:00	78	0.6	1.5	23.3	48.3	1016.6	0	
28/03/2020 15:30	75	0.6	1.8	22.9	48.1	1016.5	0	
28/03/2020 16:00	57	0.2	1.3	23	50.3	1016.5	0	
28/03/2020 16:30	53	0.2	2.3	22.5	52.1	1016.5	0	
28/03/2020 17:00	81	0.6	1.7	22.4	52.1	1016.6	0	
28/03/2020 17:30	72	0.1	1.1	21.6	58.8	1016.7	0	
28/03/2020 18:00	71	0.3	1.3	20.4	69.3	1017	0	
28/03/2020 18:30	137	0.1	0.7	19.1	80.9	1017	0	
28/03/2020 19:00	150	0.7	1.3	18.7	85.5	1017.2	0	
28/03/2020 19:30	194	0.2	0.8	18.2	87.2	1017.3	0	
28/03/2020 20:00	188	0.4	1.2	18.1	88.7	1017.2	0	
28/03/2020 20:30	73	0	0.5	18.1	88.4	1017.4	0	
28/03/2020 21:00	242	0	0.1	18.1	89.2	1017.4	0	
28/03/2020 21:30	265	0	0.2	17.8	89.8	1017.3	0	
28/03/2020 22:00	234	0.1	0.5	17.7	90.2	1017.1	0	



28/03/2020 22:30	260	0	0.1	17.6	90.5	1017	0	
28/03/2020 23:00	274	0	0.2	17.6	90.4	1016.7	0	
28/03/2020 23:30	34	0.2	0.5	17.5	90.7	1016.5	0	
29/03/2020 0:00	172	0	0.2	17.6	91.1	1016.3	0.03	
29/03/2020 0:30	219	0	0.2	17.6	91.1	1016	0.03	
29/03/2020 1:00	39	0	0.2	17.5	91	1015.6	0.03	
29/03/2020 1:30	209	0	0.2	17.5	90.9	1015.3	0.03	
29/03/2020 2:00	155	0	0.2	17.1	91.2	1015	0.03	
29/03/2020 2:30	37	0.2	0.5	17.3	91.8	1014.9	0.06	
29/03/2020 3:00	223	0.4	0.5	17.5	91.7	1014.5	0.1	
29/03/2020 3:30	202	0	0.2	17.5	91.8	1014.4	0.1	
29/03/2020 4:00	169	0	0.2	17.5	92.3	1014.4	0.1	
29/03/2020 4:30	188	0	0.1	17.5	91.7	1014.2	0.1	
29/03/2020 5:00	332	0	0.3	17.5	91.8	1014.2	0.1	
29/03/2020 5:30	130	0	0.1	17.8	92	1014.3	0.1	
29/03/2020 6:00	235	0	0.2	17.8	92	1014.6	0.1	
29/03/2020 6:30	122	0.1	0.2	17.7	92.2	1014.7	0.1	
29/03/2020 7:00	223	0.5	0.8	18.2	92.1	1014.9	0.11	
29/03/2020 7:30	247	0	0.3	18.7	91.5	1015	0.11	
29/03/2020 8:00	198	0	0.3	19.2	87.5	1015.2	0.11	
29/03/2020 8:30	10	0.1	0.6	20.6	81.9	1015.3	0.11	
29/03/2020 9:00	1	0.1	0.4	20.9	78.7	1015.3	0.11	0.11
29/03/2020 9:30	338	0.1	0.7	20.8	78.2	1015.4	0	
29/03/2020 10:00	54	0.8	1.7	21.2	76.7	1015.3	0	
29/03/2020 10:30	42	0.3	1.6	21.8	74.5	1015	0	
29/03/2020 11:00	31	0.2	0.9	21.8	73.7	1014.5	0	
29/03/2020 11:30	7	0.1	1.7	22.5	66.9	1014.3	0	
29/03/2020 12:00	338	0.2	1	23.2	62.9	1013.6	0	
29/03/2020 12:30	47	0.2	1.4	23.5	63	1013.1	0	
29/03/2020 13:00	263	0.1	0.5	23.7	60.6	1012.4	0	
29/03/2020 13:30	343	0.2	1.3	24.9	59.9	1011.8	0	
29/03/2020 14:00	85	0.2	1.7	25.6	54	1011.3	0	
29/03/2020 14:30	348	0.1	1.3	25.2	56.5	1010.9	0	
29/03/2020 15:00	28	0.3	2.2	25.5	58.6	1010.7	0	
29/03/2020 15:30	14	0.1	1	25.4	55.8	1010.4	0	
29/03/2020 16:00	44	0.1	0.9	25.5	58.3	1010.2	0	
29/03/2020 16:30	31	0.2	1.6	25.3	62.1	1010	0	
29/03/2020 17:00	61	0.3	2	24.2	67.7	1010	0	
29/03/2020 17:30	54	0.8	2.2	23.6	71.1	1010.5	0	
29/03/2020 18:00	82	0.2	1.3	22.9	73.3	1010.6	0	
29/03/2020 18:30	76	0.4	2	22.3	74.2	1010.5	0	
29/03/2020 19:00	58	0.3	1.4	22	75.4	1010.9	0	
29/03/2020 19:30	38	0	1.1	21.7	76.4	1010.9	0	
29/03/2020 20:00	72	0	0.4	21.5	77.6	1011.1	0	
29/03/2020 20:30	300	0	0.2	21.1	79.9	1011.2	0	
29/03/2020 21:00	206	0	0.2	20.7	81.7	1011.3	0	
29/03/2020 21:30	148	0	0.2	20.4	84.1	1011.1	0	
29/03/2020 22:00	5	0	0.1	19.6	85.2	1010.7	0	
29/03/2020 22:30	221	0	0.1	19.7	86.8	1010.5	0	
29/03/2020 23:00	267	0	0.3	20.1	86.1	1010	0	
29/03/2020 23:30	167	0	0.2	19.8	86.7	1009.6	0	
30/03/2020 0:00	203	0.1	0.3	19.7	87.9	1009.5	0	
30/03/2020 0:30	319	0	0.2	19.2	88.2	1009.3	0	
30/03/2020 1:00	117	0	0.3	18.9	89.7	1009.1	0	
30/03/2020 1:30	180	0	0.1	19	90.1	1008.9	0	
30/03/2020 2:00	231	0	0.2	19	90.1	1008.9	0	
30/03/2020 2:30	59	0	0.3	19	90.2	1008.5	0	
30/03/2020 3:00	68	0	0.3	19.1	89.1	1008.2	0.01	
30/03/2020 3:30	150	0.9	1.1	19.6	89.1	1008	0.08	
30/03/2020 4:00	226	0.1	0.3	19.4	89.8	1008	0.22	
30/03/2020 4:30	278	0	0.2	19.3	90.2	1008.3	0.26	
30/03/2020 5:00	119	0.1	0.4	19.6	90.4	1008.1	0.28	
30/03/2020 5:30	347	0	0.2	19.4	90.3	1008	0.28	
30/03/2020 6:00	12	0.1	0.6	19.5	90.7	1008.2	0.35	
30/03/2020 6:30	31	0.1	1.2	19.4	91.3	1008.1	0.45	
30/03/2020 7:00	55	0.1	1.3	19.5	91.8	1007.7	0.52	
30/03/2020 7:30	93	0.1	0.5	19.4	90.6	1008.5	0.52	
30/03/2020 8:00	331	0	0.3	19.4	90.4	1008.8	0.52	
30/03/2020 8:30	33	0.2	1.1	19.8	90.4	1008.6	0.52	
30/03/2020 9:00	308	0	0.3	19.8	89.5	1008.8	0.52	0.52
30/03/2020 9:30	345	0.7	1.8	19.9	86.9	1008.7	0	
30/03/2020 10:00	43	0	0.8	20.5	84.6	1008.6	0.01	
30/03/2020 10:30	105	0.2	0.9	20.8	81.2	1008.3	0.01	
30/03/2020 11:00	331	0.1	0.7	21.2	76.4	1008.3	0.01	
30/03/2020 11:30	220	0	0.2	21.8	77.6	1008.3	0.01	
30/03/2020 12:00	328	0	0.4	21.9	75.5	1008	0.01	
30/03/2020 12:30	332	0	0.6	21.9	72.5	1007.5	0.01	
30/03/2020 13:00	348	0.1	0.7	23	72	1007.3	0.01	
30/03/2020 13:30	8	0.1	1	23.5	71	1006.8	0.02	
30/03/2020 14:00	302	0.1	1.3	25.5	59	1006	0.02	
30/03/2020 14:30	308	0	0.5	25.4	61.6	1006.7	0.02	
30/03/2020 15:00	0	0.1	1	25	63.8	1006.4	0.02	
30/03/2020 15:30	298	0	0.3	24.3	62.9	1006.2	0.02	
30/03/2020 16:00	341	0	0.3	24.3	63	1006	0.02	
30/03/2020 16:30	303	0	0.4	24.6	67.5	1005.9	0.02	
30/03/2020 17:00	282	0	0.1	24.6	65.8	1006	0.02	
30/03/2020 17:30	12	0.1	0.5	24.5	64.3	1006	0.02	
30/03/2020 18:00	232	0	0.3	23.1	74.2	1006.3	0.02	
30/03/2020 18:30	0	0	0.3	21.4	80.6	1006.4	0.02	
30/03/2020 19:00	196	0	0.2	20.8	85.6	1007.1	0.02	
30/03/2020 19:30	296	0	0.2	20.1	87.2	1007.1	0.02	
30/03/2020 20:00	198	0	0.2	19.5	87	1007.3	0.02	
30/03/2020 20:30	293	0	0.2	19.3	88.3	1007.3	0.02	
30/03/2020 21:00	192	0	0.3	20	85.4	1007.5	0.02	
30/03/2020 21:30	264	0	0.5	19.8	85	1007.7	0.02	

30/03/2020 22:00	122	0	0.3	19.8	83.9	1007.7	0.02	
30/03/2020 22:30	198	0	0.3	19	86.2	1007.8	0.02	
30/03/2020 23:00	206	0	0.3	18.8	88.2	1007.9	0.02	
30/03/2020 23:30	264	0	0.2	18.6	89.8	1007.8	0.02	
31/03/2020 0:00	275	0	0.2	18	89.9	1007.9	0.02	
31/03/2020 0:30	126	0.6	1	18	89.9	1008.2	0.02	
31/03/2020 1:00	152	0.7	0.8	17.9	90.3	1008.4	0.02	
31/03/2020 1:30	57	0.3	0.4	17.5	90.4	1008.4	0.02	
31/03/2020 2:00	226	0	0.2	16.9	90.6	1008.2	0.02	
31/03/2020 2:30	103	0	0.4	17.1	91.7	1008.2	0.02	
31/03/2020 3:00	204	0.3	0.4	17	91.2	1008.4	0.06	
31/03/2020 3:30	189	0	0.1	16.8	91.4	1008.5	0.06	
31/03/2020 4:00	128	0	0.2	16.8	90.3	1008.7	0.06	
31/03/2020 4:30	64	0	0.4	16.8	91.3	1008.9	0.06	
31/03/2020 5:00	194	0	0.2	16.6	90.6	1009.3	0.06	
31/03/2020 5:30	278	0	0.2	16.4	91.2	1009.4	0.06	
31/03/2020 6:00	198	0	0.1	16.4	91.4	1009.7	0.06	
31/03/2020 6:30	271	0	0.1	16.4	91.7	1010.2	0.06	
31/03/2020 7:00	130	0	0.1	17.1	92.4	1010.6	0.06	
31/03/2020 7:30	124	0	0.4	18.6	86.4	1010.8	0.06	
31/03/2020 8:00	344	0	0.7	20	80.1	1011.2	0.06	
31/03/2020 8:30	34	0.1	0.7	20.4	79.3	1011.6	0.06	
31/03/2020 9:00	354	0.2	1.2	22.1	73.4	1011.6	0.06	0.06
31/03/2020 9:30	348	0.9	1.8	23	68.6	1011.4	0	
31/03/2020 10:00	35	0.1	1.2	23.7	62.3	1011.4	0	
31/03/2020 10:30	314	0	0.4	25.5	57.3	1011.3	0	
31/03/2020 11:00	22	0.2	1	25.5	52.6	1011	0	
31/03/2020 11:30	182	0.2	2	26	52.5	1010.7	0	
31/03/2020 12:00	141	0.1	0.6	26.9	48.9	1010.3	0	
31/03/2020 12:30	165	1.1	1.9	27.3	47.3	1010	0.01	
31/03/2020 13:00	116	0.1	1.1	28.5	44.8	1009.8	0.01	
31/03/2020 13:30	83	0.4	1.6	29.2	40.2	1009.5	0.01	
31/03/2020 14:00	91	0.6	1.6	26.9	53.1	1009.4	0.01	
31/03/2020 14:30	139	0.1	0.7	27.1	56.1	1009.4	0.01	
31/03/2020 15:00	85	0.4	2.6	27.2	54.6	1009.3	0.01	
31/03/2020 15:30	106	0.4	2.3	26.5	54.8	1009.4	0.01	
31/03/2020 16:00	145	0.1	1.3	25.8	60.2	1009.6	0.01	
31/03/2020 16:30	135	0.2	1.7	25.1	62.9	1009.9	0.01	
31/03/2020 17:00	131	0.5	2	23.6	69.7	1010.3	0.01	
31/03/2020 17:30	136	0.2	1.6	22.9	71.9	1010.7	0.01	
31/03/2020 18:00	144	0.8	2.2	22.7	73.8	1011	0.01	
31/03/2020 18:30	140	0.2	1.2	22.3	77.6	1011.3	0.01	
31/03/2020 19:00	157	0.3	2.4	22	79.7	1011.7	0.01	
31/03/2020 19:30	142	1	1.4	22.1	79.3	1012.1	0.01	
31/03/2020 20:00	102	0.4	1.3	22.3	77	1012.6	0.01	
31/03/2020 20:30	159	0.1	0.7	21.9	78.2	1012.8	0.01	
31/03/2020 21:00	121	0	1	22	78.3	1013	0.01	
31/03/2020 21:30	75	0.2	0.8	21.9	78.2	1013	0.01	
31/03/2020 22:00	165	0.1	0.5	21.2	80.8	1013	0.01	
31/03/2020 22:30	164	0.4	0.7	21.2	81.6	1013.2	0.01	
31/03/2020 23:00	50	0	0.2	20.9	82.6	1013.2	0.01	
31/03/2020 23:30	206	0	0.1	20	85.6	1013.1	0.01	
1/04/2020 0:00	198	0.4	0.6	19.4	88	1013	0.01	
1/04/2020 0:30	183	0	0.2	18.8	88.8	1013	0.01	
1/04/2020 1:00	196	0.2	0.4	19	90	1013	0.01	
1/04/2020 1:30	116	0	0.1	19.1	89.1	1012.9	0.01	
1/04/2020 2:00	325	0	0.1	19.4	88.7	1012.7	0.01	
1/04/2020 2:30	213	0	0.2	19.2	89.1	1012.5	0.01	
1/04/2020 3:00	186	0.1	0.2	19.2	89.4	1012.4	0.01	
1/04/2020 3:30	122	0.1	0.5	19.3	89.9	1012.5	0.01	
1/04/2020 4:00	148	0.7	1	19.3	89.2	1012.5	0.01	
1/04/2020 4:30	116	0	0.2	19.3	88.8	1012.7	0.01	
1/04/2020 5:00	173	0	0.4	19.4	88.6	1012.8	0.01	
1/04/2020 5:30	144	0.3	0.5	19.3	89.4	1013	0.01	
1/04/2020 6:00	205	0	0.1	19.2	89.8	1013.2	0.01	
1/04/2020 6:30	210	0	0.2	18.8	90	1013.3	0.03	
1/04/2020 7:00	191	0.8	1.1	19.6	89.5	1013.7	0.03	
1/04/2020 7:30	155	0.4	1.1	20.2	88.1	1014	0.03	
1/04/2020 8:00	155	0.1	0.4	20.7	86.1	1014.4	0.03	
1/04/2020 8:30	334	0.2	1	20.7	86.5	1014.6	0.05	
1/04/2020 9:00	206	0.3	0.5	20.8	89.3	1014.6	0.28	0.28
1/04/2020 9:30	218	0	0.3	20.8	87.9	1014.7	0	
1/04/2020 10:00	268	0	0.5	20.7	87.8	1014.5	0	
1/04/2020 10:30	31	0.2	1	20.5	89.4	1014.4	0.05	
1/04/2020 11:00	78	0.5	1.3	20.4	89.1	1014.2	0.23	
1/04/2020 11:30	156	0	0.8	20.7	89.3	1013.7	0.25	
1/04/2020 12:00	92	0.2	1.2	20.9	85.1	1013.3	0.25	
1/04/2020 12:30	100	0.1	0.9	21.5	84	1012.9	0.25	
1/04/2020 13:00	83	0.2	1.1	21	88.1	1012.8	0.34	
1/04/2020 13:30	143	0	1	20.9	88.6	1012.5	0.34	
1/04/2020 14:00	210	0.5	0.7	20.9	88.1	1012	0.39	
1/04/2020 14:30	157	0.1	1.1	22.6	81.8	1011.8	0.39	
1/04/2020 15:00	148	0.1	1	25	69.6	1011.7	0.39	
1/04/2020 15:30	162	0.9	2.2	24.6	71.9	1011.5	0.39	
1/04/2020 16:00	86	0.2	2.4	24.5	69.8	1011.5	0.39	
1/04/2020 16:30	70	0.9	2.1	23.7	72.1	1011.5	0.39	
1/04/2020 17:00	83	0.3	1.4	23.4	73.2	1011.6	0.39	
1/04/2020 17:30	64	0.4	2.3	23	74.6	1011.8	0.39	
1/04/2020 18:00	83	0.3	1.2	22.5	78.6	1011.3	0.39	
1/04/2020 18:30	93	0.3	1.1	22.2	80.4	1011.6	0.39	
1/04/2020 19:00	69	0.2	1.4	22.2	80.3	1012.2	0.39	
1/04/2020 19:30	62	0.1	1.4	22.1	80.6	1012.6	0.39	
1/04/2020 20:00	105	0	0.3	21.9	82.1	1012.7	0.39	
1/04/2020 20:30	198	0	0.2	21.9	82.8	1012.7	0.39	
1/04/2020 21:00	181	0.1	0.4	21.5	83.6	1012.9	0.39	

1/04/2020 21:30	167	0	0.1	21.4	85.6	1012.8	0.39	
1/04/2020 22:00	187	0	0.1	21.3	85.7	1012.8	0.39	
1/04/2020 22:30	21	0	0.2	20.8	87	1012.7	0.39	
1/04/2020 23:00	132	0	0.1	20.6	88.5	1012.2	0.39	
1/04/2020 23:30	219	0	0.2	20.2	89.3	1011.9	0.39	
2/04/2020 0:00	161	0	0.1	19.9	90.1	1011.8	0.39	
2/04/2020 0:30	228	0	0.2	19.4	90.3	1011.7	0.39	
2/04/2020 1:00	212	0	0.1	19.1	91.1	1011.2	0.39	
2/04/2020 1:30	222	0.1	0.3	19	91.5	1010.9	0.39	
2/04/2020 2:00	246	0	0.3	18.5	91.4	1010.5	0.39	
2/04/2020 2:30	195	0	0.2	18.2	91.6	1010.3	0.39	
2/04/2020 3:00	292	0	0.1	17.9	91.7	1010	0.4	
2/04/2020 3:30	339	0	0.1	17.7	92.3	1009.6	0.4	
2/04/2020 4:00	205	0.2	0.4	17.7	92.2	1009.6	0.4	
2/04/2020 4:30	211	0	0.2	17.7	92.3	1009.5	0.4	
2/04/2020 5:00	142	0.1	0.3	17.4	92.1	1009.5	0.4	
2/04/2020 5:30	241	0	0.2	17.6	92.4	1009.4	0.4	
2/04/2020 6:00	233	0	0.2	17.4	92.2	1009.4	0.4	
2/04/2020 6:30	216	0	0.2	17.3	92.5	1009.3	0.4	
2/04/2020 7:00	5	0.1	0.4	17.9	93.1	1009.7	0.4	
2/04/2020 7:30	185	0	0.2	19.6	92.1	1009.7	0.4	
2/04/2020 8:00	81	0	0.6	19.7	91.2	1009.5	0.4	
2/04/2020 8:30	307	0	0.4	20.3	87.1	1009.4	0.4	
2/04/2020 9:00	319	0	0.5	20.6	84.8	1009.3	0.4	0.4
2/04/2020 9:30	308	0.1	0.6	20.9	82.2	1009.1	0	
2/04/2020 10:00	267	0.1	0.7	21.8	78.1	1008.8	0	
2/04/2020 10:30	60	0	0.7	22.1	73.9	1008.2	0	
2/04/2020 11:00	1	0.1	0.9	22.8	70.2	1007.7	0	
2/04/2020 11:30	333	0.1	1.1	23.6	66.5	1007	0	
2/04/2020 12:00	3	0	1	23.2	69.7	1006.9	0	
2/04/2020 12:30	248	0	0.2	23.4	69.9	1006.5	0	
2/04/2020 13:00	189	0	0.5	23.3	72.2	1006.3	0	
2/04/2020 13:30	261	0	0.1	22.7	80.6	1006.3	0.19	
2/04/2020 14:00	88	0.1	0.5	21.6	86.6	1005.9	0.71	
2/04/2020 14:30	343	0.1	0.8	21.3	88.1	1005.5	1.02	
2/04/2020 15:00	14	0.3	0.9	21.2	88	1005.4	1.25	
2/04/2020 15:30	58	0.1	2.2	21.2	88.9	1005.2	1.44	
2/04/2020 16:00	66	0.1	1.4	21.1	88.7	1005.1	1.88	
2/04/2020 16:30	55	0.1	1.1	20.7	88.3	1004.9	2	
2/04/2020 17:00	63	0.4	1.7	20.9	88.5	1004.8	2.06	
2/04/2020 17:30	65	0.2	1.3	20.4	89	1004.8	2.1	
2/04/2020 18:00	26	0.3	1.9	20.6	87.2	1004.8	2.12	
2/04/2020 18:30	22	0.3	2	20.5	87.6	1004.7	2.14	
2/04/2020 19:00	8	0.1	0.9	20.4	87.6	1004.8	2.14	
2/04/2020 19:30	38	0.1	1.7	20.3	87.5	1005	2.14	
2/04/2020 20:00	19	0.1	1.1	20.2	87.8	1005.1	2.14	
2/04/2020 20:30	3	0.2	1.8	20.1	88.4	1005.1	2.14	
2/04/2020 21:00	14	0.3	1.5	20	87.7	1004.9	2.14	
2/04/2020 21:30	352	0.1	0.5	19.9	87.7	1004.9	2.14	
2/04/2020 22:00	334	0	0.7	19.6	87.6	1005	2.14	
2/04/2020 22:30	2	0	0.6	19.7	87.9	1004.8	2.14	
2/04/2020 23:00	24	0.1	0.9	19.8	87.4	1004.6	2.14	
2/04/2020 23:30	325	0.1	1	19.7	87.2	1004.5	2.14	
3/04/2020 0:00	90	0	0.4	19.7	86.6	1004.5	2.14	
3/04/2020 0:30	240	0	0.4	19.3	87.3	1004.5	2.14	
3/04/2020 1:00	211	0	0.2	18.8	88.2	1004.4	2.14	
3/04/2020 1:30	225	0.1	0.4	18.4	89.5	1004.2	2.14	
3/04/2020 2:00	132	0.2	0.4	18.2	90.5	1003.9	2.14	
3/04/2020 2:30	235	0.1	0.2	17.7	90.6	1003.7	2.15	
3/04/2020 3:00	207	0	0.3	17.3	91.3	1003.4	2.15	
3/04/2020 3:30	356	0	0.4	17.6	92.1	1003.2	2.15	
3/04/2020 4:00	69	0	0.2	17.9	92.1	1003.2	2.15	
3/04/2020 4:30	242	0	0.2	17.8	91.4	1003.4	2.15	
3/04/2020 5:00	219	0	0.2	17.2	91.5	1003.6	2.15	
3/04/2020 5:30	224	0	0.1	17	91.6	1004	2.15	
3/04/2020 6:00	46	0	0.3	16.6	91.9	1004	2.15	
3/04/2020 6:30	294	0	0.2	16.7	92.7	1004.3	2.15	
3/04/2020 7:00	319	0	0.5	18	90.1	1004.5	2.15	
3/04/2020 7:30	30	0.3	1.4	19.2	84.8	1004.6	2.19	
3/04/2020 8:00	28	0.1	0.7	20.2	80.2	1004.7	2.19	
3/04/2020 8:30	338	0.1	1.1	21	73.6	1004.3	2.19	
3/04/2020 9:00	298	0.1	0.6	22.4	69.8	1004.4	2.19	2.19
3/04/2020 9:30	339	0.1	0.7	22.9	69.8	1004.4	0	
3/04/2020 10:00	247	0.1	0.4	23.2	71.3	1004.3	0	
3/04/2020 10:30	273	0	0.5	23.2	73.2	1004.4	0	
3/04/2020 11:00	12	0	0.9	23.2	68.7	1004.2	0	
3/04/2020 11:30	76	0	0.3	23.4	69.2	1003.4	0	
3/04/2020 12:00	12	0.1	0.9	23.6	69.3	1003	0	
3/04/2020 12:30	28	0	0.8	24.6	66.3	1002.1	0	
3/04/2020 13:00	334	0.9	1.3	25.1	58.7	1001.7	0	
3/04/2020 13:30	21	0.1	0.8	25.3	61.3	1001.1	0	
3/04/2020 14:00	48	0.1	1.1	25.6	57.6	1000.5	0	
3/04/2020 14:30	345	0	1.7	24.4	63.8	1000.4	0	
3/04/2020 15:00	33	0	1.9	23.4	71.3	1000.1	0	
3/04/2020 15:30	14	0.1	1.3	22.9	77	999.6	0.04	
3/04/2020 16:00	28	0.3	1.5	22.2	77	999.3	0.04	
3/04/2020 16:30	7	0.1	0.9	21.7	83.3	999.3	0.13	
3/04/2020 17:00	344	0.1	0.6	21	88.4	999.3	0.35	
3/04/2020 17:30	322	0	0.3	20.9	90.6	999.4	1.17	
3/04/2020 18:00	84	0.1	0.7	20.8	90.9	999	1.27	
3/04/2020 18:30	61	0.1	1.6	20.6	90.1	998.5	1.38	
3/04/2020 19:00	61	0.1	1.3	20.5	90.2	998.4	1.63	
3/04/2020 19:30	3	0	1.1	20.4	90.7	998.4	1.63	
3/04/2020 20:00	35	0.2	1.4	20.4	90.1	998.3	1.63	
3/04/2020 20:30	253	0	0.3	20.3	90.1	997.9	1.63	



3/04/2020 21:00	4	0	0.5	20.3	90.2	997.8	1.63	
3/04/2020 21:30	9	0.1	2.8	20.3	89	997.5	1.63	
3/04/2020 22:00	32	0.2	2	20.6	87.8	997	1.63	
3/04/2020 22:30	24	0.1	2.3	20.9	86.7	996.9	1.63	
3/04/2020 23:00	49	0.2	1.8	20.8	86.4	996.2	1.63	
3/04/2020 23:30	28	0.2	1.9	20.9	85.8	995.7	1.63	
4/04/2020 0:00	46	0.1	2.3	21	84	995.1	1.63	
4/04/2020 0:30	15	0.4	1.9	21	82.2	994.7	1.63	
4/04/2020 1:00	1	0.2	1.6	21	81.7	994.3	1.63	
4/04/2020 1:30	13	0.2	1.7	21.2	81.2	993.8	1.63	
4/04/2020 2:00	16	0.5	1.6	21.2	80.6	993.2	1.63	
4/04/2020 2:30	340	0.2	1.8	21.4	79	992.5	1.63	
4/04/2020 3:00	39	0.2	2	21.4	79.8	991.6	1.63	
4/04/2020 3:30	29	0.1	2.5	21.2	78	991.4	1.63	
4/04/2020 4:00	8	0.2	2.5	21.6	77.5	991.1	1.63	
4/04/2020 4:30	19	0.2	3	21.8	76.3	990.9	1.63	
4/04/2020 5:00	53	0.3	3.1	22.1	74.8	990.9	1.63	
4/04/2020 5:30	16	0.2	2.9	20.9	84.5	991.5	1.83	
4/04/2020 6:00	17	0.6	3.2	20.3	89.1	991.5	3.18	
4/04/2020 6:30	344	0.4	2.2	20.1	89.2	991.8	3.53	
4/04/2020 7:00	342	0.3	1.4	20	89.8	992	3.55	
4/04/2020 7:30	35	0	1.4	20	87.5	992.4	3.55	
4/04/2020 8:00	289	0.1	0.5	20.5	84.1	993.6	3.57	
4/04/2020 8:30	346	0.1	1.3	20.8	73.5	993.8	3.57	
4/04/2020 9:00	302	0.1	0.7	21.8	64.9	993.8	3.57	3.57
4/04/2020 9:30	316	0.1	0.8	23.4	56.5	993.9	0	
4/04/2020 10:00	273	0.2	2	24.3	53.9	993.8	0	
4/04/2020 10:30	285	0.1	0.9	25	46.3	993.8	0	
4/04/2020 11:00	358	0.2	1.5	25.9	41	994	0	
4/04/2020 11:30	327	0.2	2	25.7	37.1	994	0	
4/04/2020 12:00	302	0.4	3.1	24.8	35.8	994.1	0	
4/04/2020 12:30	272	0.7	2.5	24.8	33.7	994.5	0	
4/04/2020 13:00	285	0.1	2.2	24.2	33.5	995.1	0	
4/04/2020 13:30	252	0.2	1.4	24.1	34.3	995.5	0	
4/04/2020 14:00	333	0.1	1.6	24.1	31.4	995.6	0	
4/04/2020 14:30	186	0.3	1.8	24.3	32.3	995.9	0.04	
4/04/2020 15:00	279	0.2	1.6	24.2	31.3	996.2	0.04	
4/04/2020 15:30	278	0.1	1.4	23.7	32.3	996.8	0.04	
4/04/2020 16:00	295	0.2	1	23.4	32.8	997.2	0.04	
4/04/2020 16:30	301	0.2	1.5	22.6	34.3	997.6	0.04	
4/04/2020 17:00	344	0.1	1.2	22.1	34	998.4	0.04	
4/04/2020 17:30	243	0.1	1.2	21.1	35.5	999.5	0.04	
4/04/2020 18:00	289	0.1	1.1	20.3	38.5	1000	0.04	
4/04/2020 18:30	290	0.1	1.2	19.9	39.9	1000.5	0.04	
4/04/2020 19:00	41	0	0.4	19.5	41	1001.3	0.04	
4/04/2020 19:30	316	0	0.6	18.9	44.2	1001.9	0.04	
4/04/2020 20:00	274	0.1	0.6	18.1	46.1	1002.2	0.04	
4/04/2020 20:30	247	0.1	0.7	17.8	47.4	1003	0.04	
4/04/2020 21:00	277	0	0.5	17.6	48.2	1003.2	0.04	
4/04/2020 21:30	300	0	0.8	17.7	49.5	1003.7	0.04	
4/04/2020 22:00	316	0	0.8	17.6	47	1004	0.04	
4/04/2020 22:30	208	0.1	1.7	16.6	55.6	1004.1	0.04	
4/04/2020 23:00	230	0.2	0.5	16.6	52.9	1004.4	0.04	
4/04/2020 23:30	226	0.1	0.5	15.8	58.2	1004.3	0.04	
5/04/2020 0:00	212	0.1	0.6	15.4	58.5	1004.5	0.04	
5/04/2020 0:30	59	0	0.1	15.8	53.4	1004.8	0.04	
5/04/2020 1:00	41	0.2	1	16	51.3	1004.9	0.04	
5/04/2020 1:30	9	0	0.4	15.5	54.6	1005	0.04	
5/04/2020 2:00	221	0.1	0.5	15.3	55.2	1005.2	0.04	
5/04/2020 2:30	262	0	0.2	14.7	57.5	1005.2	0.04	
5/04/2020 3:00	212	0	0.4	14.7	62.8	1005.2	0.04	
5/04/2020 3:30	219	0	0.4	14.7	61.5	1005.5	0.04	
5/04/2020 4:00	233	0	0.4	14.2	61.9	1005.6	0.04	
5/04/2020 4:30	108	0.1	0.7	13.6	67.1	1005.9	0.04	
5/04/2020 5:00	248	0	0.3	12.6	70.6	1006.2	0.04	
5/04/2020 5:30	335	0	0.4	13.7	68.3	1006.8	0.04	
5/04/2020 6:00	1	0.1	0.5	14.5	62.2	1007.2	0.04	
5/04/2020 6:30	312	0	0.6	14	64.6	1007.6	0.04	
5/04/2020 7:00	326	0.1	1.2	14.6	61.5	1008.1	0.04	
5/04/2020 7:30	318	0.1	0.9	16.1	57.7	1008.2	0.04	
5/04/2020 8:00	347	0.2	1.7	17.5	51.2	1008.3	0.04	
5/04/2020 8:30	228	0.1	0.8	18.1	50.2	1008.5	0.04	
5/04/2020 9:00	345	0.1	1	19	47.8	1008.7	0.04	0.04
5/04/2020 9:30	344	0.6	1.9	19.8	44.2	1008.5	0	
5/04/2020 10:00	341	0	0.8	20.5	39.8	1008	0	
5/04/2020 10:30	211	0.1	1.3	21.7	35.1	1007.9	0	
5/04/2020 11:00	309	0.1	0.6	21.7	36.4	1007.8	0	
5/04/2020 11:30	288	0.2	1.1	22	34.3	1007.4	0	
5/04/2020 12:00	326	0.2	2.2	22.5	34	1006.8	0	
5/04/2020 12:30	347	0.1	1.1	23.5	30.2	1006.5	0	
5/04/2020 13:00	321	0.1	1.6	23.9	29.6	1006.3	0	
5/04/2020 13:30	263	0.1	1.6	23.9	30.9	1006	0	
5/04/2020 14:00	313	0.2	1.3	24.3	29.9	1005.7	0	
5/04/2020 14:30	11	0	1.6	24.1	31.1	1005.8	0	
5/04/2020 15:00	210	0.1	0.6	24.7	30.2	1005.7	0	
5/04/2020 15:30	88	0.1	0.6	24.1	30	1005.8	0	
5/04/2020 16:00	20	0	0.7	23.7	33.8	1005.9	0	
5/04/2020 16:30	10	0	0.5	23	34.4	1006.1	0	
5/04/2020 17:00	192	0	0.2	23.1	36.9	1006.4	0	
5/04/2020 17:30	190	0.1	0.7	21.1	39.5	1006.9	0	
5/04/2020 18:00	283	0	0.6	20	41.9	1007.5	0	
5/04/2020 18:30	278	0	0.3	19.3	43.2	1008	0	
5/04/2020 19:00	3	0	0.2	18.5	47.6	1008.6	0	
5/04/2020 19:30	198	0	0.3	17.2	50.7	1009.2	0	
5/04/2020 20:00	201	0	0.3	16.3	55.2	1009.6	0	

5/04/2020 20:30	230	0	0.6	16.6	52.4	1009.8	0	
5/04/2020 21:00	272	0	0.5	17.9	47	1010	0	
5/04/2020 21:30	100	0	0.4	17.3	48.8	1010.3	0	
5/04/2020 22:00	264	0.1	0.5	16.5	52.3	1010.6	0	
5/04/2020 22:30	298	0	0.3	15.6	58.5	1010.8	0	
5/04/2020 23:00	190	0	0.3	14.9	61.2	1010.9	0	
5/04/2020 23:30	194	0	0.3	14.1	65.8	1010.6	0	
6/04/2020 0:00	45	0	0.2	14.8	64.8	1010.5	0	
6/04/2020 0:30	270	0	0.2	15.1	60.1	1010.5	0	
6/04/2020 1:00	288	0	0.3	15	61	1010.4	0	
6/04/2020 1:30	356	0.1	0.8	15.5	60.9	1010.4	0	
6/04/2020 2:00	239	0	0.5	15.4	61.7	1010.1	0	
6/04/2020 2:30	118	0	0.3	15.4	64.3	1010.1	0	
6/04/2020 3:00	338	0	0.3	14.9	65.8	1009.7	0	
6/04/2020 3:30	288	0	0.8	14.7	64.9	1009.6	0	
6/04/2020 4:00	335	0	0.5	15.1	60.9	1009.7	0.06	
6/04/2020 4:30	92	0.1	0.9	14.9	66	1009.8	0.06	
6/04/2020 5:00	299	0	0.5	14.3	67.3	1010.2	0.06	
6/04/2020 5:30	282	0	0.3	13.8	68.8	1010.5	0.06	
6/04/2020 6:00	178	0	0.3	13.4	71.5	1010.8	0.06	
6/04/2020 6:30	185	0	0.5	13.3	73.1	1011.1	0.06	
6/04/2020 7:00	218	0	0.3	14.6	70.2	1011.7	0.06	
6/04/2020 7:30	114	0	0.3	16.5	61.6	1012.2	0.06	
6/04/2020 8:00	291	0	0.4	17.4	57	1012.7	0.06	
6/04/2020 8:30	11	0	0.7	18.2	56.4	1013	0.06	
6/04/2020 9:00	297	0.1	0.5	18.7	56.1	1013	0.06	0.06
6/04/2020 9:30	26	0.5	1.5	19.4	51.1	1013	0	
6/04/2020 10:00	338	0.1	0.6	21	45.2	1013	0	
6/04/2020 10:30	43	0.1	0.8	22	44.2	1012.9	0	
6/04/2020 11:00	179	0.1	1.6	22.8	44.1	1012.7	0	
6/04/2020 11:30	201	0.2	2.2	23.6	41.5	1012.5	0	
6/04/2020 12:00	191	2.1	3.2	24	38.8	1012.2	0	
6/04/2020 12:30	177	0.3	1.9	24	39.2	1011.9	0	
6/04/2020 13:00	76	0.1	1.1	23.7	39.1	1011.4	0	
6/04/2020 13:30	230	0.1	1.1	24.8	36.4	1011.1	0	
6/04/2020 14:00	176	1.1	2	23.2	39.2	1011.1	0	
6/04/2020 14:30	181	0.7	2.2	23.1	40	1011.1	0	
6/04/2020 15:00	318	0.1	1.3	23.8	38.2	1011.1	0	
6/04/2020 15:30	192	0.4	2.5	23.3	37.6	1011.3	0	
6/04/2020 16:00	177	0.6	2.8	23.6	37.8	1011.3	0	
6/04/2020 16:30	332	0.1	0.7	23.9	36.5	1011.5	0	
6/04/2020 17:00	110	0	2.8	20.7	63.6	1012.1	0	
6/04/2020 17:30	154	0.3	2.5	19.1	69	1012.5	0	
6/04/2020 18:00	142	1.1	2.4	18.4	72.9	1013	0	
6/04/2020 18:30	135	0.2	1.4	18.1	72.9	1013.4	0	
6/04/2020 19:00	140	0.3	1.6	17.7	73.1	1013.8	1.34	
6/04/2020 19:30	157	0.4	1.6	17.4	74.7	1014.2	1.34	
6/04/2020 20:00	162	0.9	1.8	17.5	76	1014.7	1.34	
6/04/2020 20:30	169	0.1	1.2	17.6	74.8	1014.9	1.34	
6/04/2020 21:00	174	0.3	0.8	17.3	75.9	1015.1	1.34	
6/04/2020 21:30	180	0	0.2	17.1	78.4	1015.4	1.34	
6/04/2020 22:00	175	0.1	1	17.1	76	1015.7	1.34	
6/04/2020 22:30	167	0.4	1.4	17.5	74.4	1015.7	1.34	
6/04/2020 23:00	172	0.8	1.5	16.9	77	1015.6	1.34	
6/04/2020 23:30	148	0.3	0.9	17	77.6	1015.7	1.34	
7/04/2020 0:00	165	0.2	0.9	17.1	77	1015.7	1.34	
7/04/2020 0:30	165	0.3	1.6	16.9	76.9	1015.8	1.34	
7/04/2020 1:00	189	0.3	2	16.8	76	1015.9	1.34	
7/04/2020 1:30	160	0.6	1.5	16.3	77.4	1015.6	1.34	
7/04/2020 2:00	147	0.2	1	16	78.5	1015.5	1.34	
7/04/2020 2:30	150	0	0.3	15.8	82.9	1015.2	1.34	
7/04/2020 3:00	230	0	0.1	15.5	81.7	1015	1.34	
7/04/2020 3:30	210	0	0.2	15.5	80	1015.1	1.34	
7/04/2020 4:00	339	0	0.3	15.5	77.7	1015.3	1.34	
7/04/2020 4:30	61	0	0.2	15.9	75.3	1015.3	1.36	
7/04/2020 5:00	91	0	0.4	16	74.8	1015.5	1.36	
7/04/2020 5:30	181	0.1	1.1	15.9	74.7	1015.7	1.36	
7/04/2020 6:00	238	0	0.4	15.9	74.7	1015.9	1.36	
7/04/2020 6:30	149	0.2	0.8	16.1	72.9	1016.1	1.36	
7/04/2020 7:00	191	0	0.4	16.4	72.2	1016.4	1.36	
7/04/2020 7:30	178	0	0.5	16.5	70.6	1016.7	1.36	
7/04/2020 8:00	177	0.9	2.3	17.4	64.6	1017.1	1.36	
7/04/2020 8:30	171	0.1	1	18.1	63.3	1017.2	1.36	
7/04/2020 9:00	172	0.5	2.8	18.3	59.7	1017.3	1.36	1.36
7/04/2020 9:30	144	1.3	2.8	18.7	59.3	1017.4	0	
7/04/2020 10:00	163	0.1	0.8	19.7	57.8	1017.2	0	
7/04/2020 10:30	200	0.1	1.3	19.9	56	1017.2	0	
7/04/2020 11:00	134	1.7	2.7	20.7	51.1	1017	0	
7/04/2020 11:30	124	0.3	2.2	21.2	50.7	1016.8	0	
7/04/2020 12:00	93	0.3	2.1	21.2	49.8	1016.5	0	
7/04/2020 12:30	124	0.1	1.2	20.8	52.3	1016	0.02	
7/04/2020 13:00	134	0.2	1	20.5	53.3	1015.4	0.02	
7/04/2020 13:30	124	0.1	1.2	21.2	52	1015.1	0.04	
7/04/2020 14:00	146	0.5	1.6	21.5	49.1	1015	0.04	
7/04/2020 14:30	165	0.4	1.2	21.1	50.5	1014.8	0.04	
7/04/2020 15:00	137	0.6	2.8	20.8	54	1014.9	0.04	
7/04/2020 15:30	108	0	1.2	20.5	54	1014.8	0.04	
7/04/2020 16:00	147	0.3	1.3	20.1	56.5	1014.6	0.04	
7/04/2020 16:30	132	0.3	1.9	19.9	57.2	1014.6	0.04	
7/04/2020 17:00	129	0.1	0.8	19.4	60.3	1014.8	0.04	
7/04/2020 17:30	153	0.3	1.2	19	61	1014.9	0.04	
7/04/2020 18:00	164	0	0.5	18.6	61.8	1015	0.04	
7/04/2020 18:30	168	0.5	0.9	18.4	63.8	1015.3	0.04	
7/04/2020 19:00	183	0.2	0.4	17.8	65	1015.5	0.04	
7/04/2020 19:30	199	0	0.2	17.2	68.1	1015.6	0.04	

7/04/2020 20:00	153	0	0.3	16.5	73	1015.6	0.04	
7/04/2020 20:30	221	0	0.2	15.9	75	1015.2	0.04	
7/04/2020 21:00	200	0	0.3	15.3	77.8	1015.2	0.04	
7/04/2020 21:30	173	0	0.3	15.3	79.5	1015.5	0.04	
7/04/2020 22:00	180	0	0.1	15.2	79.3	1015.6	0.04	
7/04/2020 22:30	254	0.1	0.2	15.2	79.2	1015.7	0.04	
7/04/2020 23:00	159	0	0.2	15.7	79.7	1015.4	0.04	
7/04/2020 23:30	346	0	0.2	15.4	80.7	1015.3	0.04	
8/04/2020 0:00	83	0.4	1	15.9	75.2	1015.3	0.04	
8/04/2020 0:30	190	0.2	0.4	16.2	75	1015	0.04	
8/04/2020 1:00	223	0.3	0.4	15.9	77.3	1015	0.04	
8/04/2020 1:30	201	0	0.2	15.9	78.2	1015	0.04	
8/04/2020 2:00	0	0	0.1	15.6	80.1	1014.5	0.04	
8/04/2020 2:30	246	0	0.1	15.3	82.8	1014.4	0.04	
8/04/2020 3:00	217	0	0.1	15.2	83.9	1014.2	0.04	
8/04/2020 3:30	115	0.1	0.3	15	83.9	1014.3	0.04	
8/04/2020 4:00	158	0.1	0.7	15.4	80.2	1014.4	0.04	
8/04/2020 4:30	183	0.4	1	15.4	79.3	1014.4	0.07	
8/04/2020 5:00	165	0.2	0.6	15.4	80.3	1014.6	0.07	
8/04/2020 5:30	188	0.1	0.4	15.2	80.6	1014.7	0.07	
8/04/2020 6:00	158	0.5	1	15.5	81.6	1015.1	0.07	
8/04/2020 6:30	122	0	0.7	15.9	81.7	1015.5	0.07	
8/04/2020 7:00	142	0.1	0.8	15.9	81.8	1015.6	0.07	
8/04/2020 7:30	167	0.2	1.3	16.6	79.6	1016.2	0.07	
8/04/2020 8:00	112	0.1	0.7	17	78.4	1016.5	0.07	
8/04/2020 8:30	129	0.2	1.7	17.3	76.2	1016.8	0.07	
8/04/2020 9:00	150	0.3	2	17.9	72.1	1017.2	0.07	0.07
8/04/2020 9:30	130	0.6	1.7	17.7	72.1	1017.2	0	
8/04/2020 10:00	72	0.2	0.7	18.6	69.6	1017.2	0	
8/04/2020 10:30	154	0.3	1.2	18.5	70.5	1017.2	0.04	
8/04/2020 11:00	161	0	0.2	18.1	74	1017.3	0.04	
8/04/2020 11:30	160	0.1	1	17.6	77.2	1017.1	0.08	
8/04/2020 12:00	213	0.3	0.6	17.6	74.8	1017	0.08	
8/04/2020 12:30	244	0	0.2	17.8	71.5	1016.8	0.08	
8/04/2020 13:00	63	0.1	0.8	18.5	72.6	1016.4	0.08	
8/04/2020 13:30	150	0.2	1	18.3	80.3	1016.4	0.1	
8/04/2020 14:00	155	0.8	1.2	18.3	76.7	1016.3	0.1	
8/04/2020 14:30	118	0	0.7	18.8	75.2	1016.2	0.1	
8/04/2020 15:00	158	0	0.7	18.9	73.3	1016.1	0.1	
8/04/2020 15:30	170	0.1	0.8	19	70.1	1016.6	0.1	
8/04/2020 16:00	173	0.1	0.4	18.7	72.2	1016.3	0.13	
8/04/2020 16:30	145	0.2	1.1	17.9	75.7	1016.5	0.17	
8/04/2020 17:00	155	0.6	1.4	17.9	75	1016.7	0.17	
8/04/2020 17:30	156	0.2	1.4	18	75.3	1017.3	0.17	
8/04/2020 18:00	156	0.5	1.2	17.9	75.8	1017.7	0.17	
8/04/2020 18:30	186	0.2	1.3	17.8	76.8	1017.8	0.17	
8/04/2020 19:00	147	0.3	1.3	17.7	76.5	1017.9	0.17	
8/04/2020 19:30	193	0.1	0.7	17.7	76.6	1018.4	0.17	
8/04/2020 20:00	177	0	0.4	17.7	78.9	1018.8	0.17	
8/04/2020 20:30	153	0	0.4	17.6	77.4	1019.1	0.17	
8/04/2020 21:00	175	0.1	0.8	17.5	75.5	1019.2	0.17	
8/04/2020 21:30	294	0	0.4	17.5	75.9	1019.6	0.17	
8/04/2020 22:00	123	0.1	0.5	17.1	75.8	1019.7	0.17	
8/04/2020 22:30	151	0.1	0.5	17.1	76.2	1019.6	0.17	
8/04/2020 23:00	165	0.2	0.9	17	76.2	1019.7	0.17	
8/04/2020 23:30	180	0.5	1.5	17	77.4	1019.8	0.17	
9/04/2020 0:00	195	0.1	0.6	16.9	78.8	1019.6	0.17	
9/04/2020 0:30	180	0.1	1	16.9	80.4	1019.9	0.17	
9/04/2020 1:00	168	0.1	0.9	16.9	80.7	1019.8	0.17	
9/04/2020 1:30	125	0.2	0.8	16.7	80.7	1019.8	0.17	
9/04/2020 2:00	182	0.2	1.2	16.6	81.3	1019.6	0.17	
9/04/2020 2:30	171	0.3	1.3	16.5	82.4	1019.7	0.17	
9/04/2020 3:00	250	0	0.1	16.4	83.1	1019.7	0.17	
9/04/2020 3:30	206	0.1	0.3	16.4	83.2	1019.7	0.17	
9/04/2020 4:00	165	0.2	0.9	16	83.2	1019.6	0.17	
9/04/2020 4:30	108	0.1	0.5	16.2	81.4	1019.7	0.17	
9/04/2020 5:00	239	0	0.3	16.3	83.3	1020	0.17	
9/04/2020 5:30	15	0	0.3	16.2	82.1	1020.1	0.17	
9/04/2020 6:00	289	0	0.2	16.2	82.5	1020.4	0.17	
9/04/2020 6:30	106	0	0.1	16.2	83.1	1020.6	0.17	
9/04/2020 7:00	0	0	0.3	16.2	82.1	1021	0.17	
9/04/2020 7:30	326	0	0.2	16.4	78.4	1021.1	0.17	
9/04/2020 8:00	23	0.1	0.7	16.8	76.2	1021.5	0.17	
9/04/2020 8:30	207	0.1	1	17.9	70.8	1021.6	0.18	
9/04/2020 9:00	187	0.5	2.1	18.6	68.1	1021.4	0.18	0.18
9/04/2020 9:30	172	0.2	1.3	19.1	67.3	1021.4	0	
9/04/2020 10:00	185	1.5	2.7	19.8	64.2	1021.3	0	
9/04/2020 10:30	193	0.2	0.9	21	60.1	1021.3	0	
9/04/2020 11:00	137	0.1	1	22.8	57.2	1021	0	
9/04/2020 11:30	134	0	1.1	22.9	54.3	1020.5	0	
9/04/2020 12:00	107	0.1	1	22.9	55	1020.2	0	
9/04/2020 12:30	75	0.4	1.4	23	54.1	1019.8	0	
9/04/2020 13:00	148	0	0.5	22.5	56.4	1019.5	0.04	
9/04/2020 13:30	140	0.1	0.5	22.4	58.5	1019.2	0.04	
9/04/2020 14:00	62	0	0.6	21.9	59.1	1018.9	0.04	
9/04/2020 14:30	86	0.3	1.2	22	59.7	1018.8	0.04	
9/04/2020 15:00	145	0.1	1	22.1	59.4	1018.7	0.04	
9/04/2020 15:30	117	0.1	0.7	21.8	60.8	1018.6	0.04	
9/04/2020 16:00	43	0	0.6	21.5	60.7	1018.6	0.06	
9/04/2020 16:30	153	0	0.3	21.4	64.7	1018.6	0.06	
9/04/2020 17:00	135	0.1	0.7	20.8	66.7	1018.6	0.06	
9/04/2020 17:30	142	0.1	1	20.2	69.3	1018.5	0.06	
9/04/2020 18:00	136	0.2	1	19.8	70.9	1018.5	0.06	
9/04/2020 18:30	138	0	0.3	19.4	74.1	1018.7	0.06	
9/04/2020 19:00	152	0	0.3	18.7	75.6	1018.7	0.06	



9/04/2020 19:30	214	0	0.2	18.1	79.9	1019.2	0.06	
9/04/2020 20:00	205	0	0.2	17.5	83.6	1019.2	0.06	
9/04/2020 20:30	150	0	0.1	17.2	84.1	1019.4	0.06	
9/04/2020 21:00	158	0.1	0.3	17	85.9	1019.3	0.06	
9/04/2020 21:30	154	0	0.1	16.8	86.7	1019	0.06	
9/04/2020 22:00	236	0	0.1	16.6	86.6	1019.1	0.06	
9/04/2020 22:30	117	0	0.2	16.6	88.2	1018.7	0.06	
9/04/2020 23:00	196	0.1	0.2	16.4	88.8	1018.8	0.06	
9/04/2020 23:30	205	0.2	0.4	16.6	89.2	1018.6	0.06	
10/04/2020 0:00	134	0	0.1	16.7	89.3	1018.2	0.06	
10/04/2020 0:30	201	0	0.1	16.8	89.8	1017.9	0.06	
10/04/2020 1:00	109	0	0.1	16.8	90.1	1017.4	0.06	
10/04/2020 1:30	186	0	0.2	16.9	89.4	1017.1	0.06	
10/04/2020 2:00	151	0.2	0.4	16.8	90.1	1016.9	0.06	
10/04/2020 2:30	165	0.1	0.4	16.7	89.5	1016.6	0.06	
10/04/2020 3:00	139	0	0.1	16.7	89.7	1015.9	0.06	
10/04/2020 3:30	121	0	0.2	16.6	89.6	1015.7	0.06	
10/04/2020 4:00	176	0.2	0.4	16.8	89.1	1015.7	0.06	
10/04/2020 4:30	186	0.2	0.3	16.7	89.1	1015.5	0.06	
10/04/2020 5:00	217	0	0.1	16.7	89.1	1015.3	0.06	
10/04/2020 5:30	185	0	0.1	16.4	89.7	1015.1	0.06	
10/04/2020 6:00	197	0.1	0.2	16.5	90.8	1014.9	0.1	
10/04/2020 6:30	25	0.6	1.2	16.7	91.2	1014.9	0.18	
10/04/2020 7:00	81	0.1	0.6	16.7	91.4	1014.7	0.28	
10/04/2020 7:30	213	0	0.2	16.8	91.6	1015.1	0.43	
10/04/2020 8:00	20	0.1	0.9	16.9	91.5	1015	0.47	
10/04/2020 8:30	24	0.3	1.5	17.5	91.9	1014.7	0.5	
10/04/2020 9:00	26	0	1.9	17.6	91.6	1014.5	0	0
10/04/2020 9:30	9	0.2	1.5	17.8	90.2	1014.1	0	
10/04/2020 10:00	354	0.4	1.7	18	88.6	1013.7	0	
10/04/2020 10:30	28	0.6	1.7	18.4	88.1	1013.3	0	
10/04/2020 11:00	13	0.2	1.6	18.4	86.8	1012.7	0	
10/04/2020 11:30	20	0.1	1.2	18.4	85.8	1011.7	0	
10/04/2020 12:00	16	1	2	18.9	85.3	1011.2	0.01	
10/04/2020 12:30	354	0.2	1.9	18.9	83.1	1010	0.01	
10/04/2020 13:00	12	0	1.6	19.6	81.4	1009.1	0.01	
10/04/2020 13:30	24	0.3	2.9	21	71.3	1008.2	0.01	
10/04/2020 14:00	37	0.7	2.5	21.1	70	1007.5	0.01	
10/04/2020 14:30	345	0.2	2	21.7	68.5	1007.1	0.01	
10/04/2020 15:00	18	0.2	2.3	22.4	66.3	1006.2	0.01	
10/04/2020 15:30	2	0	2.2	22.4	65	1005.6	0.01	
10/04/2020 16:00	1	0.1	2.2	22.1	66.4	1005.4	0.01	
10/04/2020 16:30	332	0.1	1.2	21.6	67.9	1005.5	0.01	
10/04/2020 17:00	211	0.1	2	19.6	72.2	1007	2.25	
10/04/2020 17:30	9	0.1	0.4	15.3	87.7	1007.3	7.09	
10/04/2020 18:00	0	0.1	0.5	15.3	88.9	1006.5	8.09	
10/04/2020 18:30	276	0	0.3	15	89.5	1006.4	8.09	
10/04/2020 19:00	0	0.1	0.8	14.9	90.8	1006.6	8.09	
10/04/2020 19:30	31	0	0.3	15.2	91.1	1006.5	8.09	
10/04/2020 20:00	39	0.1	0.5	15.2	90.3	1006.5	8.09	
10/04/2020 20:30	262	0	0.3	15	90.7	1006.5	8.09	
10/04/2020 21:00	243	0	0.3	14.9	90.9	1006.2	8.09	
10/04/2020 21:30	312	0.1	0.9	14.9	91.1	1006	8.09	
10/04/2020 22:00	17	0	0.4	14.8	91.2	1005.8	8.09	
10/04/2020 22:30	350	0	0.4	15.1	91.2	1005.4	8.09	
10/04/2020 23:00	329	0.1	1	14.5	90.9	1005	8.09	
10/04/2020 23:30	258	0	0.3	14.9	90.5	1004.5	8.09	
11/04/2020 0:00	258	0.1	0.5	14.4	89.3	1004.2	8.09	
11/04/2020 0:30	232	0.1	0.3	13.9	88	1004	8.09	
11/04/2020 1:00	282	0.1	0.6	13.9	88.5	1003.6	8.09	
11/04/2020 1:30	219	0	0.3	13.8	87.4	1003.3	8.09	
11/04/2020 2:00	348	0	0.2	12.9	88.5	1002.6	8.09	
11/04/2020 2:30	89	0.3	0.6	13	90	1002	8.09	
11/04/2020 3:00	216	0.3	0.4	13.2	90.3	1001.7	8.09	
11/04/2020 3:30	217	0	0.2	12.8	90.5	1001.6	8.09	
11/04/2020 4:00	303	0	0.1	11.9	90.6	1001.4	8.09	
11/04/2020 4:30	265	0	0.3	12.3	91.4	1001.1	8.09	
11/04/2020 5:00	194	0	0.3	12.9	88.8	1000.9	8.09	
11/04/2020 5:30	308	0.1	0.4	13	88.3	1000.6	8.09	
11/04/2020 6:00	254	0	0.2	12.5	88.4	1001.1	8.09	
11/04/2020 6:30	184	0.2	0.5	12.8	88	1000.9	8.17	
11/04/2020 7:00	13	0	0.5	13.8	85.9	1001	8.17	
11/04/2020 7:30	322	0.1	0.5	15.9	75.1	1001	8.17	
11/04/2020 8:00	191	0.1	0.5	18.4	62.6	1000.9	8.17	
11/04/2020 8:30	316	0.1	0.6	20.5	58.7	1000.9	8.17	
11/04/2020 9:00	331	0.1	1.5	21	49.7	1000.3	8.17	8.17
11/04/2020 9:30	318	0.1	1.5	21.2	46.8	999.5	0	
11/04/2020 10:00	319	0.2	1.6	22.5	43.7	998.3	0	
11/04/2020 10:30	6	0.1	1.9	21.8	47.4	997.7	0	
11/04/2020 11:00	348	0.4	3	22.1	51.1	997.3	0	
11/04/2020 11:30	321	0.1	1	24	41.9	996.4	0	
11/04/2020 12:00	320	0.2	1.9	24.8	37.7	995.6	0.01	
11/04/2020 12:30	258	0.2	1.9	25.6	31.7	995.1	0.01	
11/04/2020 13:00	274	0	1.2	26.2	31	994.7	0.01	
11/04/2020 13:30	201	0.5	2.2	26.7	28.9	994.4	0.01	
11/04/2020 14:00	334	0.3	1.9	26.4	30.7	994.3	0.01	
11/04/2020 14:30	262	0.2	1.4	26.1	31.1	994.5	0.03	
11/04/2020 15:00	250	0.1	1.5	25.3	30.5	994.7	0.03	
11/04/2020 15:30	209	0.3	3.2	24.7	29.5	995.1	0.03	
11/04/2020 16:00	272	0.4	2.7	23.3	29.6	995.7	0.03	
11/04/2020 16:30	130	0.1	1	22.6	31	996.4	0.03	
11/04/2020 17:00	242	0.3	2.2	21.8	31.2	997.2	0.03	
11/04/2020 17:30	241	0.2	1.5	20.8	30.6	998	0.03	
11/04/2020 18:00	261	0.3	1.9	20.1	30.1	998.4	0.03	
11/04/2020 18:30	339	0.1	0.9	19.6	32.6	999.3	0.03	

11/04/2020 19:00	283	0.1	1	19	36.2	1000.2	0.03	
11/04/2020 19:30	251	0.1	1.2	18.3	41	1000.8	0.03	
11/04/2020 20:00	21	0.1	1.7	17.8	39.5	1001.3	0.03	
11/04/2020 20:30	120	0.2	0.9	17.5	35.2	1001.8	0.03	
11/04/2020 21:00	254	0.1	1	17.1	34.7	1002.9	0.03	
11/04/2020 21:30	287	0.1	0.8	16.6	36.7	1003.4	0.03	
11/04/2020 22:00	277	0	0.9	16.5	38.3	1003.7	0.03	
11/04/2020 22:30	285	0	0.8	15.7	40.4	1004.2	0.03	
11/04/2020 23:00	176	0.1	0.9	15.6	40.7	1004.5	0.03	
11/04/2020 23:30	345	0.1	1.1	15.3	40.5	1004.7	0.03	
12/04/2020 0:00	228	0	0.8	14.7	42.4	1005	0.03	
12/04/2020 0:30	213	0	0.5	13.9	45.7	1005.2	0.03	
12/04/2020 1:00	300	0	0.2	13.6	46.5	1005.6	0.03	
12/04/2020 1:30	191	0	0.3	12.3	51.3	1005.7	0.03	
12/04/2020 2:00	289	0	0.2	11.1	56.3	1005.7	0.03	
12/04/2020 2:30	192	0	0.1	10.3	59.5	1005.8	0.03	
12/04/2020 3:00	193	0	0.3	10.5	59.7	1006	0.03	
12/04/2020 3:30	246	0.1	0.4	10	63.4	1006.6	0.03	
12/04/2020 4:00	37	0	0.1	9.6	63.9	1007.3	0.03	
12/04/2020 4:30	68	0	0.2	8.9	68.2	1007.7	0.03	
12/04/2020 5:00	176	0	0.3	8.3	71.5	1008.1	0.03	
12/04/2020 5:30	176	0	0.3	8.1	73.6	1008.1	0.03	
12/04/2020 6:00	258	0	0.2	7.5	78.5	1008.3	0.03	
12/04/2020 6:30	161	0.1	0.2	7	81.6	1008.8	0.03	
12/04/2020 7:00	203	0	0.1	8.3	84.2	1009.2	0.03	
12/04/2020 7:30	136	0	0.1	12.1	65.7	1009.6	0.03	
12/04/2020 8:00	179	0.1	1	14.6	50	1010.2	0.03	
12/04/2020 8:30	244	0	0.3	15.5	48.1	1010.6	0.03	
12/04/2020 9:00	116	0	0.5	17	43.6	1011	0.03	0.03
12/04/2020 9:30	77	0	0.8	17.5	38.6	1011	0	
12/04/2020 10:00	177	0.8	2.8	18.3	35.4	1011	0	
12/04/2020 10:30	167	0.1	0.7	18.3	36.7	1011.1	0	
12/04/2020 11:00	154	0	1.3	19	36.3	1010.7	0	
12/04/2020 11:30	177	0.4	2.1	20.1	33.1	1010.7	0	
12/04/2020 12:00	176	0.1	0.7	20.6	31.6	1010.4	0	
12/04/2020 12:30	294	0	0.8	21.4	30.2	1010	0	
12/04/2020 13:00	207	0.1	0.8	20.9	30.2	1009.6	0	
12/04/2020 13:30	157	0.1	0.8	21.9	27.9	1009.5	0	
12/04/2020 14:00	302	0.1	0.9	20.8	32.4	1009.2	0	
12/04/2020 14:30	41	0.4	1.5	21	32.4	1009.3	0	
12/04/2020 15:00	71	0.3	1.6	22	28.1	1009.4	0	
12/04/2020 15:30	5	0.1	0.9	21.2	29.8	1009.3	0	
12/04/2020 16:00	272	0	0.2	21.5	28.9	1009.2	0	
12/04/2020 16:30	301	0	0.5	21	40.2	1009.3	0	
12/04/2020 17:00	114	0.2	1.3	19.8	41.4	1009.8	0	
12/04/2020 17:30	108	0.5	1.8	18.7	44.8	1010.1	0	
12/04/2020 18:00	153	0.1	0.6	17.5	49.8	1010.3	0	
12/04/2020 18:30	125	0.1	0.9	16.6	56.7	1010.7	0	
12/04/2020 19:00	196	0.3	0.4	14.8	62.3	1011.2	0	
12/04/2020 19:30	218	0.1	0.2	13.9	68	1011.5	0	
12/04/2020 20:00	185	0.1	0.3	13	72.1	1011.9	0	
12/04/2020 20:30	222	0.3	0.5	12.7	74	1012.5	0	
12/04/2020 21:00	307	0	0.1	13.1	72.6	1013.1	0	
12/04/2020 21:30	93	0	0.1	13	75.5	1013.5	0	
12/04/2020 22:00	174	0.1	0.3	11.8	79.9	1013.6	0	
12/04/2020 22:30	188	0.1	0.2	11.2	81.7	1013.4	0	
12/04/2020 23:00	197	0	0.1	11	84.6	1013.4	0	
12/04/2020 23:30	96	0	0.1	10.7	85.8	1013.5	0	
13/04/2020 0:00	302	0	0.1	10.6	86.2	1013.4	0	
13/04/2020 0:30	229	0.2	0.5	10.2	86.6	1013.2	0	
13/04/2020 1:00	158	0.1	0.3	10.2	88.8	1013.4	0	
13/04/2020 1:30	292	0	0.1	10.2	88.9	1013.4	0	
13/04/2020 2:00	147	0	0.2	10.1	89	1013.3	0	
13/04/2020 2:30	197	0.2	0.4	10.1	88.1	1013.2	0	
13/04/2020 3:00	12	0	0.3	10	89	1013.2	0	
13/04/2020 3:30	204	0	0.3	9.9	89.5	1013.4	0	
13/04/2020 4:00	337	0	0.1	9.6	88.9	1013.6	0	
13/04/2020 4:30	193	0.1	0.4	8.9	89.4	1013.7	0	
13/04/2020 5:00	203	0	0.2	8.9	89.5	1013.8	0	
13/04/2020 5:30	245	0	0.4	8.9	90.6	1014	0	
13/04/2020 6:00	222	0	0.2	9.1	91.1	1014.2	0	
13/04/2020 6:30	222	0.1	0.2	9.1	90.9	1014.5	0	
13/04/2020 7:00	268	0	0.4	9.6	91.6	1015	0	
13/04/2020 7:30	162	0.3	0.8	11.5	86.7	1015.4	0	
13/04/2020 8:00	174	0.1	0.5	14.2	74.4	1015.9	0	
13/04/2020 8:30	185	1.1	1.7	15.6	61.6	1016.2	0	
13/04/2020 9:00	21	0.1	0.6	17.2	64	1016.5	0	0
13/04/2020 9:30	51	0.3	1.3	17.2	63.4	1016.5	0	
13/04/2020 10:00	27	0.1	1	17.8	60.1	1016.3	0	
13/04/2020 10:30	345	0.1	1	18.5	55	1016.2	0	
13/04/2020 11:00	69	0.2	1	19.8	49.8	1015.8	0	
13/04/2020 11:30	22	0.1	0.5	20	48.3	1015.4	0	
13/04/2020 12:00	333	0	0.6	20.9	45.3	1015.1	0	
13/04/2020 12:30	342	0.1	1	21.5	44.7	1014.7	0	
13/04/2020 13:00	337	0.1	1	21.3	44.7	1014.1	0	
13/04/2020 13:30	130	0.3	1.4	23.7	39.3	1013.9	0	
13/04/2020 14:00	116	0	0.5	23	41.7	1013.6	0	
13/04/2020 14:30	168	0.8	1.7	22.6	41.1	1013.6	0	
13/04/2020 15:00	141	0.1	0.9	22.8	44	1013.6	0	
13/04/2020 15:30	86	0.4	1.4	22.3	43.8	1013.6	0	
13/04/2020 16:00	67	0.1	1.5	22.3	46.3	1013.8	0	
13/04/2020 16:30	86	0.2	1.3	21.5	48.8	1013.9	0	
13/04/2020 17:00	102	0.3	1.6	20.6	51.5	1014.2	0	
13/04/2020 17:30	105	0	0.6	19.9	55.3	1014.4	0	
13/04/2020 18:00	131	0.1	0.8	19.2	58.3	1014.5	0	

13/04/2020 18:30	141	0.4	0.8	18	63.2	1015.3	0	
13/04/2020 19:00	169	0.1	0.4	17.4	65.6	1015.6	0	
13/04/2020 19:30	183	0	0.1	17	70.4	1016	0	
13/04/2020 20:00	206	0.2	0.3	15.9	74.4	1016	0	
13/04/2020 20:30	209	0.1	0.2	15	77.6	1016.2	0	
13/04/2020 21:00	180	0	0.1	15.5	76.8	1016.4	0	
13/04/2020 21:30	223	0.1	0.2	15.1	78.7	1016.7	0	
13/04/2020 22:00	112	0	0.2	14.4	81.2	1016.7	0	
13/04/2020 22:30	202	0.2	0.3	13.6	83.6	1016.8	0	
13/04/2020 23:00	201	0	0.2	13.2	86.8	1016.5	0	
13/04/2020 23:30	186	0	0.1	12.9	87.8	1016.7	0	
14/04/2020 0:00	186	0	0.2	12.6	88.1	1016.7	0	
14/04/2020 0:30	180	0.1	0.2	12.2	89.1	1016.7	0	
14/04/2020 1:00	178	0	0.2	11.9	89.4	1016.8	0	
14/04/2020 1:30	132	0	0.2	12	90.3	1016.9	0	
14/04/2020 2:00	246	0	0.1	11.7	90.2	1017	0	
14/04/2020 2:30	146	0.1	0.2	11.7	90.9	1016.9	0	
14/04/2020 3:00	203	0	0.1	11.5	90.9	1017	0	
14/04/2020 3:30	175	0	0.1	11.3	91	1017.2	0.03	
14/04/2020 4:00	220	0	0.1	11.1	91.1	1017.3	0.03	
14/04/2020 4:30	229	0	0.2	11.2	91.3	1017.6	0.03	
14/04/2020 5:00	144	0	0.2	11.1	91.6	1017.8	0.03	
14/04/2020 5:30	211	0	0.2	10.5	91.3	1017.8	0.03	
14/04/2020 6:00	211	0	0.1	10.7	92	1017.9	0.03	
14/04/2020 6:30	164	0	0.1	10.6	91.9	1018.1	0.03	
14/04/2020 7:00	295	0	0.1	11.6	93	1018.5	0.03	
14/04/2020 7:30	2	0.1	0.4	12.8	89.1	1018.8	0.03	
14/04/2020 8:00	98	0	0.4	15	82.5	1019.4	0.03	
14/04/2020 8:30	240	0.1	0.7	16.5	73.7	1019.6	0.04	
14/04/2020 9:00	160	0	0.2	17.7	67.2	1019.7	0.04	0.04
14/04/2020 9:30	340	0.2	0.8	18.4	65.4	1019.4	0	
14/04/2020 10:00	348	0.1	0.7	19	63	1018.9	0	
14/04/2020 10:30	343	0.5	1.1	19.6	60.4	1018.6	0	
14/04/2020 11:00	243	0	0.4	21.1	56.9	1018.4	0	
14/04/2020 11:30	4	0.3	1	22.3	52.5	1018.2	0	
14/04/2020 12:00	26	0.1	0.7	23.5	48.4	1017.7	0	
14/04/2020 12:30	71	0.3	1.5	24	41.6	1017.2	0	
14/04/2020 13:00	30	0.6	1.5	25.1	35.8	1016.5	0	
14/04/2020 13:30	231	0.1	0.7	25.5	34.5	1016.2	0.01	
14/04/2020 14:00	133	0.1	0.4	26.5	28.8	1016	0.01	
14/04/2020 14:30	21	0.2	1.4	26.5	27.2	1015.8	0.01	
14/04/2020 15:00	331	0.1	0.8	27.3	24.1	1015.9	0.01	
14/04/2020 15:30	28	0.1	0.8	26.6	25	1015.8	0.01	
14/04/2020 16:00	268	0.1	0.4	26.3	28.1	1015.6	0.01	
14/04/2020 16:30	221	0.2	0.4	26	29.4	1015.7	0.01	
14/04/2020 17:00	75	0.3	1.2	24.8	43.5	1015.8	0.01	
14/04/2020 17:30	233	0	0.1	23.4	53.4	1016.1	0.01	
14/04/2020 18:00	105	0.1	0.6	21.8	62	1016.6	0.01	
14/04/2020 18:30	148	0.5	1.2	20.9	64.5	1017	0.01	
14/04/2020 19:00	209	0.1	0.2	20.1	68.4	1017.3	0.01	
14/04/2020 19:30	181	0.1	0.3	19	72.9	1017.4	0.01	
14/04/2020 20:00	195	0.1	0.2	18.3	74.4	1017.5	0.01	
14/04/2020 20:30	190	0.1	0.3	17.4	78.7	1017.8	0.01	
14/04/2020 21:00	194	0	0.2	17	80.6	1018.3	0.01	
14/04/2020 21:30	192	0.2	0.3	16.5	80.9	1018.4	0.01	
14/04/2020 22:00	237	0	0.1	15.8	84.4	1018.5	0.01	
14/04/2020 22:30	162	0	0.2	15.6	87.4	1018.4	0.01	
14/04/2020 23:00	243	0	0.2	15.1	87.4	1018.3	0.01	
14/04/2020 23:30	196	0	0.1	14.8	89	1018	0.01	
15/04/2020 0:00	154	0	0.2	14.2	88.7	1017.9	0.01	
15/04/2020 0:30	206	0	0.2	14	89.4	1017.7	0.01	
15/04/2020 1:00	218	0	0.1	14	90	1017.9	0.01	
15/04/2020 1:30	181	0	0.1	13.9	90.8	1017.8	0.01	
15/04/2020 2:00	214	0	0.1	14.2	90.9	1017.6	0.01	
15/04/2020 2:30	227	0	0.2	14.1	91.3	1017.4	0.01	
15/04/2020 3:00	173	0.3	0.4	13.7	90.9	1017.2	0.01	
15/04/2020 3:30	248	0	0.1	13.5	91	1017.3	0.01	
15/04/2020 4:00	199	0.1	0.3	13.5	91.4	1017	0.03	
15/04/2020 4:30	209	0	0.4	13.7	91.4	1017.1	0.03	
15/04/2020 5:00	206	0	0.1	13.9	91	1017.5	0.03	
15/04/2020 5:30	209	0.2	0.5	13.6	90.7	1017.4	0.03	
15/04/2020 6:00	166	0	0.2	13.4	90.7	1017.1	0.03	
15/04/2020 6:30	261	0	0.3	13.6	90.5	1017.5	0.03	
15/04/2020 7:00	175	0.2	0.4	14	90.3	1017.7	0.03	
15/04/2020 7:30	264	0	0.4	15.6	87.4	1018.1	0.03	
15/04/2020 8:00	1	0.2	0.5	17	75.2	1018.5	0.06	
15/04/2020 8:30	338	0.4	0.9	18.3	71.4	1018.3	0.06	
15/04/2020 9:00	319	0.1	0.4	19.2	67.4	1018.2	0.06	0.06
15/04/2020 9:30	285	0.1	0.5	20.5	64.4	1017.7	0	
15/04/2020 10:00	9	0.8	1.7	21.5	57.5	1017.4	0	
15/04/2020 10:30	275	0	0.5	22.3	58.5	1017	0	
15/04/2020 11:00	336	0.2	1.2	23.1	55.4	1016.3	0	
15/04/2020 11:30	332	0	0.6	24.8	46.7	1015.8	0	
15/04/2020 12:00	314	0	0.5	26.2	42	1015.1	0	
15/04/2020 12:30	71	0.7	1.4	27.2	37.4	1014.5	0	
15/04/2020 13:00	355	0	0.6	27.5	34.9	1014.2	0	
15/04/2020 13:30	8	0.1	0.7	28.3	33.7	1013.3	0	
15/04/2020 14:00	50	0.1	1.1	29.1	29.6	1013	0	
15/04/2020 14:30	349	0	0.7	29.5	30.5	1012.7	0	
15/04/2020 15:00	35	0.2	1.3	29.5	28.9	1012.4	0	
15/04/2020 15:30	53	0.1	1	29.8	30.3	1011.8	0	
15/04/2020 16:00	67	0.6	2	29.6	30.3	1011.8	0	
15/04/2020 16:30	267	0	0.2	29.3	34.6	1011.7	0	
15/04/2020 17:00	148	0.1	1	27.6	47.1	1011.7	0	
15/04/2020 17:30	155	0.4	0.7	25.9	53.5	1011.8	0	



15/04/2020 18:00	210	0	0.1	23.9	62.4	1011.8	0	
15/04/2020 18:30	188	0	0.3	22.1	69.5	1011.9	0	
15/04/2020 19:00	211	0	0.2	21.1	73.4	1012	0	
15/04/2020 19:30	187	0	0.1	20.5	77.4	1012.3	0	
15/04/2020 20:00	304	0	0.1	20.1	77.7	1012	0	
15/04/2020 20:30	333	0	0.1	19.3	80.7	1012.1	0	
15/04/2020 21:00	183	0.1	0.3	18.9	83.2	1012	0	
15/04/2020 21:30	148	0	0.2	18.8	84.8	1011.9	0	
15/04/2020 22:00	132	0	0.1	18.5	84.2	1011.9	0	
15/04/2020 22:30	293	0	0.3	18.4	85.2	1011.3	0	
15/04/2020 23:00	204	0	0.3	19	78.9	1010.8	0	
15/04/2020 23:30	340	0.1	0.3	18.8	77.6	1010.3	0	
16/04/2020 0:00	259	0	0.2	18.9	75.7	1010.1	0	
16/04/2020 0:30	318	0	0.3	18.2	78.7	1009.7	0	
16/04/2020 1:00	323	0	0.4	18.8	72	1009.4	0	
16/04/2020 1:30	5	0	0.1	18.4	72.9	1008.8	0	
16/04/2020 2:00	217	0.2	0.5	18.2	72.4	1008.6	0	
16/04/2020 2:30	157	0	0.1	18	72.8	1008.6	0	
16/04/2020 3:00	238	0	0.2	17.4	74.6	1007.9	0	
16/04/2020 3:30	354	0	0.3	17.4	73.5	1007.9	0.03	
16/04/2020 4:00	78	0	0.3	17.6	70.9	1008.3	0.03	
16/04/2020 4:30	189	0	0.2	17.4	71.3	1008.4	0.04	
16/04/2020 5:00	151	0	0.3	17	75.2	1008.4	0.04	
16/04/2020 5:30	219	0	0.2	17.2	75.2	1008.6	0.1	
16/04/2020 6:00	227	0	0.4	17.8	70.9	1008.7	0.1	
16/04/2020 6:30	21	0	0.4	18.6	69.1	1008.8	0.1	
16/04/2020 7:00	324	0	0.2	19	68.5	1008.9	0.1	
16/04/2020 7:30	73	0	0.3	19.4	65.8	1008.9	0.1	
16/04/2020 8:00	339	0.3	1.4	19.9	64.9	1008.7	0.1	
16/04/2020 8:30	316	0.2	0.7	19.9	65.8	1008.3	0.1	
16/04/2020 9:00	334	0	0.4	20.9	62.6	1008.3	0.1	0.1
16/04/2020 9:30	331	0.1	0.7	21.7	60.2	1008	0	
16/04/2020 10:00	300	0	0.5	22.7	60.2	1007.8	0	
16/04/2020 10:30	310	0.3	1.3	23.8	58	1007.6	0	
16/04/2020 11:00	286	0.1	1	24.3	57	1007	0	
16/04/2020 11:30	308	0.1	1.6	25.1	51.3	1006.5	0	
16/04/2020 12:00	331	0.1	1.2	25.4	49.2	1006	0	
16/04/2020 12:30	11	0.5	2.3	25.4	49.1	1005.4	0	
16/04/2020 13:00	23	0	1.1	25.4	48.8	1004.9	0	
16/04/2020 13:30	119	0.1	0.6	25.2	48	1004.4	0	
16/04/2020 14:00	324	0.1	0.9	25.1	49.3	1004	0	
16/04/2020 14:30	352	0.4	1.4	25.1	48.6	1003.8	0	
16/04/2020 15:00	345	0	0.7	24.9	49	1003.8	0	
16/04/2020 15:30	334	0.1	1.1	24.7	48.6	1003.5	0	
16/04/2020 16:00	5	0.2	1.5	24.9	48.6	1003.3	0	
16/04/2020 16:30	27	0.1	1.4	24.9	48.6	1003.2	0	
16/04/2020 17:00	20	0.2	1.7	24.6	49.2	1003.2	0	
16/04/2020 17:30	7	0.1	1.6	24.6	49	1003.5	0	
16/04/2020 18:00	211	0.1	0.7	24.6	51.5	1003.8	0	
16/04/2020 18:30	16	0	1.1	23.6	54.3	1004	0	
16/04/2020 19:00	335	0	0.4	23	54.6	1004.2	0	
16/04/2020 19:30	206	0	0.5	21.7	61.6	1004.2	0	
16/04/2020 20:00	201	0	0.3	20.5	67.1	1004.1	0	
16/04/2020 20:30	32	0.1	1	22.1	57.1	1004.1	0	
16/04/2020 21:00	0	0.3	1.5	23.6	49.1	1004	0	
16/04/2020 21:30	14	0.3	2.4	24.6	45.2	1004	0	
16/04/2020 22:00	268	0	0.2	24	48.3	1003.9	0	
16/04/2020 22:30	180	0.1	0.5	22.8	50	1003.7	0	
16/04/2020 23:00	140	0	0.2	21.4	56.1	1003.3	0	
16/04/2020 23:30	318	0.2	1	20.2	61.4	1003.2	0	
17/04/2020 0:00	217	0	0.4	21.8	56.8	1002.9	0	
17/04/2020 0:30	233	0	0.6	22.7	54.1	1002.9	0	
17/04/2020 1:00	210	0	0.5	22.7	53.1	1003.1	0	
17/04/2020 1:30	289	0	0.3	22.2	53	1003.2	0	
17/04/2020 2:00	180	0.2	0.4	20.8	57.8	1003.1	0	
17/04/2020 2:30	169	0.1	0.3	19.5	64	1003.3	0	
17/04/2020 3:00	183	0.4	0.7	18.1	74.2	1003.5	0	
17/04/2020 3:30	125	0.3	0.7	17.7	78.3	1003.8	0	
17/04/2020 4:00	198	0.1	0.6	17.1	80.8	1004.1	0.03	
17/04/2020 4:30	285	0	0.1	16.7	83.4	1004.3	0.03	
17/04/2020 5:00	195	0	0.2	16.2	86.2	1004.4	0.03	
17/04/2020 5:30	153	0.2	0.5	15.6	88.1	1004.6	0.03	
17/04/2020 6:00	0	0	0.2	15.3	84.5	1004.8	0.03	
17/04/2020 6:30	28	0	0.6	16.3	63.8	1005.2	0.03	
17/04/2020 7:00	119	0	0.5	18.1	53.6	1005.5	0.03	
17/04/2020 7:30	354	0	0.4	19.5	49.4	1005.8	0.03	
17/04/2020 8:00	200	0.1	0.6	21.5	44.7	1006.1	0.03	
17/04/2020 8:30	126	0.2	0.8	22.3	41.5	1006	0.03	
17/04/2020 9:00	287	0	0.7	22.6	39.9	1005.9	0.03	0.03
17/04/2020 9:30	190	0	0.4	22.5	43.4	1005.6	0	
17/04/2020 10:00	322	0.2	1.1	22.7	42.1	1005.7	0	
17/04/2020 10:30	13	0.1	1.1	24.2	35.6	1005.8	0	
17/04/2020 11:00	330	0.2	1.7	24.4	35.6	1005.6	0	
17/04/2020 11:30	203	0.1	0.8	25.1	32.1	1005.1	0	
17/04/2020 12:00	331	0	0.9	25.3	30.1	1004.8	0	
17/04/2020 12:30	218	0.1	0.8	25.9	25.2	1004.2	0	
17/04/2020 13:00	341	0	1.1	26.6	27.1	1003.7	0	
17/04/2020 13:30	49	0.1	0.8	26.8	27.6	1003.6	0	
17/04/2020 14:00	356	0.1	0.9	28.2	18.5	1003.4	0	
17/04/2020 14:30	342	0.1	0.9	28.2	18	1003.2	0	
17/04/2020 15:00	103	0.1	0.6	28.5	17.2	1003.2	0	
17/04/2020 15:30	214	0	1.1	27.7	20.4	1003.3	0	
17/04/2020 16:00	22	0.1	0.6	26.8	20.7	1003.4	0	
17/04/2020 16:30	272	0	0.7	26.1	19.8	1003.6	0	
17/04/2020 17:00	311	0.1	0.5	24.5	22.4	1004	0	

17/04/2020 17:30	217	0	0.3	22.1	28.2	1004.4	0.03	
17/04/2020 18:00	204	0.1	0.3	19.5	32.5	1004.5	0.03	
17/04/2020 18:30	83	0	0.3	19.4	27.7	1004.8	0.03	
17/04/2020 19:00	335	0	0.4	19.5	29.2	1005.1	0.03	
17/04/2020 19:30	234	0	0.2	18	35.3	1005.4	0.03	
17/04/2020 20:00	71	0	0.1	16.4	42	1005.6	0.03	
17/04/2020 20:30	59	0.1	0.2	15.7	47.5	1005.8	0.03	
17/04/2020 21:00	224	0	0.2	14.6	47	1006.1	0.03	
17/04/2020 21:30	259	0.1	0.6	14.5	45.7	1006.2	0.03	
17/04/2020 22:00	117	0.1	0.3	13.9	57.3	1006.5	0.03	
17/04/2020 22:30	133	0	0.1	12.8	58.1	1006.6	0.03	
17/04/2020 23:00	181	0	0.2	12.4	53.1	1006.7	0.03	
17/04/2020 23:30	177	0	0.1	11.9	63.1	1006.8	0.03	
18/04/2020 0:00	214	0.1	0.4	11.2	67.1	1006.8	0.03	
18/04/2020 0:30	120	0.5	0.8	11.4	67.5	1006.8	0.03	
18/04/2020 1:00	139	0	0.1	11.9	65.9	1006.7	0.03	
18/04/2020 1:30	58	0	0.2	10.6	72.6	1006.6	0.03	
18/04/2020 2:00	345	0	0.2	10.5	71.3	1006.4	0.03	
18/04/2020 2:30	246	0	0.2	10	74.8	1006.2	0.03	
18/04/2020 3:00	210	0.1	0.3	9.8	74.5	1006.1	0.03	
18/04/2020 3:30	233	0	0.2	9.6	78.2	1006	0.03	
18/04/2020 4:00	206	0	0.3	9.4	79.4	1006.2	0.03	
18/04/2020 4:30	84	0.1	0.4	9.7	76.8	1006.2	0.03	
18/04/2020 5:00	237	0	0.1	9.6	78.9	1006.5	0.03	
18/04/2020 5:30	220	0	0.4	9	80.6	1006.8	0.03	
18/04/2020 6:00	150	0.1	0.2	9.3	80.5	1007	0.03	
18/04/2020 6:30	203	0	0.3	10	76.2	1007.2	0	
18/04/2020 7:00	107	0	0.2	10.6	79.4	1007.5	0	
18/04/2020 7:30	216	0	0.3	13.2	69.9	1007.9	0.01	
18/04/2020 8:00	299	0	0.4	14.1	59	1008.2	0.01	
18/04/2020 8:30	324	0.1	1.1	14.9	55.3	1008.4	0.01	
18/04/2020 9:00	311	0	0.3	15.9	51.2	1008.6	0.01	0.01
18/04/2020 9:30	226	0.1	0.6	17.9	46.5	1008.4	0	
18/04/2020 10:00	211	0.1	1.3	18.9	41.4	1008	0	
18/04/2020 10:30	219	0	0.9	19.6	41.4	1007.7	0	
18/04/2020 11:00	213	0.1	1.1	20.5	40.7	1007.3	0	
18/04/2020 11:30	298	0.1	0.4	22.3	35.3	1006.9	0	
18/04/2020 12:00	166	0.6	1.9	22.8	33.2	1006.6	0	
18/04/2020 12:30	200	0	0.5	23	30.9	1006.4	0	
18/04/2020 13:00	139	0.1	0.7	23.7	29.9	1005.9	0	
18/04/2020 13:30	153	0.2	1.8	24.5	27	1005.3	0	
18/04/2020 14:00	114	0.2	1.2	24.8	27.2	1005.1	0	
18/04/2020 14:30	224	0	1.1	24.7	28.5	1005	0	
18/04/2020 15:00	142	0	0.3	25	29.2	1005	0	
18/04/2020 15:30	81	0.8	1.9	23.9	32.2	1005	0	
18/04/2020 16:00	114	0.3	1.4	22.8	33.5	1005.2	0	
18/04/2020 16:30	96	0.3	2.1	22.1	35.8	1005.2	0	
18/04/2020 17:00	80	0.5	1.9	21	41.7	1005.3	0	
18/04/2020 17:30	103	0.4	1.6	20	46.7	1005.6	0	
18/04/2020 18:00	162	0	0.4	19	51.5	1005.9	0	
18/04/2020 18:30	170	0.1	0.2	17	59.1	1006.5	0	
18/04/2020 19:00	121	0.1	0.2	15.9	67.6	1006.8	0	
18/04/2020 19:30	137	0	0.2	14.9	70.8	1007	0	
18/04/2020 20:00	179	0	0.1	14.3	73.7	1007.3	0	
18/04/2020 20:30	29	0	0.2	14.2	72.3	1007.9	0	
18/04/2020 21:00	194	0	0.2	13.3	76.1	1008.2	0	
18/04/2020 21:30	210	0	0.2	12.8	78.7	1008.2	0	
18/04/2020 22:00	190	0	0.1	12.7	80.8	1008.2	0	
18/04/2020 22:30	197	0	0.2	12.3	81.9	1008	0	
18/04/2020 23:00	1	0.1	0.3	11.6	83.2	1007.8	0	
18/04/2020 23:30	168	0.1	0.2	11.5	85.7	1007.8	0	
19/04/2020 0:00	203	0.1	0.2	11.5	86.4	1007.7	0	
19/04/2020 0:30	16	0	0.1	11.3	86.4	1007.5	0	
19/04/2020 1:00	206	0	0.2	11.3	86.8	1007.5	0	
19/04/2020 1:30	16	0	0.2	11	87.4	1007.4	0	
19/04/2020 2:00	176	0	0.2	10.8	87.8	1007.3	0	
19/04/2020 2:30	167	0	0.3	10.5	88.1	1007.3	0	
19/04/2020 3:00	84	0	0.2	10.6	88.7	1007.2	0	
19/04/2020 3:30	204	0.1	0.2	10.6	88.4	1007.1	0	
19/04/2020 4:00	173	0	0.1	10.2	88.6	1007.2	0	
19/04/2020 4:30	150	0	0.2	10.5	89.3	1007.4	0	
19/04/2020 5:00	185	0.1	0.3	10.4	89.9	1007.5	0	
19/04/2020 5:30	80	0	0.3	10.4	89.8	1007.8	0	
19/04/2020 6:00	222	0	0.2	10	88.8	1008.2	0	
19/04/2020 6:30	196	0	0.2	9.9	89.5	1008.2	0	
19/04/2020 7:00	333	0	0.2	10.2	90.2	1008.2	0	
19/04/2020 7:30	116	0	0.2	12.3	91.6	1008.5	0	
19/04/2020 8:00	324	0	0.4	14.1	82.5	1009.2	0	
19/04/2020 8:30	157	0.1	1	16.3	60.8	1009.2	0	
19/04/2020 9:00	116	0	0.6	18	55.4	1009.1	0	0
19/04/2020 9:30	156	0.5	1.7	18.1	59.6	1008.9	0.02	
19/04/2020 10:00	128	0.1	1.1	19.8	57.3	1008.9	0.02	
19/04/2020 10:30	148	0.3	1.8	20.1	57.2	1008.7	0.02	
19/04/2020 11:00	190	0.2	0.9	21.3	54.5	1008.5	0.02	
19/04/2020 11:30	140	0.3	1.4	21.3	53.4	1008.1	0.02	
19/04/2020 12:00	99	0.2	1.3	22.1	51.5	1007.7	0.02	
19/04/2020 12:30	119	0.1	0.7	22.6	49.5	1007.6	0.02	
19/04/2020 13:00	123	0.2	1.3	23.1	47.8	1007	0.02	
19/04/2020 13:30	126	0.2	2.1	23.6	44.4	1006.8	0.02	
19/04/2020 14:00	158	0.6	1.6	21.8	48.6	1006.8	0.02	
19/04/2020 14:30	155	0.3	1.6	22.3	50.8	1007	0.02	
19/04/2020 15:00	173	0.3	1.6	22.5	51	1007	0.02	
19/04/2020 15:30	99	0.2	1.6	22.5	51.1	1007.2	0.02	
19/04/2020 16:00	113	0	1.5	21.7	52.6	1006.8	0.02	
19/04/2020 16:30	148	0.8	2.4	21.1	55.6	1006.6	0.02	

19/04/2020 17:00	99	0.3	2	20.2	59.8	1006.6	0.02	
19/04/2020 17:30	138	0.2	1.1	19.3	65.6	1007.1	0.02	
19/04/2020 18:00	142	0.1	0.8	18.5	69.8	1007.8	0.02	
19/04/2020 18:30	153	0.6	1.1	17.9	72.8	1008.4	0.02	
19/04/2020 19:00	163	0.1	0.4	17.6	75	1008.8	0.02	
19/04/2020 19:30	202	0	0.2	16.6	79	1009.3	0.02	
19/04/2020 20:00	229	0	0.2	15.6	82.9	1009.7	0.02	
19/04/2020 20:30	132	0	0.1	14.9	84	1009.9	0.02	
19/04/2020 21:00	208	0	0.1	14.4	85.7	1010.2	0.02	
19/04/2020 21:30	181	0	0.2	14	87.1	1010.2	0.02	
19/04/2020 22:00	216	0	0.1	13.6	88.2	1010.3	0.02	
19/04/2020 22:30	153	0	0.1	13.5	88.9	1009.9	0.02	
19/04/2020 23:00	263	0	0.2	13.3	89.5	1009.4	0.02	
19/04/2020 23:30	177	0	0.2	13.3	90.3	1009.4	0.02	
20/04/2020 0:00	121	0	0.1	13.2	90.5	1009	0.02	
20/04/2020 0:30	217	0	0.2	12.8	90.5	1008.8	0.02	
20/04/2020 1:00	170	0.1	0.3	12.5	90.7	1008.6	0.02	
20/04/2020 1:30	148	0	0.1	12.3	90.8	1008.5	0.02	
20/04/2020 2:00	211	0	0.2	12.2	91.5	1008.4	0.02	
20/04/2020 2:30	329	0	0.1	12.2	91.4	1008.3	0.02	
20/04/2020 3:00	180	0.1	0.3	12.3	92.1	1008.1	0.02	
20/04/2020 3:30	197	0	0.2	12.7	91.8	1008.2	0.02	
20/04/2020 4:00	205	0.1	0.3	12.7	91.6	1008.7	0.04	
20/04/2020 4:30	167	0	0.2	13.3	91.9	1008.7	0.04	
20/04/2020 5:00	70	0	0.3	13.5	91.7	1008.7	0.04	
20/04/2020 5:30	51	0	0.5	13.6	90.9	1008.6	0.04	
20/04/2020 6:00	341	0	0.4	13.8	90.1	1008.7	0.04	
20/04/2020 6:30	254	0	0.4	13.8	89.5	1009.8	0.04	
20/04/2020 7:00	268	0	0.3	13.3	88.4	1010.2	0.04	
20/04/2020 7:30	120	0	0.2	13.9	87.7	1010.2	0.04	
20/04/2020 8:00	59	0	0.7	14.2	84.9	1010.7	0.04	
20/04/2020 8:30	252	0	0.5	14.7	83.5	1010.8	0.04	
20/04/2020 9:00	351	0.4	1	14.8	81.2	1010.1	0.04	0.04
20/04/2020 9:30	340	0	1	15.4	79	1010.3	0	
20/04/2020 10:00	255	0	0.2	15.9	79	1010.6	0	
20/04/2020 10:30	321	0.1	0.6	16.3	77.1	1010	0	
20/04/2020 11:00	7	0	0.5	16.8	73.2	1010.2	0	
20/04/2020 11:30	82	0	0.3	17.8	68.7	1009.5	0	
20/04/2020 12:00	221	0	0.4	18.4	67.3	1009.3	0	
20/04/2020 12:30	15	0.3	1.6	18.4	63.2	1008.5	0	
20/04/2020 13:00	310	0	0.4	18.9	60.2	1008.2	0	
20/04/2020 13:30	4	0.2	1.3	19.4	56.7	1007.4	0	
20/04/2020 14:00	0	0	0.5	19.4	50.7	1007	0	
20/04/2020 14:30	347	0.1	1.5	19.6	49.2	1007.1	0	
20/04/2020 15:00	225	0.1	0.8	19.5	47.9	1007	0	
20/04/2020 15:30	348	0.2	1.2	19.5	49	1007	0	
20/04/2020 16:00	345	0.1	1.6	19.5	49.2	1007	0	
20/04/2020 16:30	302	0.1	0.8	19.5	51.5	1007	0	
20/04/2020 17:00	21	0.3	1.6	19.7	51.1	1007.2	0	
20/04/2020 17:30	3	0.2	1.4	19.6	51.2	1007.7	0	
20/04/2020 18:00	253	0	0.3	19	55.3	1008.3	0	
20/04/2020 18:30	284	0	0.3	18.4	56.4	1008.9	0	
20/04/2020 19:00	228	0.1	0.5	18.5	55.8	1009.4	0	
20/04/2020 19:30	327	0.1	0.4	18.1	57	1010.2	0	
20/04/2020 20:00	277	0	0.3	17.7	59.3	1010.2	0	
20/04/2020 20:30	217	0	0.3	17.2	63	1010.5	0	
20/04/2020 21:00	153	0	0.1	16.5	67.9	1011.1	0	
20/04/2020 21:30	146	0.1	0.3	15.4	72.3	1011.2	0	
20/04/2020 22:00	200	0.1	0.2	14.9	76.3	1011.3	0	
20/04/2020 22:30	27	0.1	0.5	14.9	74.3	1011.3	0	
20/04/2020 23:00	218	0	0.1	15.3	73.3	1011.1	0	
20/04/2020 23:30	54	0	0.2	15.5	71.4	1011	0	
21/04/2020 0:00	191	0.1	0.2	15.5	71.8	1011.3	0	
21/04/2020 0:30	236	0	0.1	15	76.7	1011.1	0	
21/04/2020 1:00	186	0	0.1	14.9	76.1	1011.5	0	
21/04/2020 1:30	145	0.1	0.4	14.6	75.7	1011.8	0	
21/04/2020 2:00	123	0.1	0.4	14.1	79.2	1011.7	0	
21/04/2020 2:30	214	0.1	0.2	13.3	81.7	1011.5	0	
21/04/2020 3:00	165	0	0.1	13	83.5	1011.3	0	
21/04/2020 3:30	185	0	0.1	12.7	84.5	1011.4	0	
21/04/2020 4:00	113	0	0.2	12.3	85.1	1011.4	0	
21/04/2020 4:30	215	0	0.4	12.1	83.2	1011.5	0.02	
21/04/2020 5:00	226	0.2	0.3	12.1	81.3	1011.8	0.02	
21/04/2020 5:30	160	0	0.1	11.9	83.7	1012.1	0.05	
21/04/2020 6:00	73	0	0.1	11.3	85.9	1012.3	0.05	
21/04/2020 6:30	185	0	0.1	11	87.2	1012.7	0.05	
21/04/2020 7:00	236	0	0.1	11.1	89.1	1012.7	0.05	
21/04/2020 7:30	60	0.3	0.7	14.9	78.7	1013.3	0.05	
21/04/2020 8:00	6	0	0.2	17.3	66.9	1013.7	0.05	
21/04/2020 8:30	27	0.1	0.6	19	55.2	1013.9	0.05	
21/04/2020 9:00	70	0.1	0.8	19.9	50.4	1013.7	0.05	0.05
21/04/2020 9:30	97	0	0.5	19.9	50.1	1013.7	0	
21/04/2020 10:00	10	0	0.4	21.1	48.6	1013.2	0	
21/04/2020 10:30	37	0.1	1	21.5	44.5	1012.9	0	
21/04/2020 11:00	257	0.1	0.4	22.4	44	1012.4	0	
21/04/2020 11:30	46	0	0.6	22.9	40.2	1012.1	0	
21/04/2020 12:00	280	0.1	1.1	23.6	39.3	1011.6	0	
21/04/2020 12:30	322	0.2	0.8	24.1	38.9	1010.9	0	
21/04/2020 13:00	14	0.1	2	25.1	33.8	1010.1	0	
21/04/2020 13:30	177	0.1	0.8	25.3	34.3	1009.5	0	
21/04/2020 14:00	324	0.1	1	25.6	34.5	1009.4	0	
21/04/2020 14:30	67	0.6	2.9	25.4	35.2	1008.9	0	
21/04/2020 15:00	24	0.1	1.1	25.5	37.1	1008.9	0	
21/04/2020 15:30	10	0	0.9	25.5	37.6	1008.7	0	
21/04/2020 16:00	25	0	0.8	25.1	37.2	1008.5	0	



21/04/2020 16:30	30	0	0.6	24.7	38.9	1008.3	0	
21/04/2020 17:00	337	0	0.4	23.3	46.6	1008.2	0	
21/04/2020 17:30	25	0.1	1.1	22.7	46.7	1008.5	0	
21/04/2020 18:00	351	0.1	1	22.4	47.5	1008.9	0	
21/04/2020 18:30	278	0	0.2	21.9	52.3	1009.4	0	
21/04/2020 19:00	216	0.3	0.6	21.4	55.3	1009.4	0	
21/04/2020 19:30	315	0	0.2	20.9	56.9	1009.7	0	
21/04/2020 20:00	181	0	0.1	20.6	57.7	1009.8	0	
21/04/2020 20:30	240	0	0.4	19.7	57.7	1009.8	0	
21/04/2020 21:00	215	0.1	0.5	20.8	47.4	1010.3	0	
21/04/2020 21:30	21	0	0.2	20.5	49.2	1010.8	0.01	
21/04/2020 22:00	195	0	0.2	19.3	52.2	1010.9	0.01	
21/04/2020 22:30	204	0.1	0.4	17.4	60.7	1010.8	0.01	
21/04/2020 23:00	337	0.1	0.4	17.2	60.8	1010.7	0.01	
21/04/2020 23:30	148	0	0.2	18	56.8	1010.9	0.01	
22/04/2020 0:00	215	0.3	0.4	16.6	64.6	1010.8	0.01	
22/04/2020 0:30	45	0	0.1	15.9	70.2	1010.8	0.01	
22/04/2020 1:00	162	0.1	0.3	15.9	69.7	1010.8	0.01	
22/04/2020 1:30	324	0	0.2	15.7	69.6	1010.5	0.01	
22/04/2020 2:00	259	0	0.2	16.2	66.6	1010.4	0.01	
22/04/2020 2:30	185	0	0.3	15.7	67.7	1010.4	0.01	
22/04/2020 3:00	198	0	0.3	14.5	72.8	1010.3	0.01	
22/04/2020 3:30	292	0	0.3	13.9	75.5	1010.4	0.03	
22/04/2020 4:00	190	0	0.1	13	80.3	1010.4	0.03	
22/04/2020 4:30	322	0.1	0.4	12.8	85.2	1010.4	0.03	
22/04/2020 5:00	296	0	0.3	12.8	86.9	1010.8	0.03	
22/04/2020 5:30	158	0.1	0.4	12.7	87.6	1011.1	0.03	
22/04/2020 6:00	203	0.1	0.4	12.2	87.2	1011.2	0.03	
22/04/2020 6:30	199	0	0.2	12.1	86.1	1011.6	0.03	
22/04/2020 7:00	229	0	0.3	13.5	81.5	1012.2	0.03	
22/04/2020 7:30	250	0	0.3	15.3	73.2	1012.5	0.03	
22/04/2020 8:00	298	0	0.4	17.7	61.2	1013.1	0.06	
22/04/2020 8:30	20	0	0.2	19.3	57.8	1013.6	0.06	
22/04/2020 9:00	257	0.1	0.8	20.9	45.8	1013.7	0.06	0.06
22/04/2020 9:30	174	0.1	1.3	21.7	41	1013.7	0	
22/04/2020 10:00	278	0	0.9	22.6	40.2	1013.4	0	
22/04/2020 10:30	194	0.1	1.3	23.3	36.9	1013.3	0	
22/04/2020 11:00	106	0	1.2	24	35.6	1013.2	0	
22/04/2020 11:30	149	0.1	1.5	24.5	33.8	1012.9	0	
22/04/2020 12:00	186	0.6	3	25	33.3	1012.3	0	
22/04/2020 12:30	201	0.2	1.4	25.2	32.7	1012.1	0	
22/04/2020 13:00	187	0.1	1.2	25.8	32.4	1011.6	0	
22/04/2020 13:30	152	0.1	1	26.3	33	1011.1	0	
22/04/2020 14:00	212	0	0.7	26.1	32.5	1010.9	0	
22/04/2020 14:30	172	0.1	0.9	26.3	31.2	1010.7	0	
22/04/2020 15:00	194	0.1	1.1	26.8	27.7	1010.8	0	
22/04/2020 15:30	173	1.5	3.5	25.6	31	1010.9	0	
22/04/2020 16:00	181	0.4	1.8	25.1	31	1010.8	0	
22/04/2020 16:30	56	0.1	0.5	24.9	33.5	1010.8	0	
22/04/2020 17:00	141	0	0.4	23.8	35.3	1010.9	0	
22/04/2020 17:30	48	0	0.2	22.2	39.1	1011.4	0	
22/04/2020 18:00	116	0	0.2	19.8	48.4	1011.5	0	
22/04/2020 18:30	5	0	0.2	19.5	53.9	1012	0	
22/04/2020 19:00	208	0	0.2	18.3	60	1012.5	0	
22/04/2020 19:30	82	0	0.1	16.8	65.5	1012.7	0	
22/04/2020 20:00	183	0	0.1	15.8	71.4	1012.8	0	
22/04/2020 20:30	111	0	0.2	15.2	74.7	1013.1	0	
22/04/2020 21:00	220	0	0.2	14.5	76.9	1013.2	0	
22/04/2020 21:30	208	0.1	0.3	13.7	79.4	1013.4	0	
22/04/2020 22:00	131	0.1	0.4	13.7	84.7	1013.7	0	
22/04/2020 22:30	188	0	0.2	13.8	86.5	1013.7	0	
22/04/2020 23:00	350	0	0.5	13.2	86	1013.7	0	
22/04/2020 23:30	211	0	0.2	12.8	86.7	1013.6	0	
23/04/2020 0:00	156	0	0.1	12.4	84.8	1013.6	0	
23/04/2020 0:30	187	0.3	0.5	12.9	82	1013.8	0	
23/04/2020 1:00	142	0	0.1	12.5	83.6	1013.8	0	
23/04/2020 1:30	251	0	0.1	11.9	82.7	1014.1	0	
23/04/2020 2:00	129	0.3	0.7	11.5	83.6	1014.1	0	
23/04/2020 2:30	122	0	0.2	11.2	81.5	1014.2	0	
23/04/2020 3:00	180	0.2	0.4	11	85.1	1014	0	
23/04/2020 3:30	194	0	0.1	10.5	84.7	1014	0	
23/04/2020 4:00	149	0.1	0.3	10.3	85.6	1014.2	0	
23/04/2020 4:30	305	0	0.1	10.4	84	1014.5	0.05	
23/04/2020 5:00	126	0	0.1	10.1	82.8	1014.6	0.05	
23/04/2020 5:30	146	0	0.1	9.9	84.4	1014.6	0.05	
23/04/2020 6:00	215	0	0.2	10.5	84.9	1014.6	0.05	
23/04/2020 6:30	24	0	0.5	10.7	83.6	1014.7	0.05	
23/04/2020 7:00	317	0.3	1	11.4	79.8	1015	0.05	
23/04/2020 7:30	218	0	0.1	12.5	74.2	1015.6	0.05	
23/04/2020 8:00	290	0.1	0.6	13.6	68.1	1016.2	0.05	
23/04/2020 8:30	253	0	0.3	15.1	64.8	1016.2	0.05	
23/04/2020 9:00	323	0.1	0.7	16.1	59.9	1016	0.05	0.05
23/04/2020 9:30	37	0.1	0.8	17.3	53.8	1015.7	0	
23/04/2020 10:00	142	0.1	1	18.8	51.4	1015.5	0	
23/04/2020 10:30	51	0.1	1	19.6	49.3	1015.2	0	
23/04/2020 11:00	316	0.2	1	20.6	43.8	1014.7	0	
23/04/2020 11:30	328	0.1	1	21.6	37.9	1014	0	
23/04/2020 12:00	348	0.1	1.3	22.6	33.6	1013.4	0	
23/04/2020 12:30	328	0.1	0.9	22.9	36.7	1012.8	0	
23/04/2020 13:00	352	0.2	1.6	23.6	32	1012.1	0	
23/04/2020 13:30	16	0.4	2.3	24.3	32.3	1011.5	0	
23/04/2020 14:00	345	0.1	1.3	24.3	32.9	1011.2	0	
23/04/2020 14:30	12	0.1	1.8	24.6	33.3	1010.7	0	
23/04/2020 15:00	72	0.1	1.4	24.6	33.3	1010.4	0	
23/04/2020 15:30	18	0.3	1.8	24.4	34.5	1010.4	0	

23/04/2020 16:00	12	0	1	24.4	34	1010.1	0	
23/04/2020 16:30	69	0.2	1	24.1	35.1	1010	0	
23/04/2020 17:00	326	0	0.4	22.8	40.4	1010.1	0	
23/04/2020 17:30	195	0	0.1	20.9	48.3	1010.1	0	
23/04/2020 18:00	167	0.2	0.4	19.8	51.2	1010.3	0	
23/04/2020 18:30	218	0	0.4	19.3	52.6	1010.4	0	
23/04/2020 19:00	165	0	0.2	19.5	52.5	1010.7	0	
23/04/2020 19:30	197	0	0.2	18.4	57.6	1011	0	
23/04/2020 20:00	196	0.2	0.5	18.4	57.7	1011.3	0	
23/04/2020 20:30	214	0	0.2	18.2	59.8	1011.2	0	
23/04/2020 21:00	173	0	0.1	17.8	63.6	1011.2	0	
23/04/2020 21:30	203	0	0.2	17.2	65.6	1011.4	0	
23/04/2020 22:00	244	0	0.3	16.7	67.4	1011.2	0	
23/04/2020 22:30	332	0	0.3	16.5	71.1	1010.8	0	
23/04/2020 23:00	321	0	0.2	17.2	63.3	1010.3	0	
23/04/2020 23:30	134	0	0.2	16.8	63.1	1010.3	0	
24/04/2020 0:00	247	0.1	0.3	16.8	63.9	1010	0	
24/04/2020 0:30	356	0	0.5	17	62.1	1010.2	0	
24/04/2020 1:00	347	0.1	0.6	17.8	56.3	1009.8	0	
24/04/2020 1:30	227	0	0.2	18.2	56.4	1009.4	0	
24/04/2020 2:00	346	0.1	0.6	17.8	55.5	1009.6	0	
24/04/2020 2:30	196	0.1	0.3	17.5	58.1	1009.7	0	
24/04/2020 3:00	188	0	0.2	17.4	58.9	1010.1	0	
24/04/2020 3:30	244	0.1	0.5	17.6	56.5	1010.2	0	
24/04/2020 4:00	262	0	0.3	17.3	57.2	1010.1	0	
24/04/2020 4:30	205	0	0.3	17.1	58.7	1010.1	0.05	
24/04/2020 5:00	195	0	0.3	16.7	63.5	1010.3	0.06	
24/04/2020 5:30	168	0	0.2	16.6	68.4	1010.3	0	
24/04/2020 6:00	132	0.1	0.3	16	70.7	1010.6	0	
24/04/2020 6:30	224	0	0.5	14.9	72.3	1011	0	
24/04/2020 7:00	204	0.1	0.4	14.8	70.5	1011.1	0	
24/04/2020 7:30	21	0	0.3	16.9	64.8	1011.3	0	
24/04/2020 8:00	282	0	0.7	19.3	59.2	1011.6	0	
24/04/2020 8:30	2	0.2	1.3	20.4	53.2	1011.8	0	
24/04/2020 9:00	15	0.1	0.5	21.4	49.9	1012	0	0
24/04/2020 9:30	348	0.1	1.4	23.2	41.7	1011.9	0	
24/04/2020 10:00	311	0.1	0.6	23.9	40.5	1011.7	0	
24/04/2020 10:30	269	0.1	0.8	24.7	36.1	1011.5	0	
24/04/2020 11:00	215	0.2	1	25.6	32.7	1011.5	0	
24/04/2020 11:30	177	0	0.4	26.8	33.2	1011.4	0	
24/04/2020 12:00	170	0.2	2.7	26.9	31.9	1011.2	0	
24/04/2020 12:30	175	0.1	1.6	27.3	32.3	1010.7	0	
24/04/2020 13:00	182	1	2.8	27	32.3	1010.2	0	
24/04/2020 13:30	179	0	0.7	27.3	30.9	1009.9	0	
24/04/2020 14:00	154	0	1	28.4	29.5	1009.8	0	
24/04/2020 14:30	176	0.1	1.3	28.9	27.9	1009.9	0	
24/04/2020 15:00	187	0.5	3.1	28.7	26.5	1010.2	0	
24/04/2020 15:30	157	0.1	1.8	28	28.6	1010.2	0	
24/04/2020 16:00	154	0.1	0.4	27.6	30.7	1010.3	0	
24/04/2020 16:30	175	0	0.5	26.9	30.8	1010.5	0	
24/04/2020 17:00	141	0.2	0.6	25.7	35.1	1010.9	0	
24/04/2020 17:30	144	0	0.3	24.3	41	1011.4	0	
24/04/2020 18:00	153	0.9	1.5	23	42.5	1012	0	
24/04/2020 18:30	194	0.1	0.3	22.1	46.1	1012.7	0	
24/04/2020 19:00	197	0	0.2	20.1	54.7	1013.1	0	
24/04/2020 19:30	192	0	0.2	18.8	60.2	1013.2	0	
24/04/2020 20:00	247	0	0.1	17.8	65.4	1013.6	0	
24/04/2020 20:30	144	0	0.1	17	68.1	1013.8	0	
24/04/2020 21:00	192	0	0.2	16.3	72.4	1013.9	0	
24/04/2020 21:30	158	0.2	0.3	15.8	72.5	1014.3	0	
24/04/2020 22:00	140	0.1	0.3	15.4	77.4	1014.5	0	
24/04/2020 22:30	167	0	0.2	15.3	82.7	1014.5	0	
24/04/2020 23:00	139	0.1	0.2	14.7	84.3	1014.7	0	
24/04/2020 23:30	198	0	0.2	14.5	84.3	1014.7	0	
25/04/2020 0:00	218	0	0.2	14.4	85.5	1014.7	0	
25/04/2020 0:30	164	0.3	0.3	14	85.6	1014.7	0	
25/04/2020 1:00	209	0	0.1	13.6	86.3	1014.6	0	
25/04/2020 1:30	230	0.1	0.3	13.6	87.7	1014.6	0	
25/04/2020 2:00	224	0	0.2	13.5	88.2	1014.7	0	
25/04/2020 2:30	190	0.1	0.3	13.5	87.4	1014.6	0	
25/04/2020 3:00	346	0	0.2	13.1	87	1014.6	0	
25/04/2020 3:30	159	0	0.1	12.7	87.3	1014.4	0	
25/04/2020 4:00	193	0	0.1	12.2	87.5	1014.4	0	
25/04/2020 4:30	193	0	0.1	12.1	88.6	1014.7	0	
25/04/2020 5:00	213	0	0.2	11.8	88.3	1015	0	
25/04/2020 5:30	238	0	0.1	11.7	88.9	1015	0	
25/04/2020 6:00	214	0.2	0.3	11.8	89.4	1015.4	0	
25/04/2020 6:30	151	0	0.2	11.7	89.6	1015.5	0	
25/04/2020 7:00	354	0	0.2	12.6	90.4	1016	0.1	
25/04/2020 7:30	354	0	0.3	14.8	81.2	1016.4	0.1	
25/04/2020 8:00	356	0.1	0.6	16.7	69.5	1016.8	0.1	
25/04/2020 8:30	319	0	0.6	17.1	69.1	1016.8	0.1	
25/04/2020 9:00	30	0	0.5	19.3	58.8	1016.7	0.1	0.1
25/04/2020 9:30	328	0	0.3	19.5	59.9	1016.4	0	
25/04/2020 10:00	71	0	0.5	20.6	56.4	1016.3	0	
25/04/2020 10:30	303	0	0.5	21.6	54	1016.2	0	
25/04/2020 11:00	341	0.2	1	23.2	51.5	1015.7	0	
25/04/2020 11:30	335	0.1	0.5	24.8	45.7	1015	0	
25/04/2020 12:00	44	0.4	1.8	25.1	40.4	1014.3	0	
25/04/2020 12:30	358	0.1	1.2	26.1	37.3	1013.6	0	
25/04/2020 13:00	29	0.1	2.4	26.1	36.4	1013	0	
25/04/2020 13:30	354	0.3	1.7	26.9	36.4	1012.5	0	
25/04/2020 14:00	41	0.2	1.9	27.3	36.9	1012.1	0	
25/04/2020 14:30	345	0.1	1.3	27.2	35	1011.9	0	
25/04/2020 15:00	44	0.1	1.9	27.3	33.3	1011.8	0	

25/04/2020 15:30	17	0.1	2.4	27	35.3	1011.5	0	
25/04/2020 16:00	78	0	1	26.7	36.8	1011.3	0	
25/04/2020 16:30	35	0.1	1.8	26.3	38.2	1011.2	0	
25/04/2020 17:00	32	0	0.4	25.4	41.5	1011	0	
25/04/2020 17:30	72	0.5	1.8	24.3	50.6	1010.9	0	
25/04/2020 18:00	19	0	0.6	23.3	57.8	1011.2	0	
25/04/2020 18:30	161	0.2	0.4	21.9	63.3	1011.6	0	
25/04/2020 19:00	160	0	0.2	19.8	70.5	1011.8	0	
25/04/2020 19:30	156	0	0.4	19.5	72.6	1011.8	0	
25/04/2020 20:00	208	0	0.2	19.3	71.2	1012.1	0	
25/04/2020 20:30	350	0.2	0.4	19.1	71.5	1012.5	0	
25/04/2020 21:00	340	0.2	0.6	18.2	80.6	1012.4	0	
25/04/2020 21:30	177	0.1	0.3	17.2	83	1012.2	0	
25/04/2020 22:00	234	0.2	0.3	16.3	85.9	1012.1	0	
25/04/2020 22:30	207	0	0.1	15.8	86.7	1012	0	
25/04/2020 23:00	136	0	0.2	15.2	84.1	1011.7	0	
25/04/2020 23:30	177	0	0.3	14.7	84.1	1011.5	0	
26/04/2020 0:00	206	0	0.2	14.7	83.9	1011.4	0	
26/04/2020 0:30	209	0	0.4	15.4	78.2	1011.4	0	
26/04/2020 1:00	208	0.2	0.4	15.2	76.7	1011.3	0	
26/04/2020 1:30	11	0	0.3	14.8	79.7	1010.9	0	
26/04/2020 2:00	217	0	0.2	15.2	75.2	1010.6	0	
26/04/2020 2:30	354	0.4	1	15.2	74.1	1009.9	0	
26/04/2020 3:00	270	0	0.4	15.8	69.9	1009.4	0	
26/04/2020 3:30	334	0	0.4	15	72.3	1009.4	0	
26/04/2020 4:00	18	0.1	0.4	15.5	72	1008.9	0	
26/04/2020 4:30	214	0	0.6	15.1	72.9	1008.8	0	
26/04/2020 5:00	313	0.1	0.3	14	74.4	1008.6	0	
26/04/2020 5:30	327	0.1	0.5	13.8	76.3	1008.2	0	
26/04/2020 6:00	330	0.1	1.1	14.5	75.9	1008.3	0	
26/04/2020 6:30	338	0.1	1.2	15	70.3	1008.5	0	
26/04/2020 7:00	308	0	0.3	15.3	69.6	1009	0	
26/04/2020 7:30	304	0.1	0.7	16.3	66	1009.3	0	
26/04/2020 8:00	332	0.4	1.8	17.3	62.9	1009.7	0	
26/04/2020 8:30	344	0	0.7	18.1	58.4	1009.7	0	
26/04/2020 9:00	349	0.1	0.8	20	56	1009.7	0	0
26/04/2020 9:30	325	0.1	1.1	21	52.8	1009.6	0	
26/04/2020 10:00	9	0	0.9	22.2	49.2	1009.2	0	
26/04/2020 10:30	341	0.4	1.4	23.9	45.1	1008.8	0	
26/04/2020 11:00	22	0.4	2.1	24.5	43	1008.1	0	
26/04/2020 11:30	2	0.2	1	26	39.5	1007.8	0	
26/04/2020 12:00	312	0.1	1	26.6	34.3	1007.4	0	
26/04/2020 12:30	278	0.1	1.2	27.6	32	1007.2	0	
26/04/2020 13:00	265	0.1	0.7	26.4	34	1006.9	0	
26/04/2020 13:30	333	0.2	1.4	25.8	34.1	1006.5	0	
26/04/2020 14:00	305	0.1	1.4	25.6	34.5	1006.5	0	
26/04/2020 14:30	293	0.1	1	25.3	35.7	1006.5	0	
26/04/2020 15:00	341	0	0.3	25	37	1006.8	0	
26/04/2020 15:30	338	0	0.5	25	37.8	1007	0	
26/04/2020 16:00	301	0.1	1.2	24.7	39.8	1007.3	0	
26/04/2020 16:30	16	0.1	0.8	24.6	40.2	1008	0	
26/04/2020 17:00	254	0	0.9	23.8	43.3	1008.6	0	
26/04/2020 17:30	350	0.1	0.5	23.4	45.1	1009.2	0	
26/04/2020 18:00	238	0.1	0.4	22.9	47.8	1009.9	0	
26/04/2020 18:30	34	0	0.4	22.4	51.1	1010.7	0	
26/04/2020 19:00	144	0	0.8	21.6	53.4	1011.1	0	
26/04/2020 19:30	243	0.1	0.9	20.9	53.4	1011.7	0	
26/04/2020 20:00	29	0	0.2	20.1	56.7	1012	0	
26/04/2020 20:30	350	0	0.4	19.1	58	1012.2	0	
26/04/2020 21:00	200	0	0.5	18.5	59.4	1012.6	0	
26/04/2020 21:30	33	0	0.5	18	59.3	1012.8	0	
26/04/2020 22:00	233	0	0.2	17.2	63.1	1013.4	0	
26/04/2020 22:30	133	0	0.3	15.9	71.9	1013.8	0	
26/04/2020 23:00	220	0	0.3	15	70.8	1014	0	
26/04/2020 23:30	147	0.4	0.6	15.4	68.1	1014.3	0	
27/04/2020 0:00	229	0	0.1	15.3	69.6	1014.4	0	
27/04/2020 0:30	0	0	0.2	14.3	74.3	1014.7	0	
27/04/2020 1:00	175	0.1	0.9	14.7	73.1	1015	0	
27/04/2020 1:30	157	0.7	1.3	16	67.8	1015.3	0	
27/04/2020 2:00	188	0	0.2	15.9	67.2	1015.3	0	
27/04/2020 2:30	162	0.1	0.5	14.6	73.9	1015.3	0	
27/04/2020 3:00	179	0	0.3	14.8	73.8	1015.3	0	
27/04/2020 3:30	228	0	0.1	13.5	78.4	1015.5	0	
27/04/2020 4:00	202	0	0.3	13.2	82	1015.7	0	
27/04/2020 4:30	216	0	0.2	12.8	83	1015.8	0.01	
27/04/2020 5:00	190	0.2	0.5	12.5	84.3	1016	0.01	
27/04/2020 5:30	219	0	0.2	12.5	86.6	1016.2	0.01	
27/04/2020 6:00	315	0	0.3	12.3	86.7	1016.5	0.01	
27/04/2020 6:30	229	0	0.1	12	87.4	1016.9	0.01	
27/04/2020 7:00	171	0	0.5	12.5	89.1	1017.2	0.01	
27/04/2020 7:30	268	0	0.2	12.9	87.7	1017.6	0.01	
27/04/2020 8:00	323	0	0.5	15.4	78.7	1018	0.01	
27/04/2020 8:30	345	0.1	0.6	17.5	69.6	1018.4	0.01	
27/04/2020 9:00	351	0.1	0.7	17.7	67.6	1018.6	0.01	0.01
27/04/2020 9:30	132	0	0.3	18.6	68.7	1018.5	0	
27/04/2020 10:00	170	0.1	0.9	20.6	57	1018.4	0	
27/04/2020 10:30	138	0	0.4	21.5	51.5	1018.2	0	
27/04/2020 11:00	171	0.5	1.2	21.5	51	1018	0	
27/04/2020 11:30	352	0.6	1.4	22.4	50.5	1017.8	0	
27/04/2020 12:00	301	0	0.3	22.1	51.4	1017.5	0	
27/04/2020 12:30	68	0.5	1.6	21.6	54.5	1017.2	0	
27/04/2020 13:00	122	0.1	0.8	21.8	54.8	1016.9	0	
27/04/2020 13:30	114	0	1.3	21.2	62.8	1016.9	0	
27/04/2020 14:00	52	1	2.2	20.5	65.8	1016.9	0	
27/04/2020 14:30	135	0	0.9	20.8	62.6	1017	0	



27/04/2020 15:00	99	0.1	0.6	20.8	66	1017.3	0	
27/04/2020 15:30	114	0	0.6	20.5	66.4	1017.5	0	
27/04/2020 16:00	72	0.2	1	19.6	75	1017.6	0	
27/04/2020 16:30	69	0.2	1.5	19.7	76	1017.6	0	
27/04/2020 17:00	116	0.1	0.7	19.6	77	1017.5	0	
27/04/2020 17:30	194	0	0.3	19.6	77.4	1017.8	0	
27/04/2020 18:00	215	0	0.1	19.4	77.5	1018.1	0	
27/04/2020 18:30	181	0.2	0.4	19.1	77.3	1018.3	0	
27/04/2020 19:00	155	0	0.2	18.5	79.4	1018.6	0	
27/04/2020 19:30	257	0	0.1	18.7	78.5	1018.8	0	
27/04/2020 20:00	225	0	0.2	18.6	79.2	1019	0	
27/04/2020 20:30	196	0	0.2	18.4	80.1	1019.2	0	
27/04/2020 21:00	292	0	0.2	18.1	82.9	1019.5	0	
27/04/2020 21:30	220	0	0.2	18.1	85.7	1019.7	0.05	
27/04/2020 22:00	318	0	0.2	17.8	86.7	1019.7	0.05	
27/04/2020 22:30	208	0	0.1	17.7	87.3	1019.7	0.05	
27/04/2020 23:00	261	0.1	0.3	17.2	88.1	1019.3	0.05	
27/04/2020 23:30	121	0	0.2	17.3	89.5	1019.3	0.05	
28/04/2020 0:00	189	0	0.1	17.3	88.9	1019.1	0.05	
28/04/2020 0:30	187	0	0.2	17.6	88.6	1019	0.05	
28/04/2020 1:00	171	0	0.1	17.2	88.5	1018.7	0.05	
28/04/2020 1:30	181	0	0.1	17.1	89.3	1018.5	0.05	
28/04/2020 2:00	308	0	0.2	17.3	89.2	1018.5	0.05	
28/04/2020 2:30	141	0	0.1	17.7	89.3	1018.3	0.05	
28/04/2020 3:00	160	0	0.1	17.8	88.7	1018.1	0.05	
28/04/2020 3:30	114	0	0.1	17.6	88.2	1018	0.05	
28/04/2020 4:00	196	0	0.2	17.5	88.3	1018.1	0.08	
28/04/2020 4:30	140	0	0.1	17.4	87.4	1018.2	0.08	
28/04/2020 5:00	211	0	0.1	16.8	88.2	1018.2	0.08	
28/04/2020 5:30	347	0	0.2	16.8	88.5	1018.3	0.08	
28/04/2020 6:00	246	0	0.2	16.8	89.4	1018.5	0.08	
28/04/2020 6:30	331	0	0.2	17	89.2	1018.6	0.08	
28/04/2020 7:00	193	0	0.1	17.2	89.7	1018.6	0.08	
28/04/2020 7:30	292	0	0.2	17.7	89.2	1018.8	0.08	
28/04/2020 8:00	90	0	0.3	18.1	85.9	1019	0.08	
28/04/2020 8:30	304	0	0.7	18.8	83.9	1019.1	0.08	
28/04/2020 9:00	65	0.4	1.2	19.4	77.8	1019.1	0.08	0.08
28/04/2020 9:30	42	0.1	0.8	19.6	73	1019	0	
28/04/2020 10:00	352	0.3	1.5	20.7	69.5	1018.8	0	
28/04/2020 10:30	71	0	0.4	21.4	64.5	1018.8	0	
28/04/2020 11:00	333	0.8	1.4	21.4	63.6	1018.4	0	
28/04/2020 11:30	67	0.1	0.8	21.8	59.7	1018	0	
28/04/2020 12:00	332	0.2	0.9	21.8	61.3	1017.4	0	
28/04/2020 12:30	54	0.2	1.2	21.8	59.8	1017	0	
28/04/2020 13:00	113	0.1	0.3	21.8	62.9	1016.4	0	
28/04/2020 13:30	38	0.2	1.6	22.7	56.8	1015.7	0	
28/04/2020 14:00	352	0.1	0.9	22.7	57	1015.6	0	
28/04/2020 14:30	62	0.1	1.1	22.2	59.5	1015.4	0	
28/04/2020 15:00	50	0.4	2.5	21.6	60.3	1015.4	0	
28/04/2020 15:30	58	0.4	2.2	22	62.5	1015.4	0	
28/04/2020 16:00	57	0.2	1.5	22	64.2	1015.4	0	
28/04/2020 16:30	63	0.9	1.7	21.4	66.4	1015.3	0	
28/04/2020 17:00	85	0.2	1	20.9	68.9	1015	0	
28/04/2020 17:30	99	0	0.6	20.6	71	1014.9	0	
28/04/2020 18:00	181	0	0.2	20.2	72.9	1015	0	
28/04/2020 18:30	223	0	0.1	19.6	76.4	1015.2	0	
28/04/2020 19:00	212	0	0.2	19.3	78.4	1015.5	0	
28/04/2020 19:30	208	0.1	0.2	19.3	79.4	1015.5	0	
28/04/2020 20:00	201	0	0.1	19	79.9	1015.3	0	
28/04/2020 20:30	113	0	0.1	18.7	81.7	1015.2	0	
28/04/2020 21:00	184	0	0.2	18	84.3	1015.1	0	
28/04/2020 21:30	213	0.1	0.2	17.7	85.5	1015.1	0	
28/04/2020 22:00	205	0	0.2	17.7	87.5	1015.1	0	
28/04/2020 22:30	92	0	0.2	18.1	88	1014.6	0	
28/04/2020 23:00	144	0	0.3	17.8	86.7	1014.2	0	
28/04/2020 23:30	218	0	0.3	17.3	87.3	1013.7	0	
29/04/2020 0:00	22	0.1	0.4	17.9	89	1013.4	0	
29/04/2020 0:30	343	0	0.4	18.2	87.1	1013	0	
29/04/2020 1:00	91	0	0.2	18.4	86.3	1012.9	0	
29/04/2020 1:30	29	0.1	1	18.4	84.5	1012.7	0	
29/04/2020 2:00	134	0	0.2	18.4	85.2	1012.1	0	
29/04/2020 2:30	199	0	0.3	17.6	86.4	1011.7	0	
29/04/2020 3:00	120	0	0.2	17	87.9	1011.4	0	
29/04/2020 3:30	186	0	0.1	16.7	89.5	1011.2	0	
29/04/2020 4:00	13	0	0.5	16.9	90.5	1010.8	0.03	
29/04/2020 4:30	18	0.1	0.6	17.2	89.3	1010.6	0.03	
29/04/2020 5:00	8	0.1	0.6	17.3	88.4	1010.7	0.03	
29/04/2020 5:30	65	0	0.8	17.5	88.4	1010.6	0.03	
29/04/2020 6:00	54	0.1	0.9	17.4	88.8	1010.4	0.03	
29/04/2020 6:30	41	0.1	0.9	17.4	88.4	1010.4	0.03	
29/04/2020 7:00	337	0.1	0.8	17.8	87.1	1010.5	0.03	
29/04/2020 7:30	7	0	1.9	18.2	84.5	1010.4	0.03	
29/04/2020 8:00	22	0.3	2	18.4	83.5	1010.6	0.03	
29/04/2020 8:30	35	0.2	1.9	18.4	82.5	1010.5	0.03	
29/04/2020 9:00	4	0.2	1.3	19	78.6	1010.1	0.03	0.03
29/04/2020 9:30	32	0.1	1.8	20.5	72.9	1009.7	0	
29/04/2020 10:00	56	0.1	1	21.1	66.7	1009.4	0	
29/04/2020 10:30	355	0.1	1.6	22.3	63.8	1009	0	
29/04/2020 11:00	19	0.1	2.3	24.4	53.7	1008.9	0	
29/04/2020 11:30	4	0.1	1.8	25	52.7	1008.3	0	
29/04/2020 12:00	41	0.3	2.1	25.7	52.1	1007.7	0	
29/04/2020 12:30	28	0.5	2.3	25.1	52.2	1007.2	0	
29/04/2020 13:00	8	0.2	1.6	25.8	51.7	1007	0	
29/04/2020 13:30	34	0.1	1.7	25.8	52.6	1006.5	0	
29/04/2020 14:00	62	0.2	2.2	25.8	51.9	1006.1	0	

29/04/2020 14:30	29	0.2	1.6	25.5	53	1006	0	
29/04/2020 15:00	61	0.2	1.5	25.6	52.4	1005.9	0	
29/04/2020 15:30	17	0.2	1.7	25.1	51.6	1005.9	0	
29/04/2020 16:00	10	0.4	2	25.3	52.1	1006	0	
29/04/2020 16:30	22	0.2	1.5	24.9	53.3	1005.9	0.01	
29/04/2020 17:00	15	0.1	0.7	24.8	55.5	1005.9	0.01	
29/04/2020 17:30	344	0	0.2	24	58.6	1006	0.01	
29/04/2020 18:00	64	0	0.2	23.7	60.1	1006.1	0.01	
29/04/2020 18:30	244	0	0.3	23.1	64.9	1006.4	0.01	
29/04/2020 19:00	280	0.1	0.8	21.9	72.4	1007.4	0.02	
29/04/2020 19:30	322	0.1	0.8	20.3	78.2	1007.5	0.11	
29/04/2020 20:00	194	0	0.5	19.1	83	1007.8	0.61	
29/04/2020 20:30	31	0.2	1.2	18	87.2	1008	3.49	
29/04/2020 21:00	320	0	0.3	17.9	88.4	1007.6	3.92	
29/04/2020 21:30	235	0	0.3	17.8	89.8	1007.4	4.19	
29/04/2020 22:00	246	0	0.5	17.8	90	1006.9	4.65	
29/04/2020 22:30	53	0	0.6	17.9	89.6	1004.9	4.65	
29/04/2020 23:00	166	0	0.2	17.7	89.7	1004.6	4.65	
29/04/2020 23:30	124	0	0.1	17.7	90.7	1004.2	4.65	
30/04/2020 0:00	275	0	0.2	17.4	90.8	1003.5	4.65	
30/04/2020 0:30	143	0	0.2	17	91.1	1003.2	4.65	
30/04/2020 1:00	209	0	0.1	16.7	91.2	1003.1	4.65	
30/04/2020 1:30	148	0	0.3	16.7	91.9	1002.8	4.65	
30/04/2020 2:00	242	0	0.2	16.6	91.4	1002.5	4.65	
30/04/2020 2:30	328	0	0.2	16.9	91.8	1002	4.65	
30/04/2020 3:00	254	0	0.1	16.8	91.7	1001.8	4.65	
30/04/2020 3:30	125	0	0.1	16.5	91.8	1001.6	4.65	
30/04/2020 4:00	97	0.2	0.5	16.4	92.1	1001.1	4.65	
30/04/2020 4:30	163	0	0.1	16.5	92	1000.7	4.65	
30/04/2020 5:00	207	0.4	0.7	16.5	91.8	1001	4.65	
30/04/2020 5:30	309	0	0.2	16.5	91.5	1001.2	4.65	
30/04/2020 6:00	247	0	0.4	16.3	91.5	1001.2	4.65	
30/04/2020 6:30	271	0	0.2	16.2	91.8	1001	4.65	
30/04/2020 7:00	58	0.1	0.7	16.2	92.1	1001.2	4.65	
30/04/2020 7:30	202	0.1	0.5	16.7	92.4	1000.9	4.65	
30/04/2020 8:00	167	0.7	1.4	17.3	91.5	1001	4.67	
30/04/2020 8:30	165	0.2	0.5	17.9	88.5	1001.1	4.67	
30/04/2020 9:00	171	0.9	2	18	87.6	1001.2	4.67	4.67
30/04/2020 9:30	177	1	2.4	17.3	76.6	1000.8	0	
30/04/2020 10:00	234	0.1	0.9	17.3	76.9	1000.8	0.01	
30/04/2020 10:30	172	0.4	1.9	16.2	78.1	1000.8	0.04	
30/04/2020 11:00	170	0.8	2.1	14.8	77.7	999.8	0.04	
30/04/2020 11:30	94	0	0.5	13.8	86	1000.9	0	
30/04/2020 12:00	178	0.1	1	14.2	88.4	1000	0.74	
30/04/2020 12:30	124	0	0.8	14.5	86.9	999.6	0.8	
30/04/2020 13:00	347	0	0.5	14.4	87.3	999.6	0	
30/04/2020 13:30	344	0	0.6	14.1	89.4	999.8	2.13	
30/04/2020 14:00	236	0	0.4	14.3	89.6	1000.5	2.39	
30/04/2020 14:30	220	0	0.6	14.3	90	1001.1	2.62	
30/04/2020 15:00	40	0.1	0.6	14.3	89.8	1001.2	2.65	
30/04/2020 15:30	269	0	0.9	12.6	83.3	1001.7	0	
30/04/2020 16:00	270	0	0.6	11.8	85.2	1001.8	0	
30/04/2020 16:30	312	0.1	0.5	11.4	85.6	1001.4	0.18	
30/04/2020 17:00	316	0	1.1	11.4	87.3	1001.9	0	
30/04/2020 17:30	214	0	0.8	11.6	88.2	1002	0	
30/04/2020 18:00	230	0.1	0.6	11.4	88.2	1002.3	0	
30/04/2020 18:30	249	0.2	0.7	11.5	88.3	1002.2	0	
30/04/2020 19:00	176	0.1	0.5	11.4	86.9	1002.8	0	
30/04/2020 19:30	8	0.1	0.7	11.2	83.7	1003.3	0	
30/04/2020 20:00	351	0	0.9	11.2	83.1	1003.1	0	
30/04/2020 20:30	291	0.1	0.4	11.2	82.8	1002.9	0	
30/04/2020 21:00	337	0.1	0.9	11.1	74.2	1002.9	0	
30/04/2020 21:30	195	0.1	0.7	11.9	67.7	1002.8	0	
30/04/2020 22:00	338	0.1	0.7	11.9	66.3	1002.8	0	
30/04/2020 22:30	137	0	0.6	11.6	66.1	1002.9	0	
30/04/2020 23:00	295	0	0.4	11.2	67.5	1002.7	0	
30/04/2020 23:30	223	0.1	0.6	11.6	65.6	1002.5	0	
1/05/2020 0:00	258	0.1	0.8	11.4	64.4	1002.5	0	
1/05/2020 0:30	346	0	0.4	11.4	61.8	1002.2	0	
1/05/2020 1:00	262	0.1	0.5	11.4	61.9	1002	0	
1/05/2020 1:30	266	0	0.5	11.1	66.6	1001.8	0	
1/05/2020 2:00	57	0.1	0.6	10.9	61.4	1001.8	0	
1/05/2020 2:30	249	0	0.3	10.4	65.6	1001.5	0	
1/05/2020 3:00	319	0.1	0.8	11.3	59.5	1001.4	0	
1/05/2020 3:30	157	0.1	0.6	11.8	57.5	1001.6	0	
1/05/2020 4:00	347	0.3	1.2	11.8	57.2	1001.8	0.01	
1/05/2020 4:30	244	0.1	0.8	11.6	58.9	1002	0.01	
1/05/2020 5:00	26	0.1	1.3	11.3	60	1002.1	0.01	
1/05/2020 5:30	89	0	0.3	11	62.8	1002.1	0.01	
1/05/2020 6:00	258	0	0.6	11.1	59.8	1002.3	0.01	
1/05/2020 6:30	325	0.2	1	11.5	60.6	1002.6	0.01	
1/05/2020 7:00	21	0	0.5	12	54.6	1002.8	0.01	
1/05/2020 7:30	304	0.1	1.2	12.9	52.4	1003.1	0.01	
1/05/2020 8:00	320	0.1	1	13.7	53	1003.2	0.01	
1/05/2020 8:30	293	0.2	1.8	14	47.4	1003.5	0.01	
1/05/2020 9:00	275	0.1	0.9	14.4	46.6	1003.3	0.01	0.01
1/05/2020 9:30	321	0.1	0.9	14.7	43.7	1003	0	
1/05/2020 10:00	339	0.2	2.6	15.2	40.9	1002.9	0	
1/05/2020 10:30	318	0.1	2.8	15	40.7	1002.7	0	
1/05/2020 11:00	307	0.2	1.8	15.2	41.3	1002.6	0	
1/05/2020 11:30	327	0.2	1.9	15.6	41	1002.3	0	
1/05/2020 12:00	269	0.1	1.2	15.7	37.3	1001.9	0.02	
1/05/2020 12:30	328	0.1	2.7	15.6	37.3	1001.7	0.02	
1/05/2020 13:00	302	0.3	2.4	15.7	41.7	1000.9	0.02	
1/05/2020 13:30	268	0.1	1.4	16.1	40.8	1000.7	0.02	

1/05/2020 14:00	16	0.1	0.9	16.1	37.6	1000.5	0.02	
1/05/2020 14:30	323	0.3	2.3	15.7	41.2	1000.5	0.02	
1/05/2020 15:00	311	0.1	2	16.4	36	1000.5	0.02	
1/05/2020 15:30	248	0.1	1.3	15.9	36.9	1000.7	0.03	
1/05/2020 16:00	286	0.2	1.7	15.6	37.4	1000.7	0.03	
1/05/2020 16:30	290	0.1	1.1	14.7	39.6	1000.9	0.03	
1/05/2020 17:00	342	0.1	0.8	14.1	40.9	1001	0.03	
1/05/2020 17:30	283	0.1	1.1	14.2	41.9	1001.3	0.03	
1/05/2020 18:00	230	0.1	0.9	14.1	44	1001.6	0.03	
1/05/2020 18:30	341	0.3	1.7	13.7	47.2	1002	0.03	
1/05/2020 19:00	284	0.1	0.8	13.5	49	1001.7	0.03	
1/05/2020 19:30	347	0.1	1.9	13.4	50.1	1002	0.03	
1/05/2020 20:00	33	0.2	1.2	13.1	50.8	1001.6	0.04	
1/05/2020 20:30	13	0.3	2.1	13.1	52.4	1001.4	0.04	
1/05/2020 21:00	332	0.2	1.6	13.3	52.3	1001.1	0.04	
1/05/2020 21:30	71	0.1	0.6	13.4	52.4	1001	0.04	
1/05/2020 22:00	246	0.2	1	13.2	55.4	1000.4	0.04	
1/05/2020 22:30	342	0.1	1.7	13.1	56.4	1000	0.04	
1/05/2020 23:00	293	0.1	1.1	13.1	54.7	1000	0.04	
1/05/2020 23:30	279	0.1	1.3	13.3	53.7	1000	0.04	
2/05/2020 0:00	248	0.1	1.5	13.8	52	999.7	0.04	
2/05/2020 0:30	343	0.3	1.5	13.4	53.5	999.1	0.04	
2/05/2020 1:00	347	0.1	2	13.2	54.1	998.8	0.04	
2/05/2020 1:30	357	0.3	2.3	13.2	53	998.8	0.04	
2/05/2020 2:00	348	0.1	1.6	13.2	54.4	998.7	0.04	
2/05/2020 2:30	313	0	1	13.1	54.1	998.4	0.04	
2/05/2020 3:00	300	0	0.6	12.8	55.6	998.2	0.04	
2/05/2020 3:30	343	0.1	1.5	12.8	54.6	998	0.04	
2/05/2020 4:00	253	0	0.7	12.8	56.6	998.3	0.04	
2/05/2020 4:30	195	0	0.6	13.1	55.4	997.9	0.04	
2/05/2020 5:00	320	0.3	1.4	13.5	51.4	997.9	0.04	
2/05/2020 5:30	292	0.2	1.9	13.7	51	998.1	0.04	
2/05/2020 6:00	294	0.1	1	13.7	50.6	998.2	0.04	
2/05/2020 6:30	323	0.1	1	13.4	52.4	998.5	0.04	
2/05/2020 7:00	357	0.1	0.8	13.7	48.8	999	0.04	
2/05/2020 7:30	291	0	0.8	14.5	49.9	999.2	0	
2/05/2020 8:00	286	0.1	0.9	14.5	48	999.4	0	
2/05/2020 8:30	313	0.4	2	14.3	42.6	1000.1	0	
2/05/2020 9:00	289	0.1	1.3	13.9	44.8	1000.2	0	0
2/05/2020 9:30	224	0.1	1.3	14.8	40.7	1000.2	0	
2/05/2020 10:00	283	0.1	1.1	16	39	999.8	0	
2/05/2020 10:30	275	0.1	1.4	16	38.8	999.4	0	
2/05/2020 11:00	271	0.3	1.5	16.7	35.8	999.2	0	
2/05/2020 11:30	303	0.6	2.9	17.3	34.9	998.7	0	
2/05/2020 12:00	338	0.1	1.8	17.8	33.5	998.7	0	
2/05/2020 12:30	308	0.3	1.3	18	31.9	998.5	0	
2/05/2020 13:00	271	0.3	1.7	18.2	31.2	998.2	0	
2/05/2020 13:30	292	0	1.5	18.2	35.1	998.1	0	
2/05/2020 14:00	309	0.1	1.2	18.4	34	998.1	0	
2/05/2020 14:30	316	0.1	2.2	18.4	32.4	998.1	0	
2/05/2020 15:00	271	0.1	1.8	18.2	34.3	998.6	0	
2/05/2020 15:30	27	0.2	1	17.7	32.3	998.8	0	
2/05/2020 16:00	282	0.2	1.3	17	35.4	999	0	
2/05/2020 16:30	299	0.1	0.9	16.2	38.6	999.3	0.05	
2/05/2020 17:00	318	0.1	0.9	15.5	41.3	999.5	0.05	
2/05/2020 17:30	235	0	0.3	14.8	43.2	999.9	0.05	
2/05/2020 18:00	344	0.1	0.6	14.3	45.6	1000.5	0.05	
2/05/2020 18:30	247	0.1	1	14.3	44.6	1001.2	0.05	
2/05/2020 19:00	195	0	0.7	13.5	45.7	1001.9	0.05	
2/05/2020 19:30	108	0	0.6	13.3	47.4	1002.5	0.05	
2/05/2020 20:00	113	0.4	0.6	12.4	49.4	1003.5	0.05	
2/05/2020 20:30	301	0	0.3	12.2	50.3	1003.9	0.05	
2/05/2020 21:00	235	0.1	0.7	11.9	47.2	1004.1	0.05	
2/05/2020 21:30	324	0.1	0.5	12.1	47.9	1004.5	0.05	
2/05/2020 22:00	199	0	0.4	11.8	49.7	1004.4	0.05	
2/05/2020 22:30	291	0	0.5	10.7	53.8	1004.7	0.05	
2/05/2020 23:00	232	0	0.4	10.7	53.8	1004.5	0.05	
2/05/2020 23:30	6	0	0.3	9.9	56.4	1004.3	0.05	
3/05/2020 0:00	277	0	0.3	10.5	56.3	1004.5	0.05	
3/05/2020 0:30	256	0	0.8	10.3	57.3	1004.5	0.05	
3/05/2020 1:00	248	0	0.5	10.5	58.3	1004.4	0.05	
3/05/2020 1:30	184	0	0.2	10.9	57.5	1004.9	0.05	
3/05/2020 2:00	315	0	0.4	11	60.3	1004.8	0.05	
3/05/2020 2:30	311	0.1	0.7	11.7	56.4	1005	0.05	
3/05/2020 3:00	65	0	0.8	11.4	58	1004.9	0.05	
3/05/2020 3:30	288	0	0.3	10.9	60.9	1005.1	0.05	
3/05/2020 4:00	303	0	0.2	9.8	65.3	1005.4	0.05	
3/05/2020 4:30	213	0	0.2	8.9	71.1	1005.9	0.05	
3/05/2020 5:00	146	0	0.2	8.4	73.2	1006.7	0.05	
3/05/2020 5:30	81	0	0.3	7.9	78.1	1007.3	0.05	
3/05/2020 6:00	143	0.1	0.3	7.9	78.2	1007.9	0.05	
3/05/2020 6:30	130	0.3	0.5	7.6	80.8	1008.5	0.05	
3/05/2020 7:00	231	0	0.1	7.6	81.6	1009.2	0.05	
3/05/2020 7:30	66	0	0.1	9.8	78.2	1010	0.05	
3/05/2020 8:00	184	0	0.4	12.6	56.3	1010.9	0.05	
3/05/2020 8:30	214	0.1	0.8	14.8	47.5	1011.6	0.05	
3/05/2020 9:00	266	0.1	0.5	15.8	45.6	1011.9	0.05	0.05
3/05/2020 9:30	177	0.2	1.6	16.4	42.2	1012	0	
3/05/2020 10:00	211	0	1.3	16.6	39.3	1012.3	0	
3/05/2020 10:30	146	0.2	1.1	17.3	40.3	1012.3	0	
3/05/2020 11:00	161	0.1	1.2	17.4	39.4	1012.3	0	
3/05/2020 11:30	176	1.1	3.9	18.7	37.3	1012.6	0	
3/05/2020 12:00	240	0	1.2	18.5	38.6	1012.4	0	
3/05/2020 12:30	152	0	0.9	19.2	35	1012	0	
3/05/2020 13:00	181	1.6	3.2	19.6	34.7	1012	0	



3/05/2020 13:30	165	0.2	1.4	20.1	34.2	1012	0	
3/05/2020 14:00	243	0.1	0.6	19.9	34.3	1012.1	0	
3/05/2020 14:30	167	0.8	2.2	19.9	32.3	1012.5	0	
3/05/2020 15:00	173	0.1	0.5	20.2	32.2	1012.5	0	
3/05/2020 15:30	147	0.1	0.6	19.9	33	1012.7	0	
3/05/2020 16:00	313	0	0.3	18.9	36.9	1012.8	0	
3/05/2020 16:30	133	0	0.4	18.6	40.2	1013.1	0	
3/05/2020 17:00	141	0	0.2	16.5	49.7	1013.4	0	
3/05/2020 17:30	202	0	0.2	16.1	50.6	1013.7	0	
3/05/2020 18:00	178	0.1	0.4	13.6	58.2	1014.3	0	
3/05/2020 18:30	206	0.1	0.2	12.4	65.2	1015.1	0	
3/05/2020 19:00	227	0.1	0.3	11.6	68.9	1015.6	0	
3/05/2020 19:30	139	0.2	0.4	10.9	75.7	1016.1	0	
3/05/2020 20:00	128	0	0.1	10	75.3	1016.5	0	
3/05/2020 20:30	30	0	0.3	10	76.6	1016.8	0	
3/05/2020 21:00	207	0	0.3	9.8	77.9	1017.2	0	
3/05/2020 21:30	175	0	0.3	9.8	77.3	1017.2	0	
3/05/2020 22:00	284	0	0.3	9.7	74.3	1017.4	0	
3/05/2020 22:30	153	0	0.4	10.7	69.7	1017.7	0	
3/05/2020 23:00	73	0	0.4	11.5	66.3	1017.7	0	
3/05/2020 23:30	148	0	0.1	11.4	67.6	1017.7	0	
4/05/2020 0:00	156	0.1	0.4	9.9	73.7	1017.7	0	
4/05/2020 0:30	80	0	0.3	9	77.7	1017.6	0	
4/05/2020 1:00	135	0.3	0.6	9.9	72.8	1017.7	0	
4/05/2020 1:30	118	0	0.3	9.7	74.2	1017.8	0	
4/05/2020 2:00	112	0	0.2	8.7	79.4	1017.6	0	
4/05/2020 2:30	153	0.1	0.3	8	83.1	1017.5	0	
4/05/2020 3:00	174	0.1	0.3	7.2	84.7	1017.4	0	
4/05/2020 3:30	130	0	0.2	6.8	87.2	1017.5	0	
4/05/2020 4:00	205	0	0.2	6.7	87.3	1017.5	0	
4/05/2020 4:30	192	0.1	0.4	6.6	87.9	1017.8	0	
4/05/2020 5:00	222	0	0.1	6.4	88.6	1018	0	
4/05/2020 5:30	201	0	0.2	6.1	89	1018.4	0	
4/05/2020 6:00	233	0	0.3	6.4	89.1	1018.6	0.02	
4/05/2020 6:30	105	0	0.2	6.6	89.2	1019	0.02	
4/05/2020 7:00	191	0	0.3	6.6	89.2	1019.3	0.02	
4/05/2020 7:30	224	0.2	0.6	8.4	85.8	1019.9	0.02	
4/05/2020 8:00	265	0	0.2	10.4	74.5	1020.2	0.02	
4/05/2020 8:30	208	0	0.3	12.7	65.5	1020.5	0.02	
4/05/2020 9:00	188	0	0.3	14.7	57.5	1020.7	0.02	0.02
4/05/2020 9:30	191	0.3	1.3	14.7	54.1	1020.6	0	
4/05/2020 10:00	171	0.4	1.5	16	53.2	1020.6	0	
4/05/2020 10:30	153	0.3	1.5	16.6	50	1020.5	0	
4/05/2020 11:00	174	0.2	1.8	16.9	48.4	1020.1	0	
4/05/2020 11:30	54	0.2	0.6	17.5	47.3	1019.6	0	
4/05/2020 12:00	222	0.2	0.8	19.1	42.2	1019.4	0	
4/05/2020 12:30	143	0.1	0.6	19.7	41.1	1019	0	
4/05/2020 13:00	187	0.1	0.6	19.8	37.6	1018.7	0	
4/05/2020 13:30	211	0.1	0.4	20.9	34	1018.5	0.01	
4/05/2020 14:00	169	0.1	0.7	20.5	33.9	1018.5	0.01	
4/05/2020 14:30	151	0.6	3	19.8	40.1	1018.5	0.01	
4/05/2020 15:00	141	1	2.8	19.4	43.6	1018.7	0.01	
4/05/2020 15:30	129	0.6	2.5	18.1	47.2	1019	0.01	
4/05/2020 16:00	141	0.1	1.4	17.5	49.4	1019.4	0.01	
4/05/2020 16:30	146	0.3	1.9	16.6	51.5	1019.8	0.01	
4/05/2020 17:00	130	0.5	2.3	15.8	54.6	1020.1	0.01	
4/05/2020 17:30	152	1.2	1.9	15.3	57.9	1020.4	0.01	
4/05/2020 18:00	167	0.4	1	14.9	59.6	1021	0.01	
4/05/2020 18:30	144	0.2	0.9	14.7	60.9	1021.4	0.01	
4/05/2020 19:00	143	0.6	1.5	14.4	60.7	1021.7	0.01	
4/05/2020 19:30	158	0.1	0.4	13.7	64.3	1022	0.01	
4/05/2020 20:00	201	0	0.3	13	66.4	1022.2	0.01	
4/05/2020 20:30	134	0	0.5	12.5	69.2	1022.3	0.01	
4/05/2020 21:00	140	0	0.5	12.4	69.5	1022.6	0.01	
4/05/2020 21:30	163	0.1	0.6	12.6	68.1	1022.9	0.01	
4/05/2020 22:00	114	0	0.4	12.1	72.6	1023	0.01	
4/05/2020 22:30	120	0	0.4	13	71	1022.9	0	
4/05/2020 23:00	148	0.1	0.4	13.1	66.6	1023	0	
4/05/2020 23:30	122	0	0.5	12.4	71.3	1023	0	
5/05/2020 0:00	74	0	0.4	12.3	71.4	1022.8	0	
5/05/2020 0:30	174	0.1	1	13.1	68.5	1023	0	
5/05/2020 1:00	188	0	0.5	13.1	68.5	1023	0	
5/05/2020 1:30	124	0.2	0.9	13	70.2	1023	0	
5/05/2020 2:00	141	0.1	0.4	13.6	70.4	1023.2	0	
5/05/2020 2:30	327	0.1	0.4	13.2	72.6	1023.1	0	
5/05/2020 3:00	87	0	0.3	13.4	75	1022.7	0	
5/05/2020 3:30	30	0.1	0.4	13.5	71.2	1022.7	0	
5/05/2020 4:00	238	0	0.4	13.6	69.4	1022.9	0.04	
5/05/2020 4:30	121	0.1	0.6	14.2	69.2	1023	0.04	
5/05/2020 5:00	153	0	0.6	14.2	69.3	1023.4	0.04	
5/05/2020 5:30	159	0	0.3	14.1	69.3	1023.6	0.04	
5/05/2020 6:00	341	0	0.3	13.9	70.5	1024	0.04	
5/05/2020 6:30	191	0	0.2	13.7	71.8	1024.1	0.04	
5/05/2020 7:00	47	0	0.2	13.7	71.8	1024.5	0.04	
5/05/2020 7:30	342	0.1	0.5	13.9	72	1024.6	0.04	
5/05/2020 8:00	193	0.1	0.9	14.7	67.8	1025.2	0.04	
5/05/2020 8:30	116	0.1	0.5	15.5	66.8	1025.4	0.04	
5/05/2020 9:00	186	0.1	0.8	15.9	64.7	1025.4	0.04	0.04
5/05/2020 9:30	146	0	0.6	17.5	57.9	1025.3	0	
5/05/2020 10:00	120	0.1	0.6	18.6	55.8	1025.2	0	
5/05/2020 10:30	166	1.4	3.1	18.4	56.1	1025.1	0	
5/05/2020 11:00	190	0.2	1.2	19.4	53.6	1024.7	0	
5/05/2020 11:30	135	0	1.7	20.7	49.3	1024.4	0	
5/05/2020 12:00	136	0.8	2.1	20.6	49.1	1024	0	
5/05/2020 12:30	118	0.2	1.7	20	51.1	1023.7	0	

5/05/2020 13:00	132	0.5	1.9	20.9	47.8	1023.3	0	
5/05/2020 13:30	140	0.2	1.5	19.8	52.3	1023	0	
5/05/2020 14:00	86	0.6	1.6	21	46.5	1022.8	0	
5/05/2020 14:30	149	0.5	1.3	20	52.9	1022.8	0	
5/05/2020 15:00	114	0.2	1.8	20.8	50.8	1022.9	0	
5/05/2020 15:30	91	0.3	0.9	20.3	52.3	1022.8	0	
5/05/2020 16:00	151	0.5	1.6	19.7	53.1	1022.7	0	
5/05/2020 16:30	122	0.2	1.8	19.4	55.2	1022.8	0	
5/05/2020 17:00	99	0.2	1.8	18.5	61.5	1022.9	0	
5/05/2020 17:30	109	0.1	1.1	17.5	65.7	1023.3	0	
5/05/2020 18:00	200	0	0.2	16.6	68.9	1023.6	0	
5/05/2020 18:30	136	0	0.1	15.4	74.4	1023.7	0	
5/05/2020 19:00	213	0	0.2	14.1	80.3	1023.9	0	
5/05/2020 19:30	162	0	0.1	13.4	84	1023.9	0	
5/05/2020 20:00	199	0	0.1	12.9	85.5	1023.8	0	
5/05/2020 20:30	7	0	0.1	12.6	87.4	1024.1	0	
5/05/2020 21:00	238	0	0.8	12.9	89.4	1024.4	0	
5/05/2020 21:30	238	0	0.2	13	86.8	1024.5	0.03	
5/05/2020 22:00	153	0.2	0.5	12.5	87.2	1024.5	0.03	
5/05/2020 22:30	192	0.2	0.3	12.1	87.6	1024.5	0.03	
5/05/2020 23:00	255	0	0.2	11.7	88.7	1024.6	0.03	
5/05/2020 23:30	53	0	0.1	11.6	88.7	1024.5	0.03	
6/05/2020 0:00	186	0	0.1	11.9	88.8	1024.5	0.03	
6/05/2020 0:30	346	0	0.1	11.6	89.1	1024.4	0.03	
6/05/2020 1:00	174	0	0.1	11.1	89.4	1024.3	0.03	
6/05/2020 1:30	226	0	0.2	10.6	89.6	1024.1	0.03	
6/05/2020 2:00	118	0	0.2	10.4	90.7	1024.1	0.03	
6/05/2020 2:30	166	0	0.1	10	90.3	1023.8	0.03	
6/05/2020 3:00	188	0	0.2	9.8	90.5	1023.8	0.03	
6/05/2020 3:30	212	0	0.3	10.3	91.1	1023.8	0.03	
6/05/2020 4:00	214	0.2	0.4	10.1	90.8	1023.7	0.06	
6/05/2020 4:30	300	0	0.2	9.6	90.7	1023.6	0.06	
6/05/2020 5:00	7	0	0.1	9.5	90.7	1023.7	0.06	
6/05/2020 5:30	204	0	0.3	9	90.6	1023.6	0.06	
6/05/2020 6:00	14	0	0.2	8.8	91.1	1023.7	0.06	
6/05/2020 6:30	229	0	0.2	8.7	91.2	1023.9	0.06	
6/05/2020 7:00	194	0	0.3	8.7	91.5	1024.1	0.06	
6/05/2020 7:30	236	0	0.2	9.8	91.3	1024.4	0.06	
6/05/2020 8:00	342	0	0.3	11	88.3	1024.5	0.06	
6/05/2020 8:30	0	0.3	0.6	13	80.4	1024.5	0.06	
6/05/2020 9:00	341	0.5	1	14	75.3	1024.4	0.06	0.06
6/05/2020 9:30	17	0.1	1.3	14.6	69.6	1024.4	0	
6/05/2020 10:00	36	0.2	1.4	15.4	68.2	1024.2	0	
6/05/2020 10:30	40	0.1	1	15.9	68.1	1023.7	0	
6/05/2020 11:00	282	0.2	0.7	17.9	57.7	1023.1	0	
6/05/2020 11:30	44	0.3	1.6	18.9	56.1	1022.4	0	
6/05/2020 12:00	341	0.1	1.6	19.9	51.2	1021.5	0	
6/05/2020 12:30	11	0	0.6	20.8	43.1	1021	0	
6/05/2020 13:00	341	0.5	1.6	21.3	42.8	1020.3	0	
6/05/2020 13:30	207	0.1	0.6	21.8	40.5	1019.8	0	
6/05/2020 14:00	33	0.1	0.8	21.9	40.9	1019.4	0	
6/05/2020 14:30	323	0.1	1.3	22.4	39.6	1019.1	0	
6/05/2020 15:00	356	0.3	1.4	22.4	41	1018.9	0	
6/05/2020 15:30	10	0.1	1.2	22.4	46	1018.7	0	
6/05/2020 16:00	352	0.1	0.9	21.8	49.5	1018.6	0	
6/05/2020 16:30	332	0	0.4	21.3	53.3	1018.6	0	
6/05/2020 17:00	337	0	0.5	20.2	55.2	1018.6	0	
6/05/2020 17:30	254	0	0.1	18.1	65.8	1018.9	0	
6/05/2020 18:00	193	0	0.2	16.2	75	1018.7	0	
6/05/2020 18:30	173	0	0.2	14.7	81.1	1018.8	0	
6/05/2020 19:00	43	0	0.2	14.1	84.7	1018.9	0	
6/05/2020 19:30	167	0	0.1	13.4	85.1	1018.9	0	
6/05/2020 20:00	172	0	0.1	12.9	85.4	1019	0	
6/05/2020 20:30	156	0	0.1	12.9	82.8	1019	0	
6/05/2020 21:00	159	0	0.3	12.8	82.9	1019.2	0	
6/05/2020 21:30	209	0	0.1	12.7	84.5	1019.3	0	
6/05/2020 22:00	214	0.1	0.3	12.3	85.3	1019.2	0	
6/05/2020 22:30	215	0.2	0.4	12.4	86.3	1018.9	0.01	
6/05/2020 23:00	191	0	0.1	12.1	87.8	1018.8	0.01	
6/05/2020 23:30	196	0	0.3	11.7	88.1	1018.6	0.01	
7/05/2020 0:00	67	0	0.1	11.7	88.7	1018.2	0.01	
7/05/2020 0:30	202	0	0.2	11.9	89	1017.9	0.01	
7/05/2020 1:00	201	0	0.2	11.5	89.1	1017.6	0.01	
7/05/2020 1:30	209	0	0.2	11.5	90	1017.5	0.01	
7/05/2020 2:00	292	0	0.3	11.3	89.5	1017.2	0.01	
7/05/2020 2:30	260	0	0.4	11.3	89.6	1016.9	0.01	
7/05/2020 3:00	203	0	0.2	11.3	89.5	1016.7	0.01	
7/05/2020 3:30	208	0.2	0.4	10.8	89.8	1016.5	0.01	
7/05/2020 4:00	217	0	0.4	10.5	90	1016.5	0	
7/05/2020 4:30	132	0	0.2	9.7	89.8	1016.4	0	
7/05/2020 5:00	319	0	0.2	9.6	90	1016.3	0	
7/05/2020 5:30	325	0	0.5	9.5	90.6	1016.3	0	
7/05/2020 6:00	213	0.1	0.5	9.8	90.6	1016.5	0	
7/05/2020 6:30	235	0	0.2	9.9	89.9	1016.5	0	
7/05/2020 7:00	342	0	0.3	9.9	89.6	1016.9	0	
7/05/2020 7:30	337	0	0.3	10.5	88.6	1017.1	0	
7/05/2020 8:00	321	0.1	0.3	11.5	86.1	1017.3	0	
7/05/2020 8:30	286	0	0.2	12.7	82.1	1017.4	0	
7/05/2020 9:00	44	0.1	1	13.3	77.2	1017.3	0	0
7/05/2020 9:30	257	0	0.4	14.2	70	1017	0	
7/05/2020 10:00	34	0.1	1.2	15.2	66.1	1016.7	0	
7/05/2020 10:30	13	0.6	1.9	15.6	64.4	1016.5	0	
7/05/2020 11:00	320	0.1	0.6	17.4	61	1016.2	0	
7/05/2020 11:30	13	0.1	1.2	18.7	58.8	1015.6	0	
7/05/2020 12:00	314	0	0.7	19.3	56.6	1015.1	0	

7/05/2020 12:30	345	0.2	1.7	20.7	55.6	1014.4	0	
7/05/2020 13:00	35	0.2	1.4	21.6	49.3	1014.2	0	
7/05/2020 13:30	35	0.2	1.4	22.4	48.1	1013.6	0	
7/05/2020 14:00	331	0.3	1.7	23.7	44.6	1013.4	0	
7/05/2020 14:30	0	0.1	1.3	23.9	44.6	1013.3	0	
7/05/2020 15:00	306	0.2	1.8	23.7	41.1	1013.3	0	
7/05/2020 15:30	0	0.1	0.9	22.9	43.6	1013.3	0	
7/05/2020 16:00	315	0.2	1.5	22.3	47.3	1013.1	0	
7/05/2020 16:30	255	0.1	0.8	21.8	48.5	1012.9	0	
7/05/2020 17:00	300	0.1	0.8	21.3	49	1013.1	0	
7/05/2020 17:30	329	0.1	0.6	20.4	56	1013.2	0	
7/05/2020 18:00	305	0	0.2	18.8	62.8	1013.2	0	
7/05/2020 18:30	188	0.1	0.4	17.7	67.5	1013.3	0	
7/05/2020 19:00	223	0	0.3	17.7	66.4	1013.5	0	
7/05/2020 19:30	263	0	0.3	17.1	66.6	1013.9	0	
7/05/2020 20:00	171	0	0.1	15.9	70.4	1013.9	0	
7/05/2020 20:30	186	0	0.2	14.8	76.4	1013.8	0	
7/05/2020 21:00	164	0	0.2	15	79.7	1013.8	0	
7/05/2020 21:30	275	0	0.2	15.5	78.4	1013.9	0	
7/05/2020 22:00	6	0.3	1.1	16.7	71.6	1013.7	0	
7/05/2020 22:30	358	0.2	1.1	17.4	67.9	1013.5	0	
7/05/2020 23:00	328	0.1	0.9	17.5	67.1	1013.5	0	
7/05/2020 23:30	343	0.1	0.8	17	69.6	1013.6	0	
8/05/2020 0:00	25	0.1	0.6	16.4	72.8	1013.6	0	
8/05/2020 0:30	280	0.1	0.4	16.5	71.6	1013.6	0	
8/05/2020 1:00	338	0.1	0.5	16.1	72.9	1013.5	0	
8/05/2020 1:30	15	0.1	1.2	15.6	74.3	1013.3	0	
8/05/2020 2:00	17	0.2	1.6	15.7	73.4	1013.1	0	
8/05/2020 2:30	346	0	0.4	16.2	71.9	1012.9	0	
8/05/2020 3:00	2	0.1	0.9	15.7	73.2	1012.5	0	
8/05/2020 3:30	332	0	1.2	15.9	72	1012.1	0	
8/05/2020 4:00	0	0.1	0.7	15.5	72.3	1012.1	0	
8/05/2020 4:30	322	0.1	0.7	15.4	74.1	1012.3	0	
8/05/2020 5:00	317	0	0.5	14.8	76.3	1012.5	0	
8/05/2020 5:30	305	0	0.2	14.3	78.2	1012.5	0	
8/05/2020 6:00	49	0.1	0.9	14.3	78.4	1012.6	0	
8/05/2020 6:30	35	0.2	0.9	14.4	78.2	1012.6	0	
8/05/2020 7:00	0	0.2	1.1	15	75.6	1012.7	0.06	
8/05/2020 7:30	356	0.2	0.9	15.7	71	1012.8	0.06	
8/05/2020 8:00	358	0	0.5	16.8	66.9	1013.1	0.06	
8/05/2020 8:30	13	0.1	0.9	18.3	62.7	1013.2	0.06	
8/05/2020 9:00	295	0	0.4	19.4	57.7	1013.2	0.06	0.06
8/05/2020 9:30	336	0.2	1.2	20.9	53.5	1013.2	0	
8/05/2020 10:00	341	0.4	1.9	21.8	50.5	1013	0	
8/05/2020 10:30	348	0.2	2	21.8	47.8	1012.9	0	
8/05/2020 11:00	3	0.2	1.2	23.1	45.9	1012.5	0	
8/05/2020 11:30	41	0.2	2.1	23.4	45.2	1011.9	0	
8/05/2020 12:00	30	0.1	1.2	24.2	43.5	1011.3	0	
8/05/2020 12:30	22	0.1	1.1	25.4	39.2	1010.8	0	
8/05/2020 13:00	9	0.2	1.5	25.5	36.2	1010.3	0	
8/05/2020 13:30	44	0.5	1.5	26	37.5	1009.8	0	
8/05/2020 14:00	22	0.4	1.5	26.9	33.6	1009.5	0	
8/05/2020 14:30	30	0.1	1.3	26.9	34.8	1009.5	0	
8/05/2020 15:00	25	0.2	1.6	26.5	36.2	1009.3	0	
8/05/2020 15:30	14	0.3	1.6	26.5	36.5	1009.2	0	
8/05/2020 16:00	305	0	0.4	26	39.8	1009.2	0.02	
8/05/2020 16:30	23	0.1	1.1	24.9	41.7	1009.2	0.02	
8/05/2020 17:00	260	0	0.3	23.3	46.6	1009.3	0.02	
8/05/2020 17:30	154	0	0.1	20.8	57.2	1009.4	0.02	
8/05/2020 18:00	205	0	0.2	19.1	63.8	1009.6	0.02	
8/05/2020 18:30	194	0	0.1	17.7	67.7	1009.7	0.02	
8/05/2020 19:00	228	0	0.3	17.6	67.1	1009.9	0.02	
8/05/2020 19:30	313	0	0.5	18.3	62.1	1010.2	0.02	
8/05/2020 20:00	191	0	0.3	18.5	60.3	1010.3	0.02	
8/05/2020 20:30	299	0	0.2	18.7	59.6	1010.6	0.02	
8/05/2020 21:00	251	0.1	0.4	18.4	60.3	1010.7	0.02	
8/05/2020 21:30	206	0	0.3	17.5	62.2	1010.7	0.02	
8/05/2020 22:00	339	0	0.4	18.1	59.9	1010.7	0.02	
8/05/2020 22:30	20	0.1	0.4	17.9	59.4	1010.3	0.02	
8/05/2020 23:00	310	0	0.9	18.7	56.8	1010.2	0.02	
8/05/2020 23:30	314	0.1	0.7	18.8	56.8	1009.8	0.02	
9/05/2020 0:00	26	0	0.8	18.9	56.1	1009.5	0.02	
9/05/2020 0:30	355	0.1	1	18.8	56.9	1009.4	0.02	
9/05/2020 1:00	25	0.1	1.2	19.3	53.8	1009.2	0.02	
9/05/2020 1:30	338	0.1	0.9	18.7	55	1008.9	0.02	
9/05/2020 2:00	9	0.2	1.4	18.4	56.4	1008.7	0.02	
9/05/2020 2:30	6	0.3	1.2	18	57.4	1008.4	0.02	
9/05/2020 3:00	354	0.1	0.7	17.6	59.9	1008.1	0.02	
9/05/2020 3:30	230	0	0.2	16.1	67.1	1007.7	0.02	
9/05/2020 4:00	352	0.4	1.1	15.7	67.3	1007.4	0.02	
9/05/2020 4:30	351	0	0.8	16.4	64	1007.2	0.02	
9/05/2020 5:00	259	0.1	0.8	16.4	62.6	1007.1	0.02	
9/05/2020 5:30	348	0	0.7	16.6	63.5	1007.4	0.02	
9/05/2020 6:00	309	0.1	0.6	16	63.2	1008	0.02	
9/05/2020 6:30	16	0.1	1	15.6	67.3	1007.6	0.02	
9/05/2020 7:00	153	0.1	0.3	16.8	64.5	1007.6	0.02	
9/05/2020 7:30	334	0	0.5	17.4	61.7	1008	0.02	
9/05/2020 8:00	259	0	0.5	18.6	56.8	1008.3	0.02	
9/05/2020 8:30	323	0.2	1.2	19.3	53.6	1008.4	0.02	
9/05/2020 9:00	344	0.1	1	20.5	53.7	1008.3	0.02	0.02
9/05/2020 9:30	4	1.1	2.2	20.1	52.8	1008	0	
9/05/2020 10:00	26	0.1	1.7	20.4	52	1007.2	0	
9/05/2020 10:30	52	0.6	2.8	21.9	46.8	1006.9	0	
9/05/2020 11:00	30	0.2	2.5	22.5	46.5	1006.4	0	
9/05/2020 11:30	10	0.2	1.7	23.8	42.3	1006	0	



9/05/2020 12:00	344	0.5	3.9	24.4	38	1005.3	0.02	
9/05/2020 12:30	28	0.4	3.2	24.7	37.6	1004.5	0.02	
9/05/2020 13:00	336	0.1	1.5	24.9	35.8	1003.9	0.02	
9/05/2020 13:30	32	0.6	4.3	25.3	36.4	1003.6	0.02	
9/05/2020 14:00	37	0.1	3.3	25	36.6	1003.4	0.02	
9/05/2020 14:30	354	0.4	3.1	24.4	39.8	1003.3	0.02	
9/05/2020 15:00	353	0.2	1.3	25.4	39.4	1003.4	0.02	
9/05/2020 15:30	29	0.4	2.9	25.1	38	1003.2	0.02	
9/05/2020 16:00	168	0	0.5	24.5	37.5	1003.5	0.02	
9/05/2020 16:30	276	0.1	0.8	23.7	40	1003.6	0.02	
9/05/2020 17:00	299	0.1	0.9	22.8	44	1003.9	0.02	
9/05/2020 17:30	28	0	0.6	22.1	46.1	1004.2	0.02	
9/05/2020 18:00	5	0	0.3	21.3	48.9	1004.3	0.02	
9/05/2020 18:30	259	0.1	0.5	21.1	48.9	1004.8	0.02	
9/05/2020 19:00	268	0	0.4	20.6	46.8	1005.3	0.02	
9/05/2020 19:30	307	0	0.8	20.6	44.2	1005.4	0.02	
9/05/2020 20:00	222	0.1	0.8	20.5	41.2	1005.9	0.02	
9/05/2020 20:30	264	0	0.5	20.1	39.7	1006.3	0.02	
9/05/2020 21:00	278	0.1	0.6	19.5	42.6	1007	0.02	
9/05/2020 21:30	175	0	0.6	18.3	45.9	1007.4	0.02	
9/05/2020 22:00	177	0.2	0.3	17.1	49.8	1007.9	0.02	
9/05/2020 22:30	145	0	0.3	15.6	56.3	1008.5	0.02	
9/05/2020 23:00	34	0	0.2	16.4	45.8	1009	0.02	
9/05/2020 23:30	135	0.1	0.8	15.8	49	1009.3	0.02	
10/05/2020 0:00	148	0	0.4	15	51.6	1009.8	0.02	
10/05/2020 0:30	284	0.1	0.3	13.5	56.3	1010	0.02	
10/05/2020 1:00	346	0	0.5	14	49.6	1010.4	0.02	
10/05/2020 1:30	259	0	0.4	13.2	52.6	1010.5	0.02	
10/05/2020 2:00	168	0	0.3	12	58.1	1010.8	0.02	
10/05/2020 2:30	128	0	0.2	11	61.2	1010.8	0.02	
10/05/2020 3:00	192	0.2	0.8	11.9	50.9	1011.3	0.02	
10/05/2020 3:30	158	0.1	1.1	12.3	46.4	1011.4	0.02	
10/05/2020 4:00	266	0.2	0.7	11.9	48	1011.7	0.02	
10/05/2020 4:30	335	0.1	0.5	11	52.2	1012	0.02	
10/05/2020 5:00	247	0.1	0.3	9.8	57.6	1012.1	0.02	
10/05/2020 5:30	276	0	0.2	8.9	62.1	1012.5	0.02	
10/05/2020 6:00	188	0	0.3	8.8	64.4	1012.6	0.02	
10/05/2020 6:30	332	0	0.1	8.5	64.6	1013.1	0.02	
10/05/2020 7:00	252	0.1	0.4	9.4	59.5	1013.4	0.04	
10/05/2020 7:30	174	0	0.4	11.2	51.2	1014.1	0.04	
10/05/2020 8:00	180	0	0.6	12.4	47.4	1014.8	0.04	
10/05/2020 8:30	297	0.1	0.6	13.4	44.2	1014.8	0.04	
10/05/2020 9:00	306	0.1	0.9	14.3	43.8	1014.8	0.04	0.04
10/05/2020 9:30	249	0.1	0.8	14.3	40.6	1014.6	0	
10/05/2020 10:00	289	0.1	1.1	15.2	35.6	1014.7	0	
10/05/2020 10:30	135	0.2	1.2	15.8	33.5	1014.7	0	
10/05/2020 11:00	299	0.1	1.2	16.5	29.9	1014.5	0	
10/05/2020 11:30	337	0.2	1.1	16.9	28.4	1014.4	0	
10/05/2020 12:00	76	0	1	17.4	26.5	1014.1	0	
10/05/2020 12:30	169	0.1	2	17.9	24.4	1013.8	0	
10/05/2020 13:00	144	0	1.8	18.5	26.2	1013.7	0	
10/05/2020 13:30	28	0.1	1.4	18.4	24.5	1013.7	0	
10/05/2020 14:00	253	0.1	0.7	18.5	23.5	1013.7	0	
10/05/2020 14:30	147	0	1	18.4	24.5	1014	0	
10/05/2020 15:00	202	0.1	1.5	18.6	23	1014.1	0	
10/05/2020 15:30	186	0.1	0.9	17.9	25.5	1014.4	0.01	
10/05/2020 16:00	345	0	0.6	16.9	27.2	1014.6	0.01	
10/05/2020 16:30	262	0.1	0.4	16.1	30	1015.1	0.01	
10/05/2020 17:00	351	0.1	0.5	14.8	35.4	1015.4	0.01	
10/05/2020 17:30	193	0	0.3	13.3	42.3	1016	0.01	
10/05/2020 18:00	351	0	0.3	12.2	45.5	1016.6	0.01	
10/05/2020 18:30	353	0	0.6	11.7	47.1	1017.2	0.01	
10/05/2020 19:00	194	0	0.5	12.4	41.7	1017.5	0.01	
10/05/2020 19:30	354	0.1	0.7	12.1	44.8	1017.9	0.01	
10/05/2020 20:00	150	0.1	0.9	12.1	45	1018.4	0.01	
10/05/2020 20:30	133	0	0.4	11.7	48.1	1018.8	0.01	
10/05/2020 21:00	100	0	0.6	11	51	1018.9	0.01	
10/05/2020 21:30	134	0	0.2	10.8	50.3	1019.2	0.01	
10/05/2020 22:00	107	0	0.4	10.2	55.6	1019.4	0.01	
10/05/2020 22:30	127	0.1	0.5	9.3	59.9	1019.4	0.01	
10/05/2020 23:00	5	0	0.4	8.4	65.1	1019.2	0.01	
10/05/2020 23:30	201	0	0.3	7.8	68.4	1019.2	0.01	
11/05/2020 0:00	212	0	0.2	7.1	71.2	1019.2	0.01	
11/05/2020 0:30	184	0	0.2	7.3	72.4	1019.3	0.01	
11/05/2020 1:00	152	0	0.2	6.9	71.8	1019.1	0.01	
11/05/2020 1:30	142	0	0.2	6.3	74.9	1019	0.01	
11/05/2020 2:00	181	0	0.2	6	78.5	1019.2	0.01	
11/05/2020 2:30	343	0	0.2	5.7	78.6	1019.1	0.01	
11/05/2020 3:00	171	0.2	0.3	5.6	80.3	1019.1	0.01	
11/05/2020 3:30	169	0	0.2	5.5	78.5	1019.2	0.01	
11/05/2020 4:00	204	0	0.2	5.5	83.3	1019.3	0.01	
11/05/2020 4:30	171	0	0.3	4.8	82.5	1019.5	0.02	
11/05/2020 5:00	187	0	0.2	4.8	83.4	1019.8	0.02	
11/05/2020 5:30	274	0	0.1	4.4	84.1	1020.1	0.02	
11/05/2020 6:00	216	0	0.2	4.2	85.3	1020.5	0.02	
11/05/2020 6:30	212	0	0.2	4.8	85.8	1021	0.02	
11/05/2020 7:00	179	0	0.1	4.8	85.8	1021.1	0.02	
11/05/2020 7:30	315	0	0.6	6.6	77.4	1021.5	0.02	
11/05/2020 8:00	16	0	0.4	8.7	66	1022.1	0.03	
11/05/2020 8:30	356	0.2	1	10.7	60	1022.2	0.06	
11/05/2020 9:00	96	0.1	0.4	12.4	52.2	1022.2	0.1	0.1
11/05/2020 9:30	166	0.3	1.7	13.8	44.7	1022.2	0	
11/05/2020 10:00	82	0.1	0.9	15.9	39.8	1022.2	0	
11/05/2020 10:30	154	0.1	1.6	15.9	39.2	1022.2	0	
11/05/2020 11:00	159	0.3	1.9	16.5	37.7	1022	0	

11/05/2020 11:30	178	0.3	1.4	17.1	35.3	1021.5	0	
11/05/2020 12:00	146	0.2	1.9	17.9	33.2	1021	0	
11/05/2020 12:30	165	0.2	1.6	18.4	33.7	1020.6	0	
11/05/2020 13:00	166	0.2	1.2	18.7	32.9	1020.3	0	
11/05/2020 13:30	214	0.1	0.9	19.4	31.4	1020.2	0.01	
11/05/2020 14:00	188	0.1	0.8	19.9	30.5	1020.1	0.01	
11/05/2020 14:30	3	0.1	0.8	19.1	31.7	1020.2	0.01	
11/05/2020 15:00	332	0	0.4	19.3	32.8	1020	0.01	
11/05/2020 15:30	201	0.3	1.3	18.8	34	1020	0.01	
11/05/2020 16:00	164	0.1	0.6	18.6	34.5	1020.1	0.01	
11/05/2020 16:30	144	0.1	0.7	17.6	36.1	1020.2	0.01	
11/05/2020 17:00	118	0.2	1.1	16.3	41.8	1020.4	0.01	
11/05/2020 17:30	107	0	0.4	14.7	50.2	1020.5	0.01	
11/05/2020 18:00	107	0	0.1	12.5	60.5	1020.8	0.01	
11/05/2020 18:30	126	0	0.1	11.4	64	1021.2	0.01	
11/05/2020 19:00	182	0	0.2	10.6	66.8	1021.4	0.01	
11/05/2020 19:30	188	0.1	0.2	9.9	69.4	1021.7	0.01	
11/05/2020 20:00	180	0	0.1	9.5	73	1021.9	0.01	
11/05/2020 20:30	234	0	0.2	9.4	74	1022	0.01	
11/05/2020 21:00	136	0	0.1	9	76.9	1022.1	0.01	
11/05/2020 21:30	245	0	0.1	8.6	79	1022.2	0.01	
11/05/2020 22:00	238	0	0.1	8.2	80.6	1022.1	0.01	
11/05/2020 22:30	87	0	0.3	7.8	82.2	1022.1	0.01	
11/05/2020 23:00	136	0	0.2	7.8	82.7	1022	0.01	
11/05/2020 23:30	136	0	0.1	7.8	83	1022	0.01	
12/05/2020 0:00	149	0	0.1	7.4	84	1021.9	0.01	
12/05/2020 0:30	170	0	0.2	7.8	83.7	1022	0.01	
12/05/2020 1:00	186	0.1	0.4	7.3	83.8	1022	0.01	
12/05/2020 1:30	217	0	0.1	7	85.5	1021.9	0.01	
12/05/2020 2:00	217	0.1	0.3	6.8	86.8	1021.7	0.01	
12/05/2020 2:30	245	0	0.1	6.2	86.7	1021.5	0.01	
12/05/2020 3:00	164	0	0.1	5.9	87.5	1021.4	0.01	
12/05/2020 3:30	295	0	0.2	5.8	88.1	1021.4	0.02	
12/05/2020 4:00	198	0	0.2	5.8	89.3	1021.3	0.02	
12/05/2020 4:30	257	0	0.1	6.1	88.9	1021.3	0.02	
12/05/2020 5:00	212	0	0.3	5.9	89	1021.4	0.02	
12/05/2020 5:30	300	0	0.3	6.2	89.1	1021.6	0.02	
12/05/2020 6:00	319	0	0.3	6	88.3	1021.7	0.02	
12/05/2020 6:30	285	0	0.3	6	88.7	1022	0.02	
12/05/2020 7:00	228	0.1	0.4	6	87.5	1021.9	0.02	
12/05/2020 7:30	220	0.1	0.7	7.2	85.7	1022	0.02	
12/05/2020 8:00	338	0	0.4	8.9	77	1022.2	0.02	
12/05/2020 8:30	42	0	0.4	10.5	69.4	1022.3	0.02	
12/05/2020 9:00	343	0.1	0.7	11.1	65.4	1022.2	0.02	0.02
12/05/2020 9:30	113	0	0.6	13	60.8	1022.1	0	
12/05/2020 10:00	328	0.1	0.9	14.1	56	1021.8	0	
12/05/2020 10:30	55	0.1	1.3	14.1	56.3	1021.5	0	
12/05/2020 11:00	13	0.2	1.4	16	50.7	1021.2	0	
12/05/2020 11:30	345	0.2	1.1	16.2	47.3	1020.7	0.03	
12/05/2020 12:00	38	0.1	0.7	17.3	44.8	1020.1	0.03	
12/05/2020 12:30	285	0.1	0.6	18.7	42.1	1019.5	0.03	
12/05/2020 13:00	25	0.4	1.8	19	40.4	1018.9	0.03	
12/05/2020 13:30	64	0.1	1.8	19	41.2	1018.5	0.03	
12/05/2020 14:00	17	0.3	1.9	19.1	43.4	1018.1	0.03	
12/05/2020 14:30	47	0.2	1.6	19.4	41.7	1017.8	0.03	
12/05/2020 15:00	11	0.6	1.7	19.7	41.3	1017.6	0.03	
12/05/2020 15:30	326	0.2	1.2	19.3	42.5	1017.3	0.03	
12/05/2020 16:00	15	0.1	0.9	19.3	41.7	1017.2	0.03	
12/05/2020 16:30	63	0	0.5	19	44.6	1017.1	0.03	
12/05/2020 17:00	353	0	0.6	18.2	48.3	1017.1	0.03	
12/05/2020 17:30	179	0	0.3	16.6	54.4	1017.1	0.03	
12/05/2020 18:00	113	0	0.2	15.4	60.7	1017.5	0.03	
12/05/2020 18:30	214	0	0.3	14	69.1	1017.8	0	
12/05/2020 19:00	184	0.1	0.2	13.3	74.8	1017.8	0	
12/05/2020 19:30	133	0	0.1	12.7	78.9	1018	0	
12/05/2020 20:00	93	0	0.2	12.2	80.3	1018.2	0	
12/05/2020 20:30	3	0	0.3	12.5	82.7	1018.2	0	
12/05/2020 21:00	202	0.1	0.3	12.8	78.8	1018.2	0	
12/05/2020 21:30	346	0	0.6	14.2	74.6	1017.8	0	
12/05/2020 22:00	23	0.2	1.5	14.5	72.2	1017.6	0	
12/05/2020 22:30	6	0	0.5	14.4	72.9	1017.4	0	
12/05/2020 23:00	1	0	0.7	13.9	73.2	1017.3	0	
12/05/2020 23:30	321	0.1	0.6	13.2	75.8	1017.3	0	
13/05/2020 0:00	270	0	0.4	11.9	78.7	1017.2	0	
13/05/2020 0:30	166	0	0.1	10.8	81.5	1017.1	0	
13/05/2020 1:00	219	0	0.3	10	84.1	1017.1	0	
13/05/2020 1:30	346	0.1	0.3	9.7	85.3	1017	0	
13/05/2020 2:00	138	0.1	0.4	10.1	85.7	1016.8	0	
13/05/2020 2:30	4	0	0.5	10.1	83.9	1016.5	0	
13/05/2020 3:00	219	0	0.2	9.3	83	1016.5	0	
13/05/2020 3:30	280	0	0.3	8.3	85.1	1016.5	0	
13/05/2020 4:00	163	0.1	0.2	7.8	88.2	1016.6	0	
13/05/2020 4:30	121	0.1	0.3	7.6	88	1016.8	0	
13/05/2020 5:00	188	0	0.1	7.9	89.7	1016.8	0	
13/05/2020 5:30	210	0	0.4	8	88.7	1016.7	0	
13/05/2020 6:00	223	0.2	0.6	8	88.7	1017	0.01	
13/05/2020 6:30	207	0	0.4	8	88.2	1017	0	
13/05/2020 7:00	230	0	0.2	8.2	87.4	1017.3	0	
13/05/2020 7:30	231	0.1	0.4	8.9	82.9	1017.7	0	
13/05/2020 8:00	264	0	0.4	9.7	77.8	1017.9	0	
13/05/2020 8:30	312	0	0.3	10.4	73.3	1018.1	0	
13/05/2020 9:00	64	0	0.3	11.2	72.1	1018	0	0
13/05/2020 9:30	45	0.1	0.7	12	72	1018.1	0	
13/05/2020 10:00	209	0	0.3	12.8	65.1	1018.2	0	
13/05/2020 10:30	22	0.1	0.9	13.2	65.2	1018.1	0	

13/05/2020 11:00	275	0	0.3	13.6	65.1	1017.7	0	
13/05/2020 11:30	24	0.2	1.3	15.3	59.6	1017.8	0	
13/05/2020 12:00	126	0	0.4	15.4	57.4	1017.3	0	
13/05/2020 12:30	15	0.1	0.4	16.4	52.1	1016.8	0	
13/05/2020 13:00	18	0	0.4	16.8	55.1	1016.2	0	
13/05/2020 13:30	39	0.1	0.8	17.5	51.7	1016.1	0	
13/05/2020 14:00	339	0	0.3	17.3	53.3	1016.1	0	
13/05/2020 14:30	331	0	0.2	18.4	46.8	1016.1	0	
13/05/2020 15:00	204	0	0.3	18.5	43.9	1016.1	0	
13/05/2020 15:30	245	0	0.2	17.4	54	1016.1	0	
13/05/2020 16:00	169	0	0.1	16.6	57.9	1016.2	0	
13/05/2020 16:30	195	0.2	0.3	15.7	64.2	1016.2	0	
13/05/2020 17:00	325	0	0.1	14.6	68.3	1016.3	0	
13/05/2020 17:30	191	0	0.1	13.2	71.1	1016.6	0	
13/05/2020 18:00	216	0	0.1	12.3	75.1	1017	0	
13/05/2020 18:30	161	0	0.1	11.6	77.3	1017.3	0	
13/05/2020 19:00	201	0	0.2	10.8	79	1017.8	0	
13/05/2020 19:30	129	0	0.2	10.3	81.5	1018.1	0	
13/05/2020 20:00	89	0	0.1	10	83.2	1018.3	0	
13/05/2020 20:30	258	0	0.2	9.7	84.6	1018.4	0	
13/05/2020 21:00	204	0	0.2	9.7	85.3	1018.5	0	
13/05/2020 21:30	129	0.4	0.5	9.1	84.5	1018.8	0	
13/05/2020 22:00	166	0.1	0.3	8.7	82.7	1018.8	0	
13/05/2020 22:30	149	0	0.1	8.2	84.3	1018.8	0	
13/05/2020 23:00	146	0	0.2	8.2	85.4	1018.8	0	
13/05/2020 23:30	182	0	0.1	7.9	86.7	1018.8	0	
14/05/2020 0:00	44	0	0.2	7.8	87.6	1018.6	0	
14/05/2020 0:30	77	0.1	0.3	8.3	84.4	1018.7	0	
14/05/2020 1:00	159	0	0.2	7.8	85	1018.7	0	
14/05/2020 1:30	175	0.1	0.2	7.5	86.9	1018.8	0	
14/05/2020 2:00	130	0	0.4	7.3	87.9	1018.8	0	
14/05/2020 2:30	183	0	0.2	7.1	87.9	1018.7	0	
14/05/2020 3:00	340	0	0.4	6.9	88.4	1018.7	0	
14/05/2020 3:30	103	0.2	0.6	8.5	84.1	1018.8	0.02	
14/05/2020 4:00	13	0.1	0.5	9.5	77.7	1019.1	0.02	
14/05/2020 4:30	92	0.1	0.5	10.3	75.6	1019.3	0.02	
14/05/2020 5:00	358	0	0.3	10.4	77.2	1019.6	0.02	
14/05/2020 5:30	134	0	0.4	10.6	75.9	1019.8	0.02	
14/05/2020 6:00	67	0.1	0.4	10.6	75.8	1020	0.02	
14/05/2020 6:30	338	0	0.2	9.6	79.3	1020.4	0.02	
14/05/2020 7:00	58	0.1	0.4	9.2	81.9	1020.7	0.02	
14/05/2020 7:30	44	0	0.2	9.9	78.6	1021.1	0.02	
14/05/2020 8:00	162	0	0.5	12.6	70.1	1021.5	0.02	
14/05/2020 8:30	267	0.2	0.9	13.9	67.5	1021.7	0.02	
14/05/2020 9:00	185	0.1	0.7	14.9	61.1	1022	0.02	0.02
14/05/2020 9:30	344	0.3	1.3	15.6	59.9	1021.9	0	
14/05/2020 10:00	184	0.2	1.2	16	59.5	1021.9	0	
14/05/2020 10:30	175	0.3	2.3	17	57.4	1021.8	0	
14/05/2020 11:00	198	0.5	1.7	17.5	54.3	1021.6	0	
14/05/2020 11:30	129	0.2	1	17.6	54.8	1021.4	0	
14/05/2020 12:00	135	0.2	1.3	17.5	53.1	1021.1	0.06	
14/05/2020 12:30	154	0.1	1.9	19.2	47.8	1021	0.07	
14/05/2020 13:00	126	0.3	2.2	18.6	46.4	1020.8	0.07	
14/05/2020 13:30	142	0.5	2.5	18.7	47.3	1020.5	0.07	
14/05/2020 14:00	141	0.2	2.5	18.3	50.1	1020.5	0.07	
14/05/2020 14:30	128	0.1	1.8	17.6	54.9	1020.7	0.07	
14/05/2020 15:00	154	1	2.8	17.5	54.4	1020.7	0.07	
14/05/2020 15:30	140	0.2	2.8	16.9	58.4	1021	0.07	
14/05/2020 16:00	143	1.9	3.7	16	62	1021.1	0.07	
14/05/2020 16:30	139	0	1.9	15.7	65.4	1021.1	0.07	
14/05/2020 17:00	129	1	2.7	15.4	65.4	1021.2	0.07	
14/05/2020 17:30	151	0.2	2	15.2	66.7	1021.4	0.07	
14/05/2020 18:00	152	0.1	1.2	15.2	65.1	1021.8	0.07	
14/05/2020 18:30	174	0.5	1.5	15	64.5	1022.1	0.07	
14/05/2020 19:00	179	0.3	1.9	15	61.5	1022.5	0.07	
14/05/2020 19:30	173	0.5	1.3	14.6	60.3	1022.7	0.07	
14/05/2020 20:00	170	0.5	1.1	14.7	60.3	1022.9	0.07	
14/05/2020 20:30	177	0	0.2	14.5	61.7	1023.1	0	
14/05/2020 21:00	176	0	0.3	14.1	62.8	1023.2	0	
14/05/2020 21:30	257	0	0.3	13.7	64.1	1023.3	0	
14/05/2020 22:00	47	0	0.2	13.7	63.1	1023.3	0	
14/05/2020 22:30	329	0	0.3	13.4	63.3	1023.2	0	
14/05/2020 23:00	151	0	0.3	13.2	63.2	1023.2	0	
14/05/2020 23:30	196	0	0.3	13.1	63.1	1023.2	0	
15/05/2020 0:00	59	0	0.3	13	63.7	1023.2	0	
15/05/2020 0:30	94	0	0.5	13	64.2	1022.9	0	
15/05/2020 1:00	98	0	0.5	13.2	63.9	1022.7	0	
15/05/2020 1:30	297	0.1	0.5	13.2	63.5	1022.7	0	
15/05/2020 2:00	76	0	0.4	13	63.7	1022.6	0	
15/05/2020 2:30	204	0	0.4	12.2	66.3	1022.4	0	
15/05/2020 3:00	136	0	0.2	11.3	69.9	1022.3	0	
15/05/2020 3:30	313	0	0.4	10.9	71	1022.2	0	
15/05/2020 4:00	46	0.1	0.4	10.5	72.7	1022.2	0.03	
15/05/2020 4:30	1	0	0.2	10.2	72.9	1022.3	0.03	
15/05/2020 5:00	33	0	0.5	10.2	71.8	1022.4	0.03	
15/05/2020 5:30	337	0.1	0.3	10	71.2	1022.7	0.03	
15/05/2020 6:00	76	0	0.4	10.1	71.7	1022.9	0.03	
15/05/2020 6:30	123	0	0.3	10.1	71.4	1023.2	0.03	
15/05/2020 7:00	342	0.1	0.6	10.4	69.5	1023.4	0.07	
15/05/2020 7:30	151	0.1	0.5	11.4	66	1023.8	0.07	
15/05/2020 8:00	159	0	0.6	12.9	61	1024.1	0.07	
15/05/2020 8:30	308	0	0.6	14.3	57	1024.3	0.07	
15/05/2020 9:00	11	0.1	0.4	15	54.5	1024.3	0.07	0.07
15/05/2020 9:30	139	0.1	0.7	16.3	52.3	1024.3	0	
15/05/2020 10:00	143	0	0.8	16.7	52.8	1024.3	0	



15/05/2020 10:30	174	0.9	3.6	16.9	53.1	1024.2	0	
15/05/2020 11:00	96	0.1	1	17.1	54.3	1024	0	
15/05/2020 11:30	138	0.3	1.3	17.7	54.2	1023.8	0	
15/05/2020 12:00	199	0.2	1.5	16.2	70.6	1023.8	0	
15/05/2020 12:30	307	0	0.5	15.2	77.8	1023	0	
15/05/2020 13:00	140	0.1	2.4	16.9	62.6	1022.9	0	
15/05/2020 13:30	182	0.3	2.7	18.2	53.9	1022.6	0	
15/05/2020 14:00	122	0	0.6	17	61.7	1022.4	0	
15/05/2020 14:30	154	0	1.2	17.3	59.8	1022.4	0	
15/05/2020 15:00	176	0.1	1	17.1	59.9	1022.5	0	
15/05/2020 15:30	144	0.3	1.7	16.9	60.4	1022.7	0	
15/05/2020 16:00	152	0.1	1.5	16.7	62.9	1023	0	
15/05/2020 16:30	192	0.2	1.3	15.9	67.4	1023.2	0	
15/05/2020 17:00	174	0.2	0.9	14.2	82.9	1023.4	0	
15/05/2020 17:30	237	0	0.4	14.3	83	1023.7	0	
15/05/2020 18:00	160	0	0.2	14.1	84.9	1024.2	0	
15/05/2020 18:30	147	0	0.3	13.6	87	1024.4	0	
15/05/2020 19:00	85	0	0.2	13.4	87.3	1024.4	0	
15/05/2020 19:30	166	0	0.2	13.4	87.6	1024.6	0	
15/05/2020 20:00	159	0.1	0.4	13.5	87.7	1024.9	0	
15/05/2020 20:30	330	0	0.2	13.2	87.8	1024.9	0	
15/05/2020 21:00	270	0.1	0.4	13.1	88.3	1024.9	0	
15/05/2020 21:30	334	0.1	0.5	12.9	89	1024.9	0	
15/05/2020 22:00	233	0	0.4	12.9	89.3	1025	0.02	
15/05/2020 22:30	17	0	0.3	12.8	89.6	1024.8	0.02	
15/05/2020 23:00	281	0	0.3	12.6	89.4	1024.7	0.02	
15/05/2020 23:30	170	0	0.2	12.4	89.5	1024.7	0.03	
16/05/2020 0:00	141	0.1	0.8	12.2	90.2	1024.8	0.03	
16/05/2020 0:30	332	0	0.3	12.1	89.9	1024.3	0.03	
16/05/2020 1:00	126	0	0.4	11.9	90.3	1024.3	0.03	
16/05/2020 1:30	2	0	0.2	11.5	90.3	1024.5	0.03	
16/05/2020 2:00	154	0	0.1	11.3	91.1	1024.4	0.03	
16/05/2020 2:30	161	0.3	0.5	11.4	91	1024.3	0.03	
16/05/2020 3:00	208	0	0.1	11.9	91.2	1024.2	0.03	
16/05/2020 3:30	218	0	0.2	11.8	91.2	1024.1	0.03	
16/05/2020 4:00	316	0.1	0.3	12	91.3	1024.1	0.03	
16/05/2020 4:30	339	0	0.3	12	91.1	1024.2	0.03	
16/05/2020 5:00	28	0	0.1	11.8	91.3	1024.3	0.03	
16/05/2020 5:30	118	0	0.1	11.7	91.2	1024.5	0.03	
16/05/2020 6:00	351	0	0.1	11.2	91.1	1024.7	0.03	
16/05/2020 6:30	150	0.1	0.3	10.3	91.3	1024.8	0.03	
16/05/2020 7:00	170	0	0.2	9.9	92.1	1025.1	0.03	
16/05/2020 7:30	21	0	0.1	10.3	92.4	1025.4	0.03	
16/05/2020 8:00	40	0	0.2	13.1	92.8	1025.7	0.03	
16/05/2020 8:30	47	0.1	0.9	13	89.5	1026	0.03	
16/05/2020 9:00	148	0	0.3	12.4	89.9	1026.1	0.03	0.03
16/05/2020 9:30	22	0	0.4	13.9	90.1	1026.2	0	
16/05/2020 10:00	92	0.2	1.4	14.6	85.6	1026.5	0	
16/05/2020 10:30	180	0.2	1.2	16.2	75.1	1026.2	0	
16/05/2020 11:00	2	0.1	0.6	17.5	70.3	1026	0	
16/05/2020 11:30	125	0.1	0.7	18.8	56.1	1025.4	0	
16/05/2020 12:00	74	0	0.8	19.4	52.9	1025	0	
16/05/2020 12:30	83	0.3	0.8	20.1	49.3	1024.6	0	
16/05/2020 13:00	157	0.1	1.2	19.9	49.9	1024.3	0	
16/05/2020 13:30	66	0.7	2.1	19.1	53.2	1023.9	0	
16/05/2020 14:00	87	0.1	1	18.7	58.3	1023.8	0	
16/05/2020 14:30	66	0.4	1.7	18.7	58.3	1023.8	0	
16/05/2020 15:00	69	0.5	1.8	19.4	53.4	1023.8	0	
16/05/2020 15:30	80	0.2	1.2	19.4	52.8	1023.7	0	
16/05/2020 16:00	91	0.1	1.1	19	53.5	1023.6	0	
16/05/2020 16:30	76	0.2	0.9	18.3	53.4	1023.6	0	
16/05/2020 17:00	146	0.2	0.4	16.8	61.1	1023.6	0	
16/05/2020 17:30	225	0	0.1	15.7	68	1023.9	0	
16/05/2020 18:00	197	0	0.1	14.4	74.3	1024.1	0	
16/05/2020 18:30	204	0	0.3	13.1	77.2	1024.5	0	
16/05/2020 19:00	133	0	0.1	12.3	81.9	1024.8	0	
16/05/2020 19:30	341	0	0.1	11.6	84.3	1024.9	0	
16/05/2020 20:00	165	0	0.1	11.2	86	1025	0	
16/05/2020 20:30	180	0	0.2	10.8	87.4	1025	0	
16/05/2020 21:00	68	0	0.2	10.6	88.4	1025	0	
16/05/2020 21:30	184	0	0.2	10.2	89.1	1025.1	0	
16/05/2020 22:00	207	0.1	0.2	10.1	90.2	1025.1	0	
16/05/2020 22:30	147	0	0.2	9.6	90.3	1025	0	
16/05/2020 23:00	200	0	0.2	9.6	90.2	1025	0	
16/05/2020 23:30	167	0	0.1	9.8	90.9	1024.9	0	
17/05/2020 0:00	306	0	0.1	9.8	92	1024.8	0	
17/05/2020 0:30	122	0.2	0.3	9.5	91.7	1024.7	0	
17/05/2020 1:00	132	0	0.1	9.3	91.5	1024.6	0	
17/05/2020 1:30	205	0	0.1	8.4	91.2	1024.4	0	
17/05/2020 2:00	172	0	0.1	8.4	91.7	1024.2	0	
17/05/2020 2:30	24	0	0.1	8.3	91.4	1024	0	
17/05/2020 3:00	193	0	0.1	8.2	91.9	1024	0	
17/05/2020 3:30	219	0.1	0.3	8.6	92.2	1023.9	0	
17/05/2020 4:00	27	0	0.3	8.8	92.6	1023.9	0	
17/05/2020 4:30	16	0	0.1	8.8	92.8	1024	0	
17/05/2020 5:00	94	0.1	0.4	7.8	92	1024	0	
17/05/2020 5:30	204	0	0.2	7.6	91.9	1024.1	0	
17/05/2020 6:00	207	0	0.1	7.4	92.1	1024.2	0	
17/05/2020 6:30	156	0	0.2	7.4	92.4	1024.4	0	
17/05/2020 7:00	267	0	0.2	7.8	92.6	1024.9	0	
17/05/2020 7:30	328	0.1	0.5	8.9	92.7	1025.2	0	
17/05/2020 8:00	347	0.2	0.7	9.9	91.5	1025.4	0	
17/05/2020 8:30	341	0	0.6	11.2	89.6	1025.7	0	
17/05/2020 9:00	356	0	0.5	12.8	85.5	1026.2	0	0
17/05/2020 9:30	11	0	0.6	14.5	75.4	1026.3	0	

17/05/2020 10:00	192	0.1	0.3	16	70.2	1026.3	0	
17/05/2020 10:30	226	0.3	0.9	17.4	63.1	1026.2	0	
17/05/2020 11:00	107	0	0.3	19	59	1026	0	
17/05/2020 11:30	348	0.1	0.8	19.1	58.2	1025.4	0	
17/05/2020 12:00	131	0.1	0.3	19.5	56.6	1025	0	
17/05/2020 12:30	305	0.1	0.9	20.7	48.6	1024.7	0	
17/05/2020 13:00	128	0.1	0.8	20.7	44	1024.3	0	
17/05/2020 13:30	136	0.9	2.4	19.9	52.2	1024.1	0	
17/05/2020 14:00	143	0.2	1.4	19.2	54.8	1024	0	
17/05/2020 14:30	115	0.3	1.3	21.1	48.7	1023.9	0	
17/05/2020 15:00	133	0.2	1.1	19.7	53.7	1023.9	0	
17/05/2020 15:30	126	0.6	2.2	19.7	55.1	1024.1	0	
17/05/2020 16:00	102	0.3	1.3	19.4	55.3	1024.2	0	
17/05/2020 16:30	118	0.5	1.2	18.3	56.3	1024.3	0	
17/05/2020 17:00	164	0	0.2	17.7	61	1024.4	0	
17/05/2020 17:30	179	0.1	0.4	17.1	64.7	1024.6	0	
17/05/2020 18:00	192	0	0.1	16.3	70.2	1024.9	0	
17/05/2020 18:30	62	0	0.1	15.1	75.4	1025.3	0	
17/05/2020 19:00	198	0	0.1	15	79.4	1025.7	0	
17/05/2020 19:30	149	0	0.1	14.9	79.4	1025.9	0	
17/05/2020 20:00	208	0.2	0.3	14.3	81.2	1026.1	0	
17/05/2020 20:30	177	0	0.1	13.4	84	1026.1	0	
17/05/2020 21:00	221	0.2	0.3	13	85.5	1026.1	0	
17/05/2020 21:30	16	0	0.1	12.1	87.1	1026.3	0	
17/05/2020 22:00	142	0	0.1	11.4	88	1026.4	0	
17/05/2020 22:30	133	0	0.2	11.2	90.1	1026.3	0	
17/05/2020 23:00	358	0	0.2	11.1	89.7	1026.4	0	
17/05/2020 23:30	315	0	0.1	10.6	89.9	1026.4	0	
18/05/2020 0:00	232	0.1	0.2	10.1	90.2	1026.1	0	
18/05/2020 0:30	215	0	0.2	9.9	90.5	1026.1	0	
18/05/2020 1:00	176	0	0.2	9.8	90.7	1025.9	0	
18/05/2020 1:30	166	0	0.1	10	91.7	1026	0	
18/05/2020 2:00	213	0	0.3	9.6	91.1	1025.8	0	
18/05/2020 2:30	145	0.5	0.6	9.5	91.4	1025.7	0	
18/05/2020 3:00	116	0	0.2	9.3	91.1	1025.5	0	
18/05/2020 3:30	200	0	0.1	9.2	91.3	1025.3	0	
18/05/2020 4:00	106	0	0.2	9.2	91.6	1025.3	0	
18/05/2020 4:30	17	0	0.2	9.5	92	1025.5	0	
18/05/2020 5:00	339	0.1	0.4	9.6	91.4	1025.9	0	
18/05/2020 5:30	111	0	0.2	10.5	92.5	1026.1	0.01	
18/05/2020 6:00	257	0	0.2	10.5	91.5	1026.3	0.01	
18/05/2020 6:30	243	0	0.3	10.8	91.5	1026.5	0.01	
18/05/2020 7:00	351	0	0.1	10.9	91.8	1026.8	0.01	
18/05/2020 7:30	131	0	0.5	12	92.2	1027.3	0	
18/05/2020 8:00	280	0	0.2	12.5	91.6	1027.5	0	
18/05/2020 8:30	253	0	0.4	12.7	91	1028	0.01	
18/05/2020 9:00	269	0	0.1	13.5	91.3	1028.1	0.01	0.01
18/05/2020 9:30	210	0.1	0.4	14.7	91.8	1027.9	0	
18/05/2020 10:00	179	1.4	2.3	15.8	81.4	1027.9	0	
18/05/2020 10:30	177	0.2	1.9	18	70.9	1027.7	0	
18/05/2020 11:00	146	0.7	1.5	19.1	63.7	1027.3	0	
18/05/2020 11:30	106	0.1	1.2	19.9	61.1	1026.6	0	
18/05/2020 12:00	225	0.3	1.8	19.9	60.8	1026.2	0	
18/05/2020 12:30	45	0.1	1.1	18.8	66.3	1025.9	0	
18/05/2020 13:00	317	0.4	0.9	18.9	66.3	1025.5	0	
18/05/2020 13:30	334	0.1	0.9	18.9	68.7	1025.3	0	
18/05/2020 14:00	343	0	0.3	18.7	69.3	1025.2	0	
18/05/2020 14:30	47	0.1	0.9	17.4	76.8	1025.1	0.03	
18/05/2020 15:00	86	0.5	1.8	17.4	78.1	1025.2	0.03	
18/05/2020 15:30	58	0.3	1.1	17.4	75.4	1025.1	0.03	
18/05/2020 16:00	85	0	0.5	17.2	74.9	1025.1	0.03	
18/05/2020 16:30	35	0.1	0.4	17.3	74.9	1025	0.03	
18/05/2020 17:00	147	0	0.2	17.3	76.5	1025	0.03	
18/05/2020 17:30	89	0	0.2	16.6	79.4	1025.3	0.03	
18/05/2020 18:00	322	0.1	0.3	16.3	80.7	1025.6	0.03	
18/05/2020 18:30	99	0	0.1	16.1	85.9	1025.7	0.03	
18/05/2020 19:00	309	0	0.2	15.9	86.4	1025.8	0.03	
18/05/2020 19:30	210	0.1	0.4	15.9	86.5	1025.9	0.03	
18/05/2020 20:00	279	0	0.2	15.7	85.4	1026	0.03	
18/05/2020 20:30	298	0	0.2	15.6	86	1026.1	0.03	
18/05/2020 21:00	27	0	0.4	15.7	85.3	1026.1	0.03	
18/05/2020 21:30	162	0	0.1	15.6	84.6	1026	0.03	
18/05/2020 22:00	216	0	0.2	15.3	85.5	1025.9	0.03	
18/05/2020 22:30	223	0.1	0.2	15.2	86.4	1025.9	0.03	
18/05/2020 23:00	339	0	0.2	15.2	86.7	1025.7	0.03	
18/05/2020 23:30	341	0	0.3	15.1	87	1025.5	0.03	
19/05/2020 0:00	282	0	0.2	15.1	87.5	1025.3	0.03	
19/05/2020 0:30	319	0.2	0.5	14.9	88.6	1025.3	0.03	
19/05/2020 1:00	200	0	0.2	14.9	89.1	1024.8	0.05	
19/05/2020 1:30	56	0.3	0.6	14.6	89.5	1024.6	0.05	
19/05/2020 2:00	39	0	0.2	14.7	90	1024.6	0.05	
19/05/2020 2:30	334	0	0.1	14.6	90.2	1024.2	0.06	
19/05/2020 3:00	69	0	0.2	14.8	91	1024.2	0.06	
19/05/2020 3:30	114	0.2	0.7	14.7	90.9	1023.7	0.06	
19/05/2020 4:00	222	0	0.2	14.5	90.8	1023.6	0.07	
19/05/2020 4:30	279	0.1	0.3	14.5	90.8	1023.6	0.07	
19/05/2020 5:00	217	0	0.2	14.1	91.1	1023.6	0.07	
19/05/2020 5:30	251	0	0.2	13.9	91	1023.7	0.07	
19/05/2020 6:00	198	0	0.2	12.8	90.8	1023.7	0.07	
19/05/2020 6:30	7	0	0.4	12.8	91.5	1023.9	0.07	
19/05/2020 7:00	218	0.1	0.4	12.7	91.7	1024.3	0.07	
19/05/2020 7:30	342	0.1	0.6	13.1	91.7	1024.5	0.07	
19/05/2020 8:00	292	0.2	0.6	13.3	92.1	1024.6	0.07	
19/05/2020 8:30	310	0.1	0.6	13.4	92.2	1024.6	0.07	
19/05/2020 9:00	178	0	0.2	13.2	91.3	1024.7	0.07	0.07



19/05/2020 9:30	11	0.1	0.7	13.6	91.3	1024.9	0	
19/05/2020 10:00	45	0.1	0.7	14.2	91	1024.7	0	
19/05/2020 10:30	251	0	0.4	14.2	90.2	1024.5	0	
19/05/2020 11:00	0	0.5	1	15.3	84.1	1023.9	0	
19/05/2020 11:30	335	0.4	1.3	17.2	75.6	1023.3	0	
19/05/2020 12:00	333	0.1	1	17.8	69.6	1022.5	0	
19/05/2020 12:30	22	0.4	1.8	20.1	61.6	1022	0	
19/05/2020 13:00	344	0.1	0.9	20.3	57.4	1021.5	0	
19/05/2020 13:30	332	0.1	0.5	20.7	52.8	1020.9	0	
19/05/2020 14:00	34	0.1	1.8	20.3	50.5	1020.4	0	
19/05/2020 14:30	349	0.2	1.4	20.8	47.1	1020.1	0	
19/05/2020 15:00	327	0	0.7	21	50.1	1019.9	0	
19/05/2020 15:30	23	0.2	1.7	20.7	48.4	1019.6	0	
19/05/2020 16:00	16	0.1	1.4	20.6	49	1019.4	0	
19/05/2020 16:30	57	0.2	1.7	19.8	53.9	1019	0	
19/05/2020 17:00	63	0	0.2	18.5	62.3	1019.1	0	
19/05/2020 17:30	125	0	0.1	16.8	69.5	1019.4	0	
19/05/2020 18:00	65	0.1	0.9	17.2	71.4	1019.1	0	
19/05/2020 18:30	80	0.4	1.3	17.2	71.6	1019	0	
19/05/2020 19:00	80	0.5	1.7	16.7	73.4	1019	0	
19/05/2020 19:30	133	0	0.1	16.4	75.3	1019	0	
19/05/2020 20:00	17	0	0.3	15.5	79.3	1019	0	
19/05/2020 20:30	307	0	0.4	15	82	1018.9	0	
19/05/2020 21:00	214	0.1	0.3	14.4	84.1	1018.8	0	
19/05/2020 21:30	200	0	0.2	14.2	86.1	1018.8	0	
19/05/2020 22:00	165	0	0.1	13.9	86	1018.9	0	
19/05/2020 22:30	187	0	0.1	13.7	87.2	1018.4	0	
19/05/2020 23:00	214	0	0.1	13.1	87.8	1018	0	
19/05/2020 23:30	205	0.1	0.2	12.5	88.6	1017.7	0	
20/05/2020 0:00	321	0	0.1	12.2	89.4	1017.2	0	
20/05/2020 0:30	208	0	0.1	12.2	89.9	1017.1	0	
20/05/2020 1:00	237	0	0.1	12.3	90.5	1016.9	0	
20/05/2020 1:30	174	0	0.1	11.8	90.5	1016.3	0	
20/05/2020 2:00	199	0	0.1	12	91.1	1016	0	
20/05/2020 2:30	220	0.1	0.3	11.4	90.5	1015.7	0	
20/05/2020 3:00	110	0	0.1	11.2	91	1015.2	0	
20/05/2020 3:30	133	0.2	0.3	10.8	91.1	1014.7	0	
20/05/2020 4:00	227	0	0.3	10.8	91.5	1014.5	0.01	
20/05/2020 4:30	258	0	0.2	11.4	91.9	1014.1	0.01	
20/05/2020 5:00	222	0	0.2	11.7	91.7	1014.1	0.01	
20/05/2020 5:30	213	0	0.3	11.7	91.5	1014	0.01	
20/05/2020 6:00	14	0.1	0.4	11.7	91.2	1014.4	0.01	
20/05/2020 6:30	6	0.1	0.8	11.8	91.8	1014.5	0.01	
20/05/2020 7:00	24	0	0.4	12.3	91.1	1014.7	0.01	
20/05/2020 7:30	248	0	0.5	13	90.9	1014.7	0.02	
20/05/2020 8:00	250	0	0.6	13.1	87.1	1014.6	0.02	
20/05/2020 8:30	266	0.1	0.4	13.3	86.1	1014.5	0.02	
20/05/2020 9:00	30	0.1	0.7	14	85	1014.2	0.02	0.02
20/05/2020 9:30	2	0.2	1.9	16	73.1	1013.7	0	
20/05/2020 10:00	354	0.2	1.7	17.7	66.7	1013.4	0	
20/05/2020 10:30	336	0.1	2.1	20	60.3	1012.7	0	
20/05/2020 11:00	332	0.1	2	20.6	55.6	1012.2	0	
20/05/2020 11:30	282	0.1	0.7	22	54.6	1011.5	0	
20/05/2020 12:00	337	0.2	1.7	23.5	49.2	1011	0	
20/05/2020 12:30	357	0.2	1.4	24.1	46.5	1010.7	0	
20/05/2020 13:00	6	0.2	2.3	23.5	45.7	1010.2	0	
20/05/2020 13:30	348	0.3	2.5	23.1	47	1009.9	0	
20/05/2020 14:00	352	0.4	2.1	22.9	46.1	1009.6	0	
20/05/2020 14:30	325	0	0.5	23.5	46.2	1009.5	0	
20/05/2020 15:00	333	0.5	2	23	48.5	1009.3	0	
20/05/2020 15:30	16	0.1	0.8	23	45.4	1009.2	0	
20/05/2020 16:00	17	0.1	0.8	23.2	45.2	1009.4	0	
20/05/2020 16:30	341	0.1	0.7	21.9	49.5	1009.5	0	
20/05/2020 17:00	12	0.3	1.1	20.9	56.6	1009.5	0	
20/05/2020 17:30	19	0.5	1.8	20.2	58.1	1009.5	0	
20/05/2020 18:00	16	0	1.3	19.7	60.6	1009.7	0	
20/05/2020 18:30	348	0.1	1.1	19.2	61.6	1010	0	
20/05/2020 19:00	12	0.4	1.1	19.3	62.4	1010.2	0	
20/05/2020 19:30	339	0	0.4	18.8	64.9	1010.4	0	
20/05/2020 20:00	18	0.1	1.1	19.1	62.7	1010.4	0	
20/05/2020 20:30	3	0.1	1.2	18.9	63.2	1010.4	0	
20/05/2020 21:00	4	0.2	1.8	18.8	63.9	1010.6	0	
20/05/2020 21:30	349	0.2	1.3	18.8	63	1010.6	0	
20/05/2020 22:00	19	0.2	1.3	19	62.7	1010.7	0	
20/05/2020 22:30	29	0.1	0.8	18.6	65.9	1010.7	0	
20/05/2020 23:00	350	0.1	0.7	18.4	65.9	1010.4	0	
20/05/2020 23:30	6	0.1	1.2	18.4	64.8	1010.1	0	
21/05/2020 0:00	10	0.3	1.6	17.7	66.2	1009.9	0	
21/05/2020 0:30	27	0.1	1.4	17.6	68.1	1009.3	0	
21/05/2020 1:00	347	0.2	0.8	17.2	70	1009.1	0	
21/05/2020 1:30	22	0	1.5	17.3	68.9	1008.8	0	
21/05/2020 2:00	16	0.1	1.6	17.6	68.6	1008.6	0	
21/05/2020 2:30	312	0	1	17.5	68.8	1008.5	0	
21/05/2020 3:00	275	0.1	0.6	17.3	69.8	1008.2	0	
21/05/2020 3:30	20	0	0.5	16.9	72.6	1008.1	0.02	
21/05/2020 4:00	290	0	0.7	16.3	73.6	1008.1	0.03	
21/05/2020 4:30	206	0.1	0.8	15.6	80.6	1008.4	0.18	
21/05/2020 5:00	129	0	0.2	15.1	82.5	1008.2	0.18	
21/05/2020 5:30	212	0	0.2	15	83.6	1008.2	0.18	
21/05/2020 6:00	329	0	0.4	15	84.3	1008.2	0.18	
21/05/2020 6:30	354	0	0.2	14.7	84.2	1007.8	0.18	
21/05/2020 7:00	156	0.2	0.4	14	86.1	1008.3	0.18	
21/05/2020 7:30	160	0	0.1	14.1	87.7	1008.6	0.18	
21/05/2020 8:00	37	0	0.1	14.1	87.6	1008.5	0.18	
21/05/2020 8:30	314	0	0.3	14.7	87.1	1008.5	0.18	

21/05/2020 9:00	313	0	0.5	15.4	82.8	1008.2	0.18	0.18
21/05/2020 9:30	347	0	0.3	16	79.4	1007.9	0	
21/05/2020 10:00	200	0	0.2	16.1	81.3	1008.3	0.03	
21/05/2020 10:30	356	0	0.2	15.8	83.6	1007.9	0.1	
21/05/2020 11:00	251	0	0.4	15.8	86.5	1007.8	0.12	
21/05/2020 11:30	311	0.1	0.4	15.6	86.5	1007.4	0.44	
21/05/2020 12:00	17	0	0.3	15.3	88.3	1006.7	1.16	
21/05/2020 12:30	9	0	0.7	15.2	87	1006	1.62	
21/05/2020 13:00	21	0.2	1.5	15.4	88.6	1005.3	1.67	
21/05/2020 13:30	17	0.2	0.9	16	84	1004.9	1.67	
21/05/2020 14:00	340	0.1	1	17.1	77.1	1004.5	1.67	
21/05/2020 14:30	18	0.1	0.7	18.2	66.6	1004.5	1.67	
21/05/2020 15:00	54	0.2	0.7	18.5	66.1	1004.1	1.67	
21/05/2020 15:30	355	0	0.3	18.5	67.2	1003.6	1.67	
21/05/2020 16:00	173	0	0.1	18.2	73.3	1003.5	1.67	
21/05/2020 16:30	151	0.8	1.6	16.7	73.5	1003.3	1.67	
21/05/2020 17:00	152	0.3	0.6	16	77.7	1003.2	1.67	
21/05/2020 17:30	198	0.2	0.9	16.3	76.3	1003.6	1.67	
21/05/2020 18:00	176	0.2	1.4	15.4	85.6	1003.6	4.57	
21/05/2020 18:30	162	0.1	0.4	15.2	88.4	1004.4	4.64	
21/05/2020 19:00	162	0.7	2.2	12.9	84.9	1005	6.93	
21/05/2020 19:30	203	0	0.5	12.3	86.9	1005	0	
21/05/2020 20:00	313	0	0.5	12.2	88.1	1005	0	
21/05/2020 20:30	166	0	0.2	12.1	88.9	1005.8	0	
21/05/2020 21:00	120	0	0.4	12.2	89.4	1006.2	0.41	
21/05/2020 21:30	103	0.1	0.4	12.1	89.6	1006.4	1.1	
21/05/2020 22:00	159	0	0.9	10.9	88.4	1006.3	0	
21/05/2020 22:30	29	0	1.1	10.4	88.1	1006.2	0	
21/05/2020 23:00	324	0	0.6	10	87.5	1005.9	0	
21/05/2020 23:30	225	0.1	1.5	9.6	85.2	1005.9	0	
22/05/2020 0:00	26	0	1	9.7	83.9	1005.9	0	
22/05/2020 0:30	328	0.2	1.7	9.3	85.7	1005.8	0.11	
22/05/2020 1:00	304	0.1	1.3	9.1	86.5	1005.5	0.66	
22/05/2020 1:30	-	-	-	-	-	-	-	
22/05/2020 2:00	-	-	-	-	-	-	-	
22/05/2020 2:30	-	-	-	-	-	-	-	
22/05/2020 3:00	-	-	-	-	-	-	-	
22/05/2020 3:30	-	-	-	-	-	-	-	
22/05/2020 4:00	-	-	-	-	-	-	-	
22/05/2020 4:30	-	-	-	-	-	-	-	
22/05/2020 5:00	-	-	-	-	-	-	-	
22/05/2020 5:30	-	-	-	-	-	-	-	
22/05/2020 6:00	-	-	-	-	-	-	-	
22/05/2020 6:30	-	-	-	-	-	-	-	
22/05/2020 7:00	-	-	-	-	-	-	-	
22/05/2020 7:30	-	-	-	-	-	-	-	
22/05/2020 8:00	-	-	-	-	-	-	-	
22/05/2020 8:30	-	-	-	-	-	-	-	
22/05/2020 9:00	-	-	-	-	-	-	-	
22/05/2020 9:30	-	-	-	-	-	-	-	
22/05/2020 10:00	-	-	-	-	-	-	-	
22/05/2020 10:30	-	-	-	-	-	-	-	
22/05/2020 11:00	-	-	-	-	-	-	-	
22/05/2020 11:30	-	-	-	-	-	-	-	
22/05/2020 12:00	-	-	-	-	-	-	-	
22/05/2020 12:30	-	-	-	-	-	-	-	
22/05/2020 13:00	-	-	-	-	-	-	-	
22/05/2020 13:30	-	-	-	-	-	-	-	
22/05/2020 14:00	-	-	-	-	-	-	-	
22/05/2020 14:30	-	-	-	-	-	-	-	
22/05/2020 15:00	-	-	-	-	-	-	-	
22/05/2020 15:30	-	-	-	-	-	-	-	
22/05/2020 16:00	-	-	-	-	-	-	-	
22/05/2020 16:30	-	-	-	-	-	-	-	
22/05/2020 17:00	-	-	-	-	-	-	-	
22/05/2020 17:30	-	-	-	-	-	-	-	
22/05/2020 18:00	-	-	-	-	-	-	-	
22/05/2020 18:30	-	-	-	-	-	-	-	
22/05/2020 19:00	-	-	-	-	-	-	-	
22/05/2020 19:30	-	-	-	-	-	-	-	
22/05/2020 20:00	-	-	-	-	-	-	-	
22/05/2020 20:30	-	-	-	-	-	-	-	
22/05/2020 21:00	-	-	-	-	-	-	-	
22/05/2020 21:30	-	-	-	-	-	-	-	
22/05/2020 22:00	-	-	-	-	-	-	-	
22/05/2020 22:30	-	-	-	-	-	-	-	
22/05/2020 23:00	-	-	-	-	-	-	-	
22/05/2020 23:30	-	-	-	-	-	-	-	
23/05/2020 0:00	-	-	-	-	-	-	-	
23/05/2020 0:30	-	-	-	-	-	-	-	
23/05/2020 1:00	-	-	-	-	-	-	-	
23/05/2020 1:30	-	-	-	-	-	-	-	
23/05/2020 2:00	-	-	-	-	-	-	-	
23/05/2020 2:30	-	-	-	-	-	-	-	
23/05/2020 3:00	-	-	-	-	-	-	-	
23/05/2020 3:30	-	-	-	-	-	-	-	
23/05/2020 4:00	-	-	-	-	-	-	-	
23/05/2020 4:30	-	-	-	-	-	-	-	
23/05/2020 5:00	-	-	-	-	-	-	-	
23/05/2020 5:30	-	-	-	-	-	-	-	
23/05/2020 6:00	-	-	-	-	-	-	-	
23/05/2020 6:30	-	-	-	-	-	-	-	
23/05/2020 7:00	-	-	-	-	-	-	-	
23/05/2020 7:30	-	-	-	-	-	-	-	
23/05/2020 8:00	-	-	-	-	-	-	-	

23/05/2020 8:30	-	-	-	-	-	-	-	-
23/05/2020 9:00	-	-	-	-	-	-	-	-
23/05/2020 9:30	-	-	-	-	-	-	-	-
23/05/2020 10:00	-	-	-	-	-	-	-	-
23/05/2020 10:30	-	-	-	-	-	-	-	-
23/05/2020 11:00	-	-	-	-	-	-	-	-
23/05/2020 11:30	-	-	-	-	-	-	-	-
23/05/2020 12:00	-	-	-	-	-	-	-	-
23/05/2020 12:30	-	-	-	-	-	-	-	-
23/05/2020 13:00	-	-	-	-	-	-	-	-
23/05/2020 13:30	-	-	-	-	-	-	-	-
23/05/2020 14:00	-	-	-	-	-	-	-	-
23/05/2020 14:30	-	-	-	-	-	-	-	-
23/05/2020 15:00	-	-	-	-	-	-	-	-
23/05/2020 15:30	-	-	-	-	-	-	-	-
23/05/2020 16:00	-	-	-	-	-	-	-	-
23/05/2020 16:30	-	-	-	-	-	-	-	-
23/05/2020 17:00	-	-	-	-	-	-	-	-
23/05/2020 17:30	344	0	0.4	13.4	82.4	1002	0	
23/05/2020 18:00	43	0	0.2	13.1	85.5	1002.2	0.06	
23/05/2020 18:30	330	0.1	0.4	12.8	85.9	1002.4	0.06	
23/05/2020 19:00	166	0	0.3	12.6	84.8	1002.6	0.06	
23/05/2020 19:30	342	0.2	0.4	12.7	84.6	1002.8	0.06	
23/05/2020 20:00	190	0.1	0.3	12.6	84.6	1003	0.06	
23/05/2020 20:30	322	0	0.2	12.5	82.4	1003.3	0.06	
23/05/2020 21:00	236	0	0.2	12.9	79.4	1003.5	0.06	
23/05/2020 21:30	141	0.1	0.3	12.9	80.1	1003.6	0.06	
23/05/2020 22:00	314	0	0.1	12.8	80.1	1003.7	0.06	
23/05/2020 22:30	254	0	0.3	12.8	78.2	1003.7	0.06	
23/05/2020 23:00	300	0.1	0.7	13.3	74.4	1003.7	0.06	
23/05/2020 23:30	191	0	0.4	14.1	65.2	1003.7	0.06	
24/05/2020 0:00	130	0	0.3	14.2	63.9	1003.8	0.06	
24/05/2020 0:30	335	0	0.5	14.2	64.6	1003.8	0	
24/05/2020 1:00	54	0	0.4	14.1	64.2	1003.8	0	
24/05/2020 1:30	289	0	0.6	14.2	62.4	1003.8	0	
24/05/2020 2:00	356	0.1	0.6	14	61.2	1003.9	0	
24/05/2020 2:30	104	0.1	0.4	13.9	62.1	1003.8	0	
24/05/2020 3:00	17	0.1	0.4	13.4	63.7	1003.7	0	
24/05/2020 3:30	6	0	0.2	13.7	63	1003.7	0	
24/05/2020 4:00	123	0.1	0.8	13.8	62	1003.6	0	
24/05/2020 4:30	13	0	0.4	13.7	61.9	1003.7	0	
24/05/2020 5:00	243	0	0.4	13.8	61.4	1003.8	0	
24/05/2020 5:30	74	0.1	0.9	14	60.1	1004.1	0	
24/05/2020 6:00	301	0	0.6	14.1	58.1	1004.6	0	
24/05/2020 6:30	273	0.1	0.9	14.1	58.1	1004.7	0	
24/05/2020 7:00	50	0.1	0.6	14	58.7	1005.3	0	
24/05/2020 7:30	141	0	0.8	14.1	57.1	1005.7	0	
24/05/2020 8:00	18	0	0.7	14.6	57.2	1006	0	
24/05/2020 8:30	297	0.1	1.3	15.2	57	1006.2	0	
24/05/2020 9:00	112	0.1	0.9	16.2	54.2	1006.4	0	0
24/05/2020 9:30	197	0.1	1.1	16.6	53.2	1006.8	0	
24/05/2020 10:00	194	0.1	1.7	17.1	54.5	1007	0	
24/05/2020 10:30	178	0.6	3.9	17	57.4	1007	0	
24/05/2020 11:00	172	0.1	2.2	17.2	55.6	1007	0	
24/05/2020 11:30	173	0.9	3.7	17.8	51	1006.8	0	
24/05/2020 12:00	181	1.6	5.2	17.9	51.6	1006.5	0	
24/05/2020 12:30	187	1.3	4.2	18.3	49.2	1006.2	0	
24/05/2020 13:00	179	2.3	5	18.3	48.3	1006.3	0	
24/05/2020 13:30	182	2.6	5.9	18.4	47.6	1006.2	0	
24/05/2020 14:00	172	0.6	3.7	18.1	48.5	1006.4	0	
24/05/2020 14:30	161	0.5	3.6	18	48.5	1006.4	0	
24/05/2020 15:00	209	0.1	2.6	17.8	47.6	1006.6	0	
24/05/2020 15:30	185	0.6	4.3	17.6	48	1006.7	0	
24/05/2020 16:00	170	2.4	5.3	17.8	45.1	1007	0	
24/05/2020 16:30	173	1.8	4.4	17.1	46.7	1007.4	0	
24/05/2020 17:00	183	0.6	3.9	16.6	48.4	1007.9	0	
24/05/2020 17:30	183	0.4	2	15.9	51.3	1008.4	0	
24/05/2020 18:00	170	0.1	1.4	15.6	54.2	1008.9	0	
24/05/2020 18:30	185	0.3	2.6	15.5	51.8	1009.2	0	
24/05/2020 19:00	199	0.1	0.9	14.9	51.1	1009.4	0	
24/05/2020 19:30	190	0.1	1.6	14.4	51.8	1009.6	0	
24/05/2020 20:00	79	0	0.5	13.8	54.9	1009.6	0	
24/05/2020 20:30	156	0.2	1.1	13.8	55.7	1009.9	0	
24/05/2020 21:00	34	0	0.3	13.1	57	1009.9	0	
24/05/2020 21:30	146	0.1	0.9	13.7	56.9	1010.2	0	
24/05/2020 22:00	165	0.1	0.8	13.8	56.9	1010.3	0	
24/05/2020 22:30	23	0	0.5	13.1	60.7	1010.3	0	
24/05/2020 23:00	33	0	0.4	12.2	63.7	1010.3	0	
24/05/2020 23:30	93	0	0.5	12.4	61.2	1010.3	0	
25/05/2020 0:00	166	0	0.6	12.7	60.2	1010.3	0	
25/05/2020 0:30	208	0	0.6	13.1	57.5	1010.3	0	
25/05/2020 1:00	255	0	0.4	13.1	57.6	1010.3	0	
25/05/2020 1:30	11	0.1	0.4	13.1	59.1	1010.2	0	
25/05/2020 2:00	175	0	0.8	13.1	60.7	1010.2	0	
25/05/2020 2:30	168	0.1	0.7	13	60.9	1010.1	0	
25/05/2020 3:00	293	0	0.4	12.7	61.4	1009.9	0	
25/05/2020 3:30	25	0.1	0.8	12.7	62.8	1009.9	0	
25/05/2020 4:00	340	0	0.4	12.4	63.9	1009.9	0.01	
25/05/2020 4:30	291	0	0.5	12	66.8	1010	0.01	
25/05/2020 5:00	246	0	0.3	12.1	66.2	1010.2	0.01	
25/05/2020 5:30	306	0	0.2	12.2	64.7	1010.4	0.01	
25/05/2020 6:00	289	0	0.3	12.8	63.3	1010.6	0.01	
25/05/2020 6:30	121	0	0.6	12.5	64.5	1011	0.01	
25/05/2020 7:00	183	0.2	0.8	12.7	64.3	1011.3	0.01	
25/05/2020 7:30	324	0	0.8	12.8	64.2	1011.5	0.01	

25/05/2020 8:00	13	0.1	0.3	13.8	64.3	1011.8	0.01	
25/05/2020 8:30	115	0.1	1	14.3	63.3	1012	0.01	
25/05/2020 9:00	198	0.1	1.7	14.9	62.3	1012.2	0.01	0.01
25/05/2020 9:30	192	0	2	14.9	61.2	1012.2	0	
25/05/2020 10:00	173	0.1	1.4	15.5	61.9	1012.3	0	
25/05/2020 10:30	128	0.2	1.7	16	61.4	1012.2	0	
25/05/2020 11:00	177	0.1	1.3	16.4	59.7	1012.1	0	
25/05/2020 11:30	165	0.2	2.6	16.6	60.3	1011.9	0	
25/05/2020 12:00	158	0.2	1.9	17	59.6	1011.6	0	
25/05/2020 12:30	192	0.9	4.9	17.3	58	1011.5	0	
25/05/2020 13:00	176	0.3	3.1	17.5	57.7	1011.3	0	
25/05/2020 13:30	171	0.7	3.8	18.4	54.8	1011.3	0	
25/05/2020 14:00	160	0.3	2.3	17.6	58.4	1011.4	0	
25/05/2020 14:30	173	0.5	4.7	17.6	57.8	1011.4	0	
25/05/2020 15:00	177	0.6	4.3	17.6	58.3	1011.4	0	
25/05/2020 15:30	181	0.6	3.3	17.1	61.7	1011.7	0.02	
25/05/2020 16:00	161	0.2	2.8	16.7	63.2	1011.9	0.06	
25/05/2020 16:30	180	0.4	4	16.6	62	1012	0.06	
25/05/2020 17:00	170	0.2	1.6	16.3	64.2	1012.2	0.06	
25/05/2020 17:30	191	0.4	2.1	16	66.5	1012.7	0.08	
25/05/2020 18:00	181	0.3	1.7	15.9	66.9	1012.9	0.08	
25/05/2020 18:30	164	0.2	3	15.9	66.3	1013.1	0.08	
25/05/2020 19:00	177	0.2	2.9	15.2	72.3	1013.4	0.16	
25/05/2020 19:30	178	0.3	1.7	15.3	71.5	1013.5	0.16	
25/05/2020 20:00	148	0.4	1.5	15.1	74.4	1014	0.22	
25/05/2020 20:30	120	0	1.1	14.9	75.3	1014.2	0	
25/05/2020 21:00	177	0.5	3.1	14.6	76.6	1014.6	0.22	
25/05/2020 21:30	187	0	0.5	13.9	83.2	1014.9	1.36	
25/05/2020 22:00	195	0	1.5	13.7	84.4	1014.9	0	
25/05/2020 22:30	177	0.6	1.5	13.7	82.7	1015.1	0.02	
25/05/2020 23:00	182	0.2	2.1	14.1	80.2	1015.2	0.03	
25/05/2020 23:30	196	0	1.3	14.1	80.3	1015.3	0	
26/05/2020 0:00	167	0.1	1.9	14	80.4	1015.4	0.01	
26/05/2020 0:30	178	0.1	1.5	13.8	81.8	1015.4	0.01	
26/05/2020 1:00	190	0	1.3	14	77.7	1015.3	0.01	
26/05/2020 1:30	168	0.2	1.3	14	76.4	1015.2	0.01	
26/05/2020 2:00	181	0.1	1.6	14.2	75.9	1015.2	0.01	
26/05/2020 2:30	153	0.1	1.4	13.7	75.9	1015.2	0.01	
26/05/2020 3:00	224	0.1	1.3	13.7	77.5	1015.1	0.01	
26/05/2020 3:30	268	0	0.4	13.7	78.1	1015.2	0.01	
26/05/2020 4:00	168	0.1	0.9	13.7	76.2	1015.1	0.02	
26/05/2020 4:30	175	0.2	1.3	13.7	76.9	1015.1	0.02	
26/05/2020 5:00	166	0.1	1.2	14.1	75.5	1015.3	0.02	
26/05/2020 5:30	178	0	0.6	14.1	76	1015.6	0.02	
26/05/2020 6:00	181	0.1	0.7	14.4	74.7	1015.7	0.02	
26/05/2020 6:30	161	0.1	1	14.1	77.2	1016	0.02	
26/05/2020 7:00	154	0.2	1.3	14.1	78.7	1016.3	0.02	
26/05/2020 7:30	130	0.1	0.9	14.4	77	1016.4	0.05	
26/05/2020 8:00	248	0.3	0.8	14.9	74.5	1016.7	0.05	
26/05/2020 8:30	177	0.1	1.3	15.2	74.6	1016.9	0.05	
26/05/2020 9:00	116	0	0.6	15.2	81.5	1017.2	0.05	0.05
26/05/2020 9:30	147	0.2	1.4	16.1	77.2	1017.2	0	
26/05/2020 10:00	174	2	4.3	16.9	75.9	1017.2	0	
26/05/2020 10:30	189	0.1	1.2	17.4	74.3	1017.3	0	
26/05/2020 11:00	176	0.5	2	16.2	84.6	1017.2	0	
26/05/2020 11:30	190	0.1	1.2	17	84.6	1017	0	
26/05/2020 12:00	165	0.1	1.7	18.5	69.5	1016.7	0	
26/05/2020 12:30	156	0.7	2.1	19.2	62.4	1016.3	0	
26/05/2020 13:00	151	0.6	2.5	19.3	57.1	1016.2	0	
26/05/2020 13:30	135	1.9	3.5	18.4	62.8	1015.8	0	
26/05/2020 14:00	138	0.8	2.2	17.8	67.6	1015.7	0	
26/05/2020 14:30	154	0.2	2.6	17.8	65	1015.8	0.01	
26/05/2020 15:00	190	0.7	1.9	19.3	57.3	1015.8	0.01	
26/05/2020 15:30	143	1.4	3.1	19.3	55.7	1015.8	0.01	
26/05/2020 16:00	184	0.7	1.8	15.8	76.3	1016.2	0.03	
26/05/2020 16:30	173	0.4	1.5	16.1	74.4	1016.4	0.03	
26/05/2020 17:00	186	0.2	1	15.7	74.6	1016.5	0.03	
26/05/2020 17:30	160	0.8	2.5	16.1	70.9	1016.8	0.03	
26/05/2020 18:00	182	0.6	1.7	15.6	73.5	1016.9	0.03	
26/05/2020 18:30	163	0.3	0.9	15.6	73.1	1017.1	0.03	
26/05/2020 19:00	201	0.1	0.5	15.5	75.5	1017.2	0.03	
26/05/2020 19:30	206	0.2	0.7	15.2	79.3	1017.6	0.07	
26/05/2020 20:00	50	0	0.1	14.7	81.9	1017.6	0.07	
26/05/2020 20:30	168	0.2	0.7	14.6	82.5	1017.4	0.07	
26/05/2020 21:00	177	0	0.4	14.5	80.7	1017.6	0.07	
26/05/2020 21:30	218	0	0.3	14.5	80.3	1017.6	0.07	
26/05/2020 22:00	163	0	0.7	14.5	78.2	1017.6	0.07	
26/05/2020 22:30	107	0	0.4	14.4	81.3	1017.7	0.07	
26/05/2020 23:00	163	0.1	1.6	14.2	82.1	1017.8	0.07	
26/05/2020 23:30	170	0.1	0.4	14.3	83	1017.8	0.07	
27/05/2020 0:00	133	0.1	0.4	14	87	1017.8	0.21	
27/05/2020 0:30	300	0	0.2	13.5	88.2	1017.7	0.21	
27/05/2020 1:00	214	0	0.8	13.6	89	1017.3	0.21	
27/05/2020 1:30	125	0.1	0.5	13.4	88.4	1017.4	0.21	
27/05/2020 2:00	316	0.2	0.7	12.9	88	1017.2	0.21	
27/05/2020 2:30	145	0	0.6	12.6	88.5	1016.9	0.21	
27/05/2020 3:00	184	0.1	1.1	12.7	88	1016.9	0.21	
27/05/2020 3:30	98	0	0.5	13.2	85.1	1016.5	0.21	
27/05/2020 4:00	78	0	0.3	12.9	85.3	1016.5	0.22	
27/05/2020 4:30	162	0.1	0.4	12.3	87.2	1016.6	0.22	
27/05/2020 5:00	305	0	0.1	12.1	87.7	1016.4	0.22	
27/05/2020 5:30	54	0	0.3	11.6	88.4	1016.3	0.22	
27/05/2020 6:00	159	0	0.3	11	89.2	1016.3	0.22	
27/05/2020 6:30	324	0	0.2	10.6	89.1	1016.5	0.22	
27/05/2020 7:00	180	0	0.2	10.6	90.1	1016.9	0.22	



27/05/2020 7:30	23	0	0.2	11.1	90.6	1017	0.22	
27/05/2020 8:00	63	0	0.1	13	88.7	1017.4	0.22	
27/05/2020 8:30	306	0	0.2	14.5	78.8	1017.5	0.22	
27/05/2020 9:00	149	0.2	1	16	72.1	1017.5	0.22	0.22
27/05/2020 9:30	182	0.3	1.1	15.7	69.9	1017.3	0	
27/05/2020 10:00	186	0.2	1.1	17.5	65.4	1017.3	0	
27/05/2020 10:30	181	0.2	0.8	17.5	63.6	1017.1	0	
27/05/2020 11:00	175	0.2	0.8	18.4	61	1016.6	0	
27/05/2020 11:30	120	0.1	1	18.7	59.7	1016.1	0	
27/05/2020 12:00	334	0.1	0.8	18.8	58	1015.6	0	
27/05/2020 12:30	7	0.4	1.6	19.5	56.9	1015.4	0	
27/05/2020 13:00	348	0.1	0.9	19.5	55	1015.1	0	
27/05/2020 13:30	300	0.1	0.6	20.3	53.9	1014.7	0	
27/05/2020 14:00	243	0.1	0.3	20.2	52.5	1014.5	0	
27/05/2020 14:30	36	0.4	1.4	19.9	51.2	1014.2	0	
27/05/2020 15:00	336	0	0.4	19.8	51.4	1013.9	0	
27/05/2020 15:30	3	0.5	0.8	19.8	47.3	1013.9	0	
27/05/2020 16:00	165	0	0.2	20.4	50.8	1013.9	0	
27/05/2020 16:30	115	0	0.5	18	62.5	1013.8	0	
27/05/2020 17:00	113	0.1	0.6	17.5	68.3	1013.9	0	
27/05/2020 17:30	129	0.1	0.3	16.9	72.1	1014.4	0	
27/05/2020 18:00	147	0	0.2	16.4	74.2	1014.4	0	
27/05/2020 18:30	199	0.1	0.2	15.4	78.7	1014.8	0	
27/05/2020 19:00	186	0	0.1	14.7	81.1	1014.9	0	
27/05/2020 19:30	247	0	0.3	14.2	83.4	1015.1	0	
27/05/2020 20:00	212	0	0.1	13.9	84.8	1015.2	0	
27/05/2020 20:30	170	0	0.1	13.4	86.5	1015.2	0	
27/05/2020 21:00	206	0	0.2	13	87.8	1015.2	0	
27/05/2020 21:30	193	0	0.1	12.5	88.4	1015.2	0	
27/05/2020 22:00	175	0	0.1	12.6	89.1	1015.2	0	
27/05/2020 22:30	228	0	0.2	11.8	89.6	1015.1	0	
27/05/2020 23:00	137	0.1	0.4	11.7	90.1	1014.9	0	
27/05/2020 23:30	129	0	0.2	11.7	91.2	1014.4	0	
28/05/2020 0:00	148	0	0.1	11.8	91.3	1014.5	0	
28/05/2020 0:30	181	0.1	0.2	11.7	90.6	1014.5	0	
28/05/2020 1:00	212	0	0.2	11.6	90.8	1014.5	0	
28/05/2020 1:30	220	0	0.2	11.6	91.2	1014.4	0	
28/05/2020 2:00	200	0	0.2	11.5	91	1014.5	0	
28/05/2020 2:30	166	0	0.1	11.2	91.1	1014.3	0	
28/05/2020 3:00	122	0	0.2	11.3	91.4	1014.5	0	
28/05/2020 3:30	184	0.1	0.3	11.3	91.7	1014.2	0.01	
28/05/2020 4:00	304	0	0.3	11.4	92	1014.2	0.01	
28/05/2020 4:30	152	0	0.1	11.3	91.2	1014.2	0.01	
28/05/2020 5:00	160	0	0.3	10.5	91.2	1014.3	0.01	
28/05/2020 5:30	190	0.1	0.3	10.2	91.3	1014.4	0.01	
28/05/2020 6:00	213	0	0.2	10.1	91.7	1014.6	0.01	
28/05/2020 6:30	192	0	0.1	9.9	91.6	1015.1	0.01	
28/05/2020 7:00	13	0	0.3	9.8	91.6	1015.3	0.01	
28/05/2020 7:30	228	0	0.2	10.5	92.4	1015.7	0.01	
28/05/2020 8:00	162	0	0.2	11.4	91.4	1015.9	0.01	
28/05/2020 8:30	330	0.1	0.7	11.4	88.9	1016.1	0.01	
28/05/2020 9:00	352	0.6	1.3	12.6	84.8	1016.3	0.01	0.01
28/05/2020 9:30	337	0.1	0.9	14.4	78.9	1016.5	0	
28/05/2020 10:00	28	0.1	1	15.2	76.7	1016.5	0	
28/05/2020 10:30	314	0	0.5	16.3	74.6	1016.1	0	
28/05/2020 11:00	39	0.1	1.5	17	69.5	1015.7	0	
28/05/2020 11:30	317	0	0.8	18.2	64.5	1015.3	0	
28/05/2020 12:00	310	0.2	1	19.7	56.7	1014.9	0	
28/05/2020 12:30	93	0.1	0.3	20.8	52.9	1014.4	0	
28/05/2020 13:00	294	0	0.3	21.8	48.3	1014	0	
28/05/2020 13:30	319	0.1	0.8	21.8	45.6	1013.6	0	
28/05/2020 14:00	143	0.1	0.7	22.6	44.6	1013.5	0	
28/05/2020 14:30	182	0.3	2.3	22.5	39.7	1013.4	0	
28/05/2020 15:00	29	0	0.5	22.5	41.2	1013.4	0.01	
28/05/2020 15:30	134	0.1	0.5	22.9	41.9	1013.4	0.01	
28/05/2020 16:00	178	0.9	1.8	21.6	45.2	1013.8	0.01	
28/05/2020 16:30	151	0.9	1.9	19.1	58.7	1014.3	0.01	
28/05/2020 17:00	166	0.3	1	18.1	62.3	1014.7	0.03	
28/05/2020 17:30	151	0.4	0.9	17.6	65.8	1015	0.03	
28/05/2020 18:00	177	0.5	0.8	17.2	69.1	1015.4	0.03	
28/05/2020 18:30	150	0.6	1.1	17.5	68	1015.7	0.03	
28/05/2020 19:00	162	0.5	0.9	16.6	70.8	1016.1	0.03	
28/05/2020 19:30	171	1	1.4	16	73.1	1016.3	0.03	
28/05/2020 20:00	179	0.7	1.2	15.6	74.2	1016.8	0.03	
28/05/2020 20:30	140	0.2	0.4	14.8	76.9	1017.1	0.03	
28/05/2020 21:00	249	0	0.1	13.4	80.8	1017.5	0.03	
28/05/2020 21:30	229	0	0.1	12.3	84.4	1017.7	0.03	
28/05/2020 22:00	198	0	0.1	11.4	86.6	1018	0.03	
28/05/2020 22:30	128	0	0.1	11.3	87.9	1018	0.03	
28/05/2020 23:00	17	0	0.2	11	88.6	1018.1	0.03	
28/05/2020 23:30	210	0	0.2	10.9	89.2	1018.1	0.03	
29/05/2020 0:00	126	0	0.3	10.7	88.8	1018.1	0.03	
29/05/2020 0:30	147	0	0.1	10.6	88.1	1017.9	0.03	
29/05/2020 1:00	149	0.4	0.5	10.3	88.7	1017.9	0.03	
29/05/2020 1:30	133	0	0.2	10	89	1018.1	0.03	
29/05/2020 2:00	124	0.1	0.2	9.7	90.3	1018.1	0.03	
29/05/2020 2:30	200	0	0.2	9.5	89.9	1018.3	0.03	
29/05/2020 3:00	292	0	0.2	9.3	90.2	1018.3	0.03	
29/05/2020 3:30	160	0	0.2	9.3	90	1018.3	0.03	
29/05/2020 4:00	154	0	0.2	9.4	90.4	1018.5	0.03	
29/05/2020 4:30	127	0	0.1	9.3	89.9	1018.7	0.03	
29/05/2020 5:00	203	0	0.3	9.9	89.2	1018.7	0.03	
29/05/2020 5:30	212	0	0.1	10	89.4	1019.1	0.03	
29/05/2020 6:00	175	0	0.3	11	88.5	1019.5	0.03	
29/05/2020 6:30	196	0	0.2	11	85.7	1019.9	0.03	



29/05/2020 7:00	357	0	0.2	10.8	87.1	1020.2	0.03	
29/05/2020 7:30	312	0	0.2	11	86.4	1020.7	0.03	
29/05/2020 8:00	17	0	0.3	12.7	81.8	1021	0.03	
29/05/2020 8:30	185	0	0.6	15.3	67.3	1021.6	0.03	
29/05/2020 9:00	248	0.1	0.4	15.6	67.2	1021.8	0.03	0.03
29/05/2020 9:30	228	0.1	0.6	15.8	68.7	1021.9	0	
29/05/2020 10:00	231	0.2	1	17.3	61.9	1022.1	0	
29/05/2020 10:30	197	0.2	1.3	17.3	64.8	1022	0	
29/05/2020 11:00	155	0.1	1.7	17	66.9	1022	0	
29/05/2020 11:30	173	0	0.7	17.6	64.1	1021.8	0	
29/05/2020 12:00	132	0.1	1.5	17.7	66.6	1021.5	0	
29/05/2020 12:30	90	0	0.5	16.5	78	1021.5	0	
29/05/2020 13:00	88	0.1	0.7	16.3	81.5	1021.1	0	
29/05/2020 13:30	137	0.2	1.6	17.6	75.2	1020.8	0	
29/05/2020 14:00	96	0.2	1	18.5	67.9	1020.7	0	
29/05/2020 14:30	138	0.1	0.8	18.1	68.9	1020.6	0	
29/05/2020 15:00	72	0.1	1.2	17.5	74.3	1020.6	0	
29/05/2020 15:30	88	0	0.3	17.2	73.7	1020.7	0	
29/05/2020 16:00	198	0	0.4	17.2	70	1021	0	
29/05/2020 16:30	163	0.7	2.1	17.1	78.8	1021.3	0	
29/05/2020 17:00	149	0.7	1.9	15.8	77.3	1021.3	0	
29/05/2020 17:30	152	0.4	0.7	15.7	78	1021.4	0	
29/05/2020 18:00	219	0.3	0.5	15.7	78.5	1021.5	0	
29/05/2020 18:30	326	0.1	0.2	15.3	80.5	1021.6	0	
29/05/2020 19:00	298	0	0.1	14.1	84.1	1021.8	0	
29/05/2020 19:30	303	0.2	0.3	13.1	86.6	1022.1	0	
29/05/2020 20:00	209	0	0.2	13.3	88.5	1022.4	0	
29/05/2020 20:30	44	0.1	0.3	13	88.9	1022.4	0	
29/05/2020 21:00	175	0.1	0.2	12.9	89.2	1022.5	0	
29/05/2020 21:30	174	0	0.1	13.1	89.7	1022.7	0	
29/05/2020 22:00	129	0	0.2	13.1	89.5	1022.6	0	
29/05/2020 22:30	170	0	0.2	12.5	89.3	1022.4	0	
29/05/2020 23:00	212	0	0.1	12	89.8	1022.3	0	
29/05/2020 23:30	195	0.4	0.5	11.5	90.4	1022	0	
30/05/2020 0:00	304	0	0.1	11.5	90.6	1021.9	0	
30/05/2020 0:30	196	0.1	0.2	11.6	90.9	1021.6	0	
30/05/2020 1:00	227	0	0.2	11.8	91	1021.5	0	
30/05/2020 1:30	211	0	0.1	11.3	91.3	1021.4	0	
30/05/2020 2:00	175	0.1	0.3	11.1	91.3	1021.4	0	
30/05/2020 2:30	216	0	0.2	11.3	91.6	1021.4	0	
30/05/2020 3:00	131	0	0.2	10.9	91.3	1021.2	0	
30/05/2020 3:30	144	0.2	0.4	11	92.2	1021.1	0	
30/05/2020 4:00	144	0	0.1	10.3	91.6	1021.2	0	
30/05/2020 4:30	46	0	0.2	10.2	92.6	1021.3	0	
30/05/2020 5:00	143	0	0.2	9.5	91.9	1021.5	0	
30/05/2020 5:30	186	0.2	0.5	9.3	92.2	1021.7	0	
30/05/2020 6:00	22	0	0.1	9.4	92.7	1022	0	
30/05/2020 6:30	204	0.1	0.3	9.4	92	1022.2	0	
30/05/2020 7:00	275	0	0.2	9.1	92.4	1022.4	0	
30/05/2020 7:30	211	0	0.2	9.7	92.6	1022.4	0	
30/05/2020 8:00	45	0.1	0.7	10.5	92.4	1022.5	0	
30/05/2020 8:30	327	0	0.4	10.7	90.8	1022.4	0	
30/05/2020 9:00	28	0.4	1	10.7	90.2	1022.4	0	0
30/05/2020 9:30	35	0.1	0.7	11	90.4	1022.5	0	
30/05/2020 10:00	7	0.1	0.8	12.3	88.7	1022.4	0	
30/05/2020 10:30	27	0.1	0.9	13.5	84.4	1021.9	0	
30/05/2020 11:00	19	0	0.5	15.3	76.4	1021.5	0	
30/05/2020 11:30	30	0.1	1.4	16.4	71.8	1021.1	0	
30/05/2020 12:00	13	0.1	1	17.9	64.9	1020.6	0	
30/05/2020 12:30	36	0.3	1.6	18.3	62.1	1020	0	
30/05/2020 13:00	49	0.4	1.7	18.9	60.1	1019.2	0	
30/05/2020 13:30	42	0.2	1.8	19	57.4	1018.7	0	
30/05/2020 14:00	21	0	1.3	19.9	51.9	1018.4	0	
30/05/2020 14:30	11	0.2	1.2	19.9	52.9	1018.2	0	
30/05/2020 15:00	33	0.3	1.7	19.7	55.7	1017.6	0	
30/05/2020 15:30	19	0.5	1.9	19.2	56.4	1017.2	0	
30/05/2020 16:00	81	0.4	1.6	19.5	59.8	1017.1	0	
30/05/2020 16:30	33	0.1	1.1	18.7	63.6	1016.8	0	
30/05/2020 17:00	104	0	0.4	17.4	67.7	1017	0	
30/05/2020 17:30	285	0	0.2	16.2	73.2	1017	0	
30/05/2020 18:00	208	0	0.3	15.1	77.7	1017.2	0	
30/05/2020 18:30	198	0	0.2	14.2	80.7	1017.4	0	
30/05/2020 19:00	217	0	0.3	13.7	83.4	1017.5	0	
30/05/2020 19:30	323	0	0.3	13.4	85.3	1017.7	0	
30/05/2020 20:00	194	0.2	0.4	13.5	83.1	1017.5	0	
30/05/2020 20:30	3	0	0.4	14.1	81.1	1017.2	0	
30/05/2020 21:00	1	0	0.8	14.5	80.7	1017	0	
30/05/2020 21:30	1	0.3	1.1	14.5	81.2	1016.7	0	
30/05/2020 22:00	3	0.2	1	14.6	81	1016.5	0	
30/05/2020 22:30	221	0.2	0.4	13.6	83.9	1016.4	0	
30/05/2020 23:00	181	0	0.3	12.6	85.9	1016	0	
30/05/2020 23:30	84	0	0.2	12.4	87.9	1015.9	0	
31/05/2020 0:00	354	0.1	0.8	13	88.9	1015.2	0	
31/05/2020 0:30	242	0	0.2	12.7	89.2	1014.9	0	
31/05/2020 1:00	208	0	0.2	12.6	89.4	1015	0	
31/05/2020 1:30	257	0	0.2	12.4	88.9	1014.9	0	
31/05/2020 2:00	199	0.2	0.4	11.9	89.8	1014.8	0	
31/05/2020 2:30	172	0.1	0.3	11.1	89.9	1014.4	0	
31/05/2020 3:00	336	0	0.2	10.7	90.5	1014.1	0	
31/05/2020 3:30	110	0	0.2	10.9	90.7	1013.9	0	
31/05/2020 4:00	330	0	0.3	10.5	90.7	1014.1	0	
31/05/2020 4:30	31	0	0.4	11.2	92	1014.1	0	
31/05/2020 5:00	302	0	0.6	11.6	91.7	1013.9	0	
31/05/2020 5:30	0	0.2	1	11.7	91.6	1013.9	0	
31/05/2020 6:00	323	0.1	0.6	11.7	91.6	1014	0	

31/05/2020 6:30	345	0	0.3	11.7	91.5	1013.6	0	
31/05/2020 7:00	332	0	0.5	12.1	91.5	1013.8	0	
31/05/2020 7:30	350	0.1	0.3	12.7	90.8	1013.8	0	
31/05/2020 8:00	29	0.1	0.9	13.5	87.1	1013.8	0	
31/05/2020 8:30	14	0.1	1.6	14.4	81.2	1013.6	0	
31/05/2020 9:00	15	0.2	1.4	14.6	79.9	1013.7	0	0
31/05/2020 9:30	353	0.2	1.5	15.1	77.1	1013.7	0	
31/05/2020 10:00	350	0.1	1	15.5	73.8	1013.5	0	
31/05/2020 10:30	18	0.1	1.2	15.5	73.2	1013.4	0	
31/05/2020 11:00	272	0.1	0.6	15.5	76.3	1013	0	
31/05/2020 11:30	337	0.1	0.9	15.7	73.3	1012.4	0	
31/05/2020 12:00	348	0.2	0.9	16.2	71.8	1011.8	0	
31/05/2020 12:30	16	0.3	1.5	18.1	62.5	1011.6	0	
31/05/2020 13:00	21	0.2	1.4	18.8	58.1	1011	0	
31/05/2020 13:30	31	0.1	1.1	19.7	51.4	1010.4	0	
31/05/2020 14:00	15	0	1.6	20.6	48	1010.2	0	
31/05/2020 14:30	353	0.2	1	20	51.2	1010	0	
31/05/2020 15:00	5	0	0.8	19.7	53	1009.8	0	
31/05/2020 15:30	357	0.1	1	20.4	50	1009.6	0	
31/05/2020 16:00	330	0	0.4	20.6	51.6	1009.6	0	
31/05/2020 16:30	220	0	0.3	19.7	59.8	1009.6	0	
31/05/2020 17:00	226	0	0.1	17.7	66.3	1009.6	0	
31/05/2020 17:30	214	0.1	0.3	15.3	76	1009.7	0	
31/05/2020 18:00	163	0.3	0.4	14.4	81.4	1009.8	0	
31/05/2020 18:30	152	0.2	0.4	14	82.8	1010	0	
31/05/2020 19:00	159	0.1	0.3	13.8	81.3	1009.9	0	
31/05/2020 19:30	213	0	0.3	13.8	81.1	1009.9	0	
31/05/2020 20:00	216	0.1	0.3	14.1	79.1	1009.9	0	
31/05/2020 20:30	57	0	0.1	13.2	81.4	1009.6	0	
31/05/2020 21:00	223	0	0.3	12.7	84	1009.3	0	
31/05/2020 21:30	123	0	0.2	12.1	86.5	1009.2	0	
31/05/2020 22:00	157	0	0.2	11.8	88.1	1009	0	
31/05/2020 22:30	279	0	0.1	11.8	89.6	1008.9	0	
31/05/2020 23:00	247	0	0.3	12.6	89.5	1008.6	0	
31/05/2020 23:30	138	0	0.4	12.7	88.2	1008.5	0	
1/06/2020 0:00	311	0	0.2	12.8	86.8	1008	0	
1/06/2020 0:30	231	0.1	0.4	13.3	84.3	1007.6	0	
1/06/2020 1:00	251	0	0.2	13.5	80.2	1007.3	0	
1/06/2020 1:30	233	0	0.1	13.3	81.2	1006.7	0	
1/06/2020 2:00	344	0.3	0.4	12.5	81.8	1006.3	0	
1/06/2020 2:30	0	0	0.1	12.3	84.1	1006	0	
1/06/2020 3:00	347	0.1	0.6	12.9	79.3	1005.8	0	
1/06/2020 3:30	5	0.2	1	12.8	77.3	1005.3	0.01	
1/06/2020 4:00	326	0.2	0.5	12.9	79.5	1004.9	0.01	
1/06/2020 4:30	8	0.1	0.9	12.9	79.7	1004.7	0.01	
1/06/2020 5:00	44	0	1	13.1	79.4	1004.6	0.01	
1/06/2020 5:30	80	0.1	0.6	13.3	78.2	1004.4	0.01	
1/06/2020 6:00	6	0.1	0.7	14	74	1004.5	0.01	
1/06/2020 6:30	31	0.1	1.2	14.2	72.1	1004.3	0.01	
1/06/2020 7:00	357	0	0.8	14.4	70.2	1004.2	0.01	
1/06/2020 7:30	9	0.2	2	14.9	66.7	1004.4	0.01	
1/06/2020 8:00	346	0.4	1.3	15.5	63.1	1004.1	0.01	
1/06/2020 8:30	27	0.3	2.8	17.2	56.4	1004.1	0.01	
1/06/2020 9:00	0	0.2	2.1	18.3	52.2	1003.7	0.02	0.02
1/06/2020 9:30	343	0	1.5	18.8	50.7	1003.6	0	
1/06/2020 10:00	352	0.2	2.8	19.5	48.7	1003.4	0	
1/06/2020 10:30	328	0.1	0.8	19.6	47.1	1002.9	0	
1/06/2020 11:00	2	0.1	1.8	20.6	44.7	1002.4	0	
1/06/2020 11:30	27	0.2	2.8	21	39.3	1001.7	0	
1/06/2020 12:00	21	0.3	2.8	21	38.4	1001	0	
1/06/2020 12:30	10	0.3	2.1	21.3	36.8	1000.5	0	
1/06/2020 13:00	352	0.2	2.6	21.5	37.9	999.9	0	
1/06/2020 13:30	342	0.2	1.1	22	37.6	999.5	0	
1/06/2020 14:00	329	0.2	2.5	23.2	32.5	999.6	0	
1/06/2020 14:30	297	0.4	2.5	22.5	30.3	999.9	0	
1/06/2020 15:00	322	0.1	0.9	22.5	29.3	1000.3	0	
1/06/2020 15:30	241	0.1	0.5	22	30.5	1000.6	0	
1/06/2020 16:00	297	0.2	1	19.9	34.5	1001.1	0	
1/06/2020 16:30	257	0.1	0.9	19.1	37.3	1001.7	0	
1/06/2020 17:00	277	0.2	2	16.8	44	1002.7	0	
1/06/2020 17:30	21	0.1	0.9	16.1	47.4	1003.5	0	
1/06/2020 18:00	225	0.1	0.9	15.7	47.7	1004.3	0	
1/06/2020 18:30	288	0.1	0.5	15.3	48.4	1004.7	0	
1/06/2020 19:00	269	0.1	0.5	14.9	46.5	1005.7	0	
1/06/2020 19:30	294	0	0.3	14.1	44.8	1006	0	
1/06/2020 20:00	253	0.1	0.5	13.1	45.7	1006.1	0	
1/06/2020 20:30	45	0	0.3	12.3	48	1006.2	0	
1/06/2020 21:00	217	0	0.5	11.8	49.8	1006.5	0	
1/06/2020 21:30	264	0.1	0.5	11.6	49.6	1006.8	0	
1/06/2020 22:00	340	0	0.6	11.6	48.2	1006.8	0	
1/06/2020 22:30	260	0	0.4	11	51.7	1007.1	0	
1/06/2020 23:00	126	0	0.4	10	54.8	1007.1	0	
1/06/2020 23:30	180	0.1	0.3	9.7	58.1	1007.2	0	
2/06/2020 0:00	241	0	0.1	8.5	61.4	1007	0	
2/06/2020 0:30	246	0.1	0.4	7.9	65.3	1006.7	0	
2/06/2020 1:00	225	0	0.5	8.7	59.8	1006.6	0	
2/06/2020 1:30	322	0	0.2	8.4	61.6	1006.8	0	
2/06/2020 2:00	243	0.1	0.3	8	64.1	1006.5	0	
2/06/2020 2:30	224	0	0.3	8	64	1006.2	0	
2/06/2020 3:00	332	0	0.3	7.2	67.7	1006.2	0	
2/06/2020 3:30	51	0	0.2	6.9	70.9	1006.2	0	
2/06/2020 4:00	237	0	0.3	5.9	75.5	1006.1	0.01	
2/06/2020 4:30	183	0	0.2	5.4	77.8	1006.3	0.01	
2/06/2020 5:00	130	0.3	0.6	6	78	1006.6	0.01	
2/06/2020 5:30	340	0	0.1	6.1	77.5	1007.1	0.01	

2/06/2020 6:00	145	0	0.2	6.2	80.8	1007.5	0.01	
2/06/2020 6:30	348	0	0.3	7.1	73.9	1007.8	0.01	
2/06/2020 7:00	254	0	0.3	7.6	73	1008.5	0.01	
2/06/2020 7:30	358	0	0.4	8.3	68.4	1009	0.01	
2/06/2020 8:00	312	0	1.1	9.8	65.9	1009	0	
2/06/2020 8:30	314	0	0.5	9.4	72.1	1009	0	
2/06/2020 9:00	329	0.2	0.8	10.3	66.6	1009.2	0	0
2/06/2020 9:30	240	0.1	0.5	11.4	63.2	1009	0	
2/06/2020 10:00	149	0	0.6	14	50.7	1009.2	0	
2/06/2020 10:30	240	0.2	1.5	14.1	48.8	1009.2	0	
2/06/2020 11:00	329	0.1	0.6	15.2	46.5	1008.9	0	
2/06/2020 11:30	222	0	1	15	47.8	1008.7	0	
2/06/2020 12:00	177	0.1	1.3	16.9	40.7	1008.5	0	
2/06/2020 12:30	293	0.1	0.9	17.4	42	1008.5	0	
2/06/2020 13:00	73	0.1	1	17.2	40	1008.3	0	
2/06/2020 13:30	211	0.1	1.6	17.7	39.1	1008.5	0	
2/06/2020 14:00	107	0.1	0.9	16	43.2	1008.5	0	
2/06/2020 14:30	249	0.1	1	16.9	41.2	1008.9	0	
2/06/2020 15:00	246	0	1.2	16.9	41.7	1009.3	0	
2/06/2020 15:30	295	0	0.8	15.8	43.7	1009.5	0	
2/06/2020 16:00	322	0.1	1	15.4	43.5	1009.6	0	
2/06/2020 16:30	132	0.1	0.8	14.1	49.9	1010.1	0	
2/06/2020 17:00	196	0.1	1.3	13.3	52.1	1010.3	0	
2/06/2020 17:30	178	0.1	0.7	12.5	53.7	1010.9	0	
2/06/2020 18:00	254	0	0.8	11.5	57.2	1011.1	0	
2/06/2020 18:30	55	0	0.5	10.8	58.1	1011.5	0	
2/06/2020 19:00	116	0	0.5	10.7	59.3	1011.9	0	
2/06/2020 19:30	0	0	0.3	10.1	62.9	1012.5	0	
2/06/2020 20:00	263	0	0.3	8.7	69.6	1012.2	0	
2/06/2020 20:30	242	0	0.3	7.8	72.4	1012.3	0	
2/06/2020 21:00	331	0	0.2	7.2	76.2	1012.4	0	
2/06/2020 21:30	199	0	0.3	6.4	78.2	1012.4	0	
2/06/2020 22:00	165	0	0.2	6.4	79	1012.5	0	
2/06/2020 22:30	34	0	0.1	6.7	79.6	1012.5	0	
2/06/2020 23:00	228	0	0.1	6.6	78.8	1012.5	0	
2/06/2020 23:30	240	0	0.3	6.5	81.5	1012.4	0	
3/06/2020 0:00	197	0	0.3	6.4	81.5	1012.4	0	
3/06/2020 0:30	175	0	0.2	6	83.4	1012	0	
3/06/2020 1:00	354	0.2	0.5	6.2	81.9	1011.9	0	
3/06/2020 1:30	317	0.1	0.4	6.4	79.5	1012	0	
3/06/2020 2:00	202	0.1	0.4	6.2	79.6	1012.2	0	
3/06/2020 2:30	358	0	0.4	6.5	77.7	1012.4	0	
3/06/2020 3:00	203	0.1	0.4	6.6	77	1012.4	0	
3/06/2020 3:30	309	0	0.1	6.1	80.6	1012.3	0	
3/06/2020 4:00	303	0	0.2	6.1	80.6	1012.6	0	
3/06/2020 4:30	197	0	0.2	6.1	80.9	1012.8	0	
3/06/2020 5:00	193	0	0.3	6.1	82.1	1013	0	
3/06/2020 5:30	48	0.1	1.1	7.2	80.9	1013	0	
3/06/2020 6:00	332	0.2	0.5	8.1	77.2	1013.4	0	
3/06/2020 6:30	286	0	0.3	7.3	79.5	1013.7	0	
3/06/2020 7:00	4	0	0.4	8.4	76.9	1014.3	0	
3/06/2020 7:30	334	0	0.5	9.3	75.2	1014.6	0	
3/06/2020 8:00	211	0	0.3	11.9	68.7	1015.2	0	
3/06/2020 8:30	33	0	0.4	13.7	61	1016.1	0	
3/06/2020 9:00	123	0	0.5	15.8	52.8	1016.3	0	0
3/06/2020 9:30	212	0.2	1.2	16.7	47.5	1016.8	0	
3/06/2020 10:00	194	0.2	1.1	16.8	46.5	1016.9	0	
3/06/2020 10:30	53	0	0.7	17.7	43.3	1017	0	
3/06/2020 11:00	53	0.1	1.2	18.2	40.7	1017.2	0	
3/06/2020 11:30	294	0.1	1.4	18.4	37.8	1017	0	
3/06/2020 12:00	200	0.1	0.9	19	36.6	1016.7	0	
3/06/2020 12:30	145	0.2	2.2	19.5	34.2	1016.9	0	
3/06/2020 13:00	90	0.1	1.2	19.5	32.4	1016.8	0	
3/06/2020 13:30	173	2	3.9	19.1	32.1	1016.7	0	
3/06/2020 14:00	171	0.5	1.5	18.4	33.8	1017.2	0	
3/06/2020 14:30	182	0.3	2.7	18.8	32.2	1017.3	0	
3/06/2020 15:00	173	1.2	3.5	19.3	30.9	1017.7	0	
3/06/2020 15:30	142	1.7	3	17.5	39.6	1018.1	0.01	
3/06/2020 16:00	152	1.5	3.5	16.9	40.3	1018.6	0.01	
3/06/2020 16:30	155	0.8	2	15.8	43	1019	0.01	
3/06/2020 17:00	164	0.5	1.5	14.8	47.6	1019.4	0.01	
3/06/2020 17:30	153	0.8	1.4	14	51	1019.8	0.01	
3/06/2020 18:00	179	0.1	0.4	13.7	53.9	1020.5	0.01	
3/06/2020 18:30	179	0.3	1.9	13.4	55.2	1021.1	0.01	
3/06/2020 19:00	168	0.3	1.1	13	58.1	1021.5	0.01	
3/06/2020 19:30	149	0	1	12.7	58.9	1022	0.01	
3/06/2020 20:00	158	0.3	0.9	12.2	60.9	1022.5	0.01	
3/06/2020 20:30	162	0.6	1.4	12.4	60.2	1022.8	0.01	
3/06/2020 21:00	115	0	0.2	11.5	65.6	1023.2	0.01	
3/06/2020 21:30	89	0.1	0.4	11.3	68.3	1023.5	0.01	
3/06/2020 22:00	146	0.2	0.5	10.8	69.3	1023.8	0.01	
3/06/2020 22:30	150	0	0.4	10.1	72.2	1023.9	0.01	
3/06/2020 23:00	92	0	0.3	9.2	74.1	1023.9	0.01	
3/06/2020 23:30	139	0	0.4	9.1	76.4	1024	0.01	
4/06/2020 0:00	150	0	0.6	9.2	74.9	1024	0.01	
4/06/2020 0:30	46	0	0.3	9.2	74.2	1024.2	0.01	
4/06/2020 1:00	65	0	0.3	8.3	77.4	1024.3	0.01	
4/06/2020 1:30	92	0.1	0.8	9.4	74.6	1024.3	0.01	
4/06/2020 2:00	100	0.1	0.6	11	64.4	1024.1	0.01	
4/06/2020 2:30	351	0	0.6	11.2	62.9	1024.2	0.01	
4/06/2020 3:00	339	0	0.6	10.6	63.6	1024.3	0.01	
4/06/2020 3:30	149	0	0.5	10.8	60.4	1024.6	0.01	
4/06/2020 4:00	168	0.4	1.2	10.8	58.7	1024.5	0.01	
4/06/2020 4:30	88	0	0.3	10.5	60.7	1024.7	0.01	
4/06/2020 5:00	323	0.1	0.5	9.5	64.4	1024.7	0.01	



4/06/2020 5:30	300	0	0.4	9.1	66.7	1025.2	0.01	
4/06/2020 6:00	164	0	0.7	9.3	63.9	1025.5	0.01	
4/06/2020 6:30	309	0.1	0.6	10	60.8	1025.8	0.01	
4/06/2020 7:00	266	0	0.5	10.5	57.6	1026.1	0.01	
4/06/2020 7:30	157	0	0.4	10.2	60	1026.4	0.01	
4/06/2020 8:00	102	0.1	0.5	11.4	56.5	1026.9	0.01	
4/06/2020 8:30	90	0	0.5	12	53.7	1027.2	0.01	
4/06/2020 9:00	153	0.1	0.9	12.9	49.9	1027.5	0.01	0.01
4/06/2020 9:30	169	0.6	2.4	14.2	45.5	1027.5	0	
4/06/2020 10:00	178	0.2	2	14.2	46.7	1027.6	0	
4/06/2020 10:30	172	0.1	1.3	15.3	47.2	1027.4	0	
4/06/2020 11:00	167	0.8	1.6	15	47.8	1026.9	0	
4/06/2020 11:30	181	1.4	3	16	44.6	1026.8	0	
4/06/2020 12:00	158	0.3	1.9	15.8	46.6	1026.3	0	
4/06/2020 12:30	268	0.1	0.8	16.9	44.2	1026	0	
4/06/2020 13:00	148	0.1	1.4	16.2	46.3	1025.6	0	
4/06/2020 13:30	126	0	1.3	15.9	48.7	1025.3	0	
4/06/2020 14:00	130	0.9	2.2	17	45.8	1025	0	
4/06/2020 14:30	149	0.4	1.1	16.3	46.7	1024.9	0	
4/06/2020 15:00	142	0.6	2.2	17.6	44.9	1025	0	
4/06/2020 15:30	169	0	0.4	16.3	48.8	1024.8	0	
4/06/2020 16:00	145	0	0.9	15.4	52.2	1024.8	0.02	
4/06/2020 16:30	160	0.1	0.6	14.7	55.6	1024.9	0.02	
4/06/2020 17:00	151	0	0.8	14.1	56.1	1024.9	0.02	
4/06/2020 17:30	119	0.2	0.8	13.5	58.1	1025	0.02	
4/06/2020 18:00	203	0	0.2	12.8	62.2	1025.4	0.02	
4/06/2020 18:30	194	0	0.2	11.3	69.3	1025.5	0.02	
4/06/2020 19:00	191	0	0.2	10.4	73	1025.7	0.02	
4/06/2020 19:30	304	0	0.2	9.8	74.8	1025.8	0.02	
4/06/2020 20:00	152	0	0.2	9.2	78.3	1025.8	0.02	
4/06/2020 20:30	176	0	0.2	8.5	80.7	1025.9	0.02	
4/06/2020 21:00	150	0	0.2	8.3	82.8	1025.9	0.02	
4/06/2020 21:30	194	0	0.2	7.9	83.9	1025.9	0.02	
4/06/2020 22:00	258	0	0.1	7.5	84.9	1025.6	0.02	
4/06/2020 22:30	194	0.2	0.3	7	85.6	1025.6	0.02	
4/06/2020 23:00	164	0	0.2	7	86.8	1025.6	0.02	
4/06/2020 23:30	1	0	0.1	7	86.8	1025.5	0.02	
5/06/2020 0:00	199	0	0.2	6.6	87.6	1025.3	0.02	
5/06/2020 0:30	331	0	0.1	6.3	88.1	1025.1	0.02	
5/06/2020 1:00	25	0	0.1	6.3	89.6	1025	0.02	
5/06/2020 1:30	173	0	0.1	5.9	89.2	1024.9	0.02	
5/06/2020 2:00	265	0	0.3	6	89.7	1024.6	0.02	
5/06/2020 2:30	214	0	0.3	6.1	90	1024.5	0.02	
5/06/2020 3:00	212	0	0.2	5.8	90.2	1024.2	0.02	
5/06/2020 3:30	186	0	0.1	5.4	90.2	1024	0.02	
5/06/2020 4:00	216	0	0.1	5	90.7	1024	0.02	
5/06/2020 4:30	186	0	0.3	5	90.9	1023.9	0.02	
5/06/2020 5:00	25	0	0.1	5.3	91.3	1023.9	0.02	
5/06/2020 5:30	211	0	0.1	5.1	90.2	1024	0.02	
5/06/2020 6:00	209	0	0.3	4.8	90.6	1024.1	0.02	
5/06/2020 6:30	206	0	0.3	4.8	90.4	1024.2	0.02	
5/06/2020 7:00	211	0	0.3	4.8	90.5	1024.2	0.02	
5/06/2020 7:30	137	0	0.2	5.2	90.4	1024.4	0	
5/06/2020 8:00	11	0	0.2	6.7	87.7	1024.6	0	
5/06/2020 8:30	223	0	0.4	8.3	81.2	1024.9	0	
5/06/2020 9:00	297	0	0.5	9.1	77.6	1024.9	0	0
5/06/2020 9:30	356	0.2	1.4	10.4	73.3	1025.1	0	
5/06/2020 10:00	190	0	0.4	11.6	66.2	1025.1	0	
5/06/2020 10:30	0	0.4	1	12	68.1	1024.6	0	
5/06/2020 11:00	24	0.2	1	13.3	63.8	1024.1	0	
5/06/2020 11:30	31	0.1	1	14.3	59.7	1023.5	0	
5/06/2020 12:00	90	0	0.6	14.4	57.4	1022.8	0	
5/06/2020 12:30	36	0.1	1	15.8	54.2	1022	0	
5/06/2020 13:00	357	0.4	1.5	17.1	50.3	1021.6	0	
5/06/2020 13:30	108	0	0.3	17.7	48.8	1020.9	0	
5/06/2020 14:00	5	0.3	0.9	17.8	45.5	1020.5	0	
5/06/2020 14:30	285	0	0.2	18.5	43.5	1020.2	0	
5/06/2020 15:00	349	0.3	1.2	18.3	44.8	1019.8	0	
5/06/2020 15:30	318	0.1	0.4	18.6	43.1	1019.6	0	
5/06/2020 16:00	217	0	0.2	19.1	46.7	1019.4	0	
5/06/2020 16:30	196	0	0.2	16.7	54.9	1019.4	0	
5/06/2020 17:00	185	0	0.2	13.7	66.5	1019.3	0	
5/06/2020 17:30	172	0	0.2	11.9	72.3	1019.5	0	
5/06/2020 18:00	217	0	0.1	10.5	77.3	1019.6	0	
5/06/2020 18:30	297	0	0.2	9.6	78.9	1019.9	0	
5/06/2020 19:00	192	0	0.1	9.3	81.1	1020.1	0	
5/06/2020 19:30	131	0.2	0.3	9	83.4	1020.2	0	
5/06/2020 20:00	157	0	0.1	8.5	82.4	1020.3	0	
5/06/2020 20:30	230	0	0.1	8	83.1	1020.5	0	
5/06/2020 21:00	228	0.1	0.2	7.6	84.6	1020.6	0	
5/06/2020 21:30	193	0	0.1	7.3	85.7	1020.7	0	
5/06/2020 22:00	111	0.3	0.6	7.1	86.8	1020.7	0	
5/06/2020 22:30	188	0.1	0.2	7	87	1020.6	0	
5/06/2020 23:00	200	0	0.2	6.5	87.7	1020.6	0	
5/06/2020 23:30	178	0	0.2	6.1	88.1	1020.4	0	
6/06/2020 0:00	236	0	0.1	5.6	88.9	1020.3	0	
6/06/2020 0:30	173	0	0.2	5.4	88.9	1020.1	0	
6/06/2020 1:00	224	0	0.1	4.9	88.7	1019.8	0	
6/06/2020 1:30	138	0	0.1	4.7	89.5	1019.8	0	
6/06/2020 2:00	273	0	0.1	4.9	89.4	1019.8	0	
6/06/2020 2:30	22	0	0.2	4.8	89.7	1019.8	0	
6/06/2020 3:00	244	0	0.2	4.7	89.4	1019.7	0	
6/06/2020 3:30	181	0.1	0.3	4.7	89.9	1019.7	0	
6/06/2020 4:00	164	0.1	0.2	4.7	90	1019.5	0	
6/06/2020 4:30	289	0	0.1	4.8	91	1019.4	0	

6/06/2020 5:00	286	0	0.2	4.8	90.6	1019.4	0	
6/06/2020 5:30	264	0.1	0.3	4.5	90.4	1019.7	0	
6/06/2020 6:00	337	0	0.2	5.1	90.8	1019.9	0	
6/06/2020 6:30	180	0	0.2	4.7	90.4	1020.1	0	
6/06/2020 7:00	201	0	0.2	5.1	90.7	1020.3	0	
6/06/2020 7:30	325	0.1	0.4	5.5	90.8	1020.4	0	
6/06/2020 8:00	347	0	0.5	6.9	86.4	1020.6	0	
6/06/2020 8:30	121	0	0.4	9.2	74.9	1020.6	0	
6/06/2020 9:00	341	0	0.5	11.3	65.1	1020.6	0	0
6/06/2020 9:30	343	0.1	0.5	12.5	60	1020.7	0	
6/06/2020 10:00	334	0.1	0.7	13.8	56.8	1020.5	0	
6/06/2020 10:30	293	0.1	0.7	14.5	55.7	1020.1	0	
6/06/2020 11:00	238	0.1	0.6	16.7	51.8	1019.7	0	
6/06/2020 11:30	170	0	0.4	16.8	53.2	1019.3	0	
6/06/2020 12:00	9	0.3	1.7	17.4	54.1	1018.6	0	
6/06/2020 12:30	39	0.3	1.4	17.2	54.6	1018	0	
6/06/2020 13:00	276	0	0.5	17.6	51.5	1017.5	0	
6/06/2020 13:30	249	0.1	0.6	17.9	50.3	1017.2	0	
6/06/2020 14:00	30	0.2	2	17.9	50.9	1016.8	0	
6/06/2020 14:30	64	0.6	1.9	17.9	51	1016.5	0	
6/06/2020 15:00	26	0.1	1.2	17.8	50.2	1016.4	0.06	
6/06/2020 15:30	27	0.2	2	17.8	50.2	1016.4	0.06	
6/06/2020 16:00	12	0.1	1.2	17.3	52	1016.2	0.06	
6/06/2020 16:30	357	0.1	0.7	16.5	56.7	1016.2	0.06	
6/06/2020 17:00	227	0	0.2	14.3	66.8	1016.2	0.06	
6/06/2020 17:30	201	0	0.1	12.3	76.2	1016.3	0.06	
6/06/2020 18:00	195	0	0.1	11.2	80.4	1016.2	0.06	
6/06/2020 18:30	142	0	0.1	10.3	81.9	1016.6	0.06	
6/06/2020 19:00	221	0	0.1	9.7	83.1	1016.9	0.06	
6/06/2020 19:30	113	0	0.1	9.3	84.4	1017	0.06	
6/06/2020 20:00	318	0	0.1	8.9	85.4	1017	0.06	
6/06/2020 20:30	222	0.2	0.3	8.6	86.3	1017.1	0.06	
6/06/2020 21:00	191	0.1	0.2	8.3	87.3	1017.1	0.06	
6/06/2020 21:30	166	0	0.1	8.3	88.9	1017	0.06	
6/06/2020 22:00	180	0	0.2	8.2	89.4	1017	0.06	
6/06/2020 22:30	200	0	0.2	8.4	90.2	1017.2	0.06	
6/06/2020 23:00	220	0	0.2	7.9	90	1017.1	0.06	
6/06/2020 23:30	207	0.1	0.2	7.6	90.3	1017.1	0.06	
7/06/2020 0:00	207	0	0.2	7.4	90.7	1016.8	0.06	
7/06/2020 0:30	161	0	0.3	7.1	90.7	1016.8	0.06	
7/06/2020 1:00	281	0	0.1	7.1	91.2	1016.7	0.06	
7/06/2020 1:30	89	0	0.1	6.8	91	1016.7	0.06	
7/06/2020 2:00	209	0	0.3	7	91.6	1016.7	0.06	
7/06/2020 2:30	222	0	0.1	7	91.2	1016.6	0.06	
7/06/2020 3:00	195	0	0.1	6.8	91.5	1016.2	0.06	
7/06/2020 3:30	157	0	0.1	6.2	91.4	1016.2	0.06	
7/06/2020 4:00	211	0	0.2	6.4	92	1016.2	0.06	
7/06/2020 4:30	339	0.1	0.4	6.5	92.2	1016.2	0.06	
7/06/2020 5:00	199	0	0.2	7.1	92.1	1016.4	0.06	
7/06/2020 5:30	315	0	0.2	6.5	91.6	1016.5	0.06	
7/06/2020 6:00	186	0	0.2	6.3	91.6	1016.6	0.06	
7/06/2020 6:30	227	0	0.1	6	91.8	1016.8	0.06	
7/06/2020 7:00	194	0	0.1	6.1	92	1017	0.06	
7/06/2020 7:30	232	0	0.1	6.5	92.3	1017.3	0.06	
7/06/2020 8:00	291	0	0.1	7	91.9	1017.6	0.06	
7/06/2020 8:30	324	0	0.2	7.6	91.9	1017.6	0.06	
7/06/2020 9:00	327	0	0.2	8.9	89.5	1017.8	0.06	0.06
7/06/2020 9:30	331	0	0.3	9.6	83.5	1018	0	
7/06/2020 10:00	340	0	0.1	11.1	73.6	1018.2	0	
7/06/2020 10:30	320	0	0.3	12.5	69.7	1017.9	0	
7/06/2020 11:00	16	0	0.4	14.7	61	1017.8	0	
7/06/2020 11:30	176	0	0.7	15.8	58.5	1017.6	0	
7/06/2020 12:00	134	0.1	0.6	16.3	58.1	1017	0	
7/06/2020 12:30	102	0.1	1.3	17.6	55.9	1016.6	0	
7/06/2020 13:00	134	0.3	1.4	18.2	51.1	1016.3	0	
7/06/2020 13:30	133	0.1	0.6	18.1	52.7	1016	0	
7/06/2020 14:00	59	0.4	1.7	18.4	53.2	1015.8	0	
7/06/2020 14:30	136	0.9	2.3	16	66.2	1015.7	0	
7/06/2020 15:00	127	0.2	1.7	15.5	68.7	1015.9	0	
7/06/2020 15:30	140	0.4	1.9	14.5	72.2	1016.1	0.01	
7/06/2020 16:00	150	0.6	1.1	14.9	70.9	1016.2	0.01	
7/06/2020 16:30	156	0.5	1.5	14.7	72.7	1016.5	0.01	
7/06/2020 17:00	141	0.5	1.2	14.3	76.5	1016.8	0.01	
7/06/2020 17:30	141	0.1	0.5	13.8	80.2	1017.3	0.03	
7/06/2020 18:00	169	0	1.2	13.4	81.5	1018	0	
7/06/2020 18:30	132	0	0.8	13.1	82.7	1018.4	0	
7/06/2020 19:00	161	0	0.5	12.9	82.9	1018.6	0	
7/06/2020 19:30	156	0	0.5	12.6	84.8	1018.9	0	
7/06/2020 20:00	-	-	-	-	-	-	-	
7/06/2020 20:30	-	-	-	-	-	-	-	
7/06/2020 21:00	-	-	-	-	-	-	-	
7/06/2020 21:30	-	-	-	-	-	-	-	
7/06/2020 22:00	-	-	-	-	-	-	-	
7/06/2020 22:30	-	-	-	-	-	-	-	
7/06/2020 23:00	-	-	-	-	-	-	-	
7/06/2020 23:30	-	-	-	-	-	-	-	
8/06/2020 0:00	-	-	-	-	-	-	-	
8/06/2020 0:30	-	-	-	-	-	-	-	
8/06/2020 1:00	-	-	-	-	-	-	-	
8/06/2020 1:30	-	-	-	-	-	-	-	
8/06/2020 2:00	-	-	-	-	-	-	-	
8/06/2020 2:30	-	-	-	-	-	-	-	
8/06/2020 3:00	-	-	-	-	-	-	-	
8/06/2020 3:30	-	-	-	-	-	-	-	
8/06/2020 4:00	-	-	-	-	-	-	-	



8/06/2020 4:30	-	-	-	-	-	-	-	-
8/06/2020 5:00	-	-	-	-	-	-	-	-
8/06/2020 5:30	-	-	-	-	-	-	-	-
8/06/2020 6:00	-	-	-	-	-	-	-	-
8/06/2020 6:30	-	-	-	-	-	-	-	-
8/06/2020 7:00	-	-	-	-	-	-	-	-
8/06/2020 7:30	-	-	-	-	-	-	-	-
8/06/2020 8:00	-	-	-	-	-	-	-	-
8/06/2020 8:30	-	-	-	-	-	-	-	-
8/06/2020 9:00	-	-	-	-	-	-	-	-
8/06/2020 9:30	-	-	-	-	-	-	-	-
8/06/2020 10:00	-	-	-	-	-	-	-	-
8/06/2020 10:30	-	-	-	-	-	-	-	-
8/06/2020 11:00	-	-	-	-	-	-	-	-
8/06/2020 11:30	-	-	-	-	-	-	-	-
8/06/2020 12:00	-	-	-	-	-	-	-	-
8/06/2020 12:30	142	0.1	0.6	17.2	49.5	1022.3	0	
8/06/2020 13:00	139	0.1	0.6	17.5	49.6	1021.8	0.02	
8/06/2020 13:30	140	0.1	1.1	18.5	47.1	1021.9	0.02	
8/06/2020 14:00	151	0.1	2	18.3	49.1	1022	0.02	
8/06/2020 14:30	211	0.1	2.4	18.7	45.9	1021.8	0.02	
8/06/2020 15:00	177	2	3.7	18.5	43.9	1021.9	0.02	
8/06/2020 15:30	168	0.1	1.4	18.2	46.7	1022.1	0.02	
8/06/2020 16:00	140	1.1	2.9	17.6	51.8	1022.5	0.02	
8/06/2020 16:30	141	0.7	1.3	16	58.3	1022.7	0.02	
8/06/2020 17:00	180	0.5	2	16	57.5	1023.2	0.02	
8/06/2020 17:30	137	0.3	1.8	15.9	60	1023.4	0.02	
8/06/2020 18:00	181	0.9	2.1	15.5	61.3	1023.7	0.02	
8/06/2020 18:30	168	0.2	1.6	15.3	62.5	1024	0.02	
8/06/2020 19:00	181	0.3	1.3	15	64.9	1024.2	0.02	
8/06/2020 19:30	160	0.2	1.5	14.8	64.8	1024.6	0.02	
8/06/2020 20:00	171	0.6	2.2	14.6	67.2	1024.8	0.02	
8/06/2020 20:30	190	0.2	2	14.4	72.5	1025.2	0.02	
8/06/2020 21:00	168	0.8	1.9	14	74.4	1025.4	0.02	
8/06/2020 21:30	134	0.1	0.8	13	83.7	1025.4	0.02	
8/06/2020 22:00	354	0	0.4	12.8	85.8	1025.3	0.02	
8/06/2020 22:30	228	0	0.4	12.5	85.5	1025.5	0.02	
8/06/2020 23:00	85	0	0.4	12.9	82.1	1025.5	0.02	
8/06/2020 23:30	180	0.1	0.7	12.8	84.3	1025.5	0.02	
9/06/2020 0:00	74	0	0.3	12.6	86.9	1025.6	0.02	
9/06/2020 0:30	130	0	0.2	12.5	87.4	1025.6	0.02	
9/06/2020 1:00	347	0.1	0.5	12.4	87.2	1025.5	0.02	
9/06/2020 1:30	216	0	0.5	12.3	87.6	1025.6	0.07	
9/06/2020 2:00	344	0.3	0.5	12.1	88.5	1025.7	0.07	
9/06/2020 2:30	230	0	0.2	11.3	88.6	1025.8	0.07	
9/06/2020 3:00	221	0	0.2	10.2	89.3	1025.6	0.07	
9/06/2020 3:30	150	0	0.4	9.9	89.7	1025.7	0.07	
9/06/2020 4:00	157	0	0.2	9.7	90.7	1025.8	0.07	
9/06/2020 4:30	161	0.1	0.3	9.6	90.6	1025.9	0.07	
9/06/2020 5:00	75	0	0.2	9.5	91.3	1026	0.07	
9/06/2020 5:30	183	0	0.2	9.6	90.9	1026	0.07	
9/06/2020 6:00	307	0	0.2	9.4	91.3	1026.4	0.07	
9/06/2020 6:30	314	0	0.2	9.3	91.6	1026.6	0.07	
9/06/2020 7:00	164	0	0.1	9	91.4	1026.8	0.07	
9/06/2020 7:30	141	0	0.1	9.4	91.6	1026.9	0.07	
9/06/2020 8:00	108	0	0.1	11.1	92.6	1027.1	0.07	
9/06/2020 8:30	178	0	0.7	12.9	88.1	1027.4	0.07	
9/06/2020 9:00	146	0.3	1.3	14.8	78.9	1027.8	0.07	0.07
9/06/2020 9:30	185	0.2	0.9	15.3	74.4	1027.9	0	
9/06/2020 10:00	168	1.4	2.5	16.2	71.5	1028	0	
9/06/2020 10:30	175	0	1.6	16.8	69.9	1027.6	0	
9/06/2020 11:00	153	0.1	1	18	66.4	1027.3	0.01	
9/06/2020 11:30	104	0.1	0.4	18.2	65.5	1027	0.01	
9/06/2020 12:00	119	0.1	0.6	19.8	61.1	1026.6	0.01	
9/06/2020 12:30	135	0	1.3	18.3	63.9	1026.1	0.01	
9/06/2020 13:00	65	0.3	1.3	19.7	58.5	1025.8	0.01	
9/06/2020 13:30	139	0.4	1.2	19.2	58.5	1025.6	0.01	
9/06/2020 14:00	123	0.6	1.4	19.3	59.3	1025.5	0.01	
9/06/2020 14:30	134	0	0.5	19.3	59.1	1025.3	0.01	
9/06/2020 15:00	91	0.3	1.3	18.8	60.5	1025.2	0.01	
9/06/2020 15:30	110	0	0.9	18.4	63.3	1025.2	0.01	
9/06/2020 16:00	113	0.2	1.3	18.2	66	1025.1	0.01	
9/06/2020 16:30	154	0.1	0.6	17.7	68.3	1025.1	0.01	
9/06/2020 17:00	145	0.9	1.7	17.2	72.1	1025.2	0.01	
9/06/2020 17:30	152	0.7	1.1	16.6	74.7	1025.3	0.02	
9/06/2020 18:00	179	0.4	0.7	15.7	78.2	1025.5	0.02	
9/06/2020 18:30	150	0.5	0.9	15.3	81.2	1025.7	0.02	
9/06/2020 19:00	191	0.6	0.8	15.1	82.7	1025.8	0.02	
9/06/2020 19:30	168	0.4	0.6	14.9	83.6	1025.9	0.02	
9/06/2020 20:00	183	0.1	0.2	14.3	84.8	1026	0.02	
9/06/2020 20:30	157	0	0.2	14	86.7	1025.9	0.02	
9/06/2020 21:00	158	0	0.2	14	86.9	1025.9	0.02	
9/06/2020 21:30	123	0	0.2	13.7	87.4	1026	0.02	
9/06/2020 22:00	215	0	0.1	13.7	87.9	1025.9	0.02	
9/06/2020 22:30	181	0	0.3	13.7	88.2	1025.9	0.02	
9/06/2020 23:00	186	0.4	0.5	13.7	87.9	1025.9	0.02	
9/06/2020 23:30	172	0	0.2	13.1	87.6	1025.5	0.02	
10/06/2020 0:00	333	0	0.1	12.8	88.7	1025.5	0.02	
10/06/2020 0:30	203	0	0.1	13	89.2	1025.1	0.02	
10/06/2020 1:00	316	0	0.2	13.5	87.8	1025.2	0.02	
10/06/2020 1:30	196	0.2	0.3	13.8	88.4	1025	0.02	
10/06/2020 2:00	218	0	0.1	13.8	88.1	1024.7	0.02	
10/06/2020 2:30	102	0.3	0.4	13.9	88.3	1024.5	0.02	
10/06/2020 3:00	193	0	0.1	13.7	88.6	1024.3	0.02	
10/06/2020 3:30	242	0	0.1	13.4	88.3	1023.7	0.02	

10/06/2020 4:00	127	0.1	0.3	12.8	89.5	1023.5	0.02	
10/06/2020 4:30	179	0	0.1	12.8	89.6	1023.3	0.05	
10/06/2020 5:00	176	0	0.2	13	90.4	1023.5	0.05	
10/06/2020 5:30	268	0	0.2	13.3	89.6	1023.6	0.05	
10/06/2020 6:00	126	0	0.4	13.3	89.6	1023.7	0.05	
10/06/2020 6:30	135	0	0.1	13.4	90	1023.7	0.05	
10/06/2020 7:00	180	0	0.2	13.4	90.2	1023.8	0.05	
10/06/2020 7:30	350	0	0.3	13.4	90.4	1024	0.05	
10/06/2020 8:00	5	0	0.4	13.6	90.6	1024.2	0.06	
10/06/2020 8:30	61	0	0.5	13.7	91	1024.2	0.06	
10/06/2020 9:00	305	0	0.4	14.3	90.5	1024.3	0.06	0.06
10/06/2020 9:30	14	0.3	0.7	14	90.6	1024.4	0	
10/06/2020 10:00	220	0	0.3	14.7	90	1024.2	0	
10/06/2020 10:30	104	0	0.3	15.3	89.2	1023.7	0	
10/06/2020 11:00	1	0.2	0.8	16	86.5	1023.3	0	
10/06/2020 11:30	56	0.1	0.8	16.4	79.4	1022.7	0	
10/06/2020 12:00	342	0.1	0.8	16.8	78.9	1022.1	0	
10/06/2020 12:30	330	0	0.2	16.7	81.3	1021.4	0	
10/06/2020 13:00	176	0	0.3	17.2	78.4	1020.9	0	
10/06/2020 13:30	330	0	0.6	16.9	79.1	1020.5	0	
10/06/2020 14:00	141	0.3	1.5	16.4	88.6	1020.1	0.06	
10/06/2020 14:30	92	0	0.4	16	88.4	1020.1	0.06	
10/06/2020 15:00	199	0	0.5	16.1	88.8	1020	0.06	
10/06/2020 15:30	99	0	0.7	16.3	89.2	1019.8	0.06	
10/06/2020 16:00	236	0	0.3	16.3	88.4	1019.7	0.06	
10/06/2020 16:30	81	0.1	0.5	16.2	88.5	1019.6	0.06	
10/06/2020 17:00	132	0	0.2	16.2	88.7	1019.5	0.06	
10/06/2020 17:30	186	0.2	0.5	16	89.2	1019.5	0.06	
10/06/2020 18:00	194	0.1	0.3	15.9	89.5	1019.8	0.06	
10/06/2020 18:30	300	0	0.1	15.9	89.6	1020	0.06	
10/06/2020 19:00	124	0	0.2	15.9	90.3	1019.9	0.14	
10/06/2020 19:30	157	0	0.2	15.9	90.6	1020	0.14	
10/06/2020 20:00	213	0	0.3	15.9	90.6	1020	0.14	
10/06/2020 20:30	37	0.1	0.6	15.9	91	1020	0.32	
10/06/2020 21:00	303	0	0.2	15.7	91.2	1019.8	0.32	
10/06/2020 21:30	330	0	0.4	15.6	91.2	1019.4	0.32	
10/06/2020 22:00	166	0	0.1	15.3	91.4	1019.4	0.32	
10/06/2020 22:30	355	0.3	0.7	15.3	91.7	1019.5	0.32	
10/06/2020 23:00	187	0.2	0.3	15.2	91.7	1019.4	0.32	
10/06/2020 23:30	202	0.3	0.5	15.1	91.6	1019.4	0.32	
11/06/2020 0:00	219	0	0.1	15.1	91.6	1019.1	0.32	
11/06/2020 0:30	72	0	0.2	14.7	91.6	1018.8	0.32	
11/06/2020 1:00	326	0	0.4	14.7	91.7	1018.6	0.32	
11/06/2020 1:30	182	0	0.1	14.9	91.8	1018.6	0.32	
11/06/2020 2:00	303	0	0.2	14.8	91.8	1018.4	0.32	
11/06/2020 2:30	332	0	0.1	14.6	91.7	1017.9	0.32	
11/06/2020 3:00	155	0	0.1	14	91.9	1017.9	0.32	
11/06/2020 3:30	253	0.1	0.3	14.3	92	1017.7	0.32	
11/06/2020 4:00	351	0.1	0.6	14.4	91.9	1017.4	0.32	
11/06/2020 4:30	199	0.2	0.5	14.3	92	1017	0.32	
11/06/2020 5:00	325	0	0.7	14.1	91.9	1017.2	0.32	
11/06/2020 5:30	246	0.1	0.3	13.8	91.8	1017.2	0.32	
11/06/2020 6:00	198	0	0.4	13.4	91.9	1017.5	0.32	
11/06/2020 6:30	213	0	0.2	13.3	92	1017.7	0.32	
11/06/2020 7:00	298	0	0.3	13.1	92.2	1017.9	0.32	
11/06/2020 7:30	127	0	0.2	12.7	91.9	1018.1	0.32	
11/06/2020 8:00	151	0.1	0.5	12.9	92.5	1018	0.32	
11/06/2020 8:30	9	0	0.4	13.1	91	1018.1	0.32	
11/06/2020 9:00	339	0	0.3	14.9	87.3	1018.3	0.32	0.32
11/06/2020 9:30	241	0	0.5	16.1	76.6	1018.4	0	
11/06/2020 10:00	250	0	0.2	18.3	67.2	1018.3	0	
11/06/2020 10:30	272	0	0.4	18.3	65.1	1018.1	0	
11/06/2020 11:00	229	0.1	1	19.7	61.7	1017.9	0	
11/06/2020 11:30	119	0.1	0.7	19.7	56.7	1017.7	0	
11/06/2020 12:00	176	0.1	1.2	20	56.9	1017.3	0	
11/06/2020 12:30	224	0	0.8	21	53.5	1016.9	0	
11/06/2020 13:00	34	0	0.4	21.3	50.9	1016.6	0	
11/06/2020 13:30	144	0.2	1.4	21.9	45.7	1016.2	0	
11/06/2020 14:00	120	0	0.2	20.9	50.8	1015.9	0	
11/06/2020 14:30	147	1.4	3.7	20.9	48.4	1016.1	0	
11/06/2020 15:00	142	0.3	2	19.5	54.4	1016.4	0	
11/06/2020 15:30	122	0.2	2.1	19.8	54.6	1016.4	0	
11/06/2020 16:00	161	0.3	1.2	18.5	60.6	1016.8	0	
11/06/2020 16:30	159	0.1	1.6	17.8	65.8	1017	0	
11/06/2020 17:00	142	0.4	2.4	17	64	1017.2	0	
11/06/2020 17:30	125	0.4	1.8	16.6	65	1017.5	0	
11/06/2020 18:00	164	0.2	1.3	16	69.2	1017.8	0	
11/06/2020 18:30	164	0.5	1	15.5	72.3	1018.2	0	
11/06/2020 19:00	171	0.1	0.8	15.1	74.4	1018.6	0	
11/06/2020 19:30	164	0.5	1.2	14.8	75.1	1018.6	0	
11/06/2020 20:00	177	0	0.7	13.9	77.3	1018.8	0	
11/06/2020 20:30	300	0	0.2	13.3	80.6	1019.1	0	
11/06/2020 21:00	347	0	0.4	12.4	83.8	1019.1	0	
11/06/2020 21:30	23	0	0.3	12	84.3	1019.3	0	
11/06/2020 22:00	17	0	0.2	11.9	82	1019.3	0	
11/06/2020 22:30	21	0	0.3	11.7	82.1	1019.4	0	
11/06/2020 23:00	305	0	0.2	11.6	82.3	1019.4	0	
11/06/2020 23:30	233	0	0.2	11.4	83.2	1019.3	0	
12/06/2020 0:00	347	0	0.2	10.6	85.7	1019.2	0	
12/06/2020 0:30	68	0	0.4	11.1	85.7	1019	0	
12/06/2020 1:00	123	0.1	0.4	11	84.5	1019.1	0	
12/06/2020 1:30	159	0	0.3	10.4	86.3	1019	0	
12/06/2020 2:00	141	0	0.2	10.4	88.1	1019	0	
12/06/2020 2:30	277	0	0.2	10.4	88.2	1018.7	0	
12/06/2020 3:00	103	0	0.2	11	88.4	1018.7	0	

12/06/2020 3:30	178	0	0.2	11	87.6	1018.5	0	
12/06/2020 4:00	145	0	0.3	10.7	87.9	1018.4	0.01	
12/06/2020 4:30	127	0	0.7	11.5	87.1	1018.7	0.01	
12/06/2020 5:00	82	0	0.5	12.8	84.2	1018.8	0.01	
12/06/2020 5:30	27	0	0.6	13	83.9	1019.1	0.01	
12/06/2020 6:00	134	0	0.5	12.9	85	1019.3	0.01	
12/06/2020 6:30	74	0.1	0.6	12.9	85.7	1019.3	0.01	
12/06/2020 7:00	81	0.1	0.5	12.7	86.2	1019.7	0.01	
12/06/2020 7:30	118	0	0.4	13	84.3	1020.1	0.01	
12/06/2020 8:00	169	0	0.1	13.6	83.9	1020.4	0.01	
12/06/2020 8:30	108	0	0.5	13.9	82.2	1020.5	0.01	
12/06/2020 9:00	151	0.4	1.1	14.3	79.6	1020.9	0.01	0.01
12/06/2020 9:30	192	0.3	1.3	14.3	77.8	1021	0	
12/06/2020 10:00	174	0.4	2.1	15.1	75.6	1020.8	0	
12/06/2020 10:30	167	0.4	1.3	15.5	73.1	1020.8	0	
12/06/2020 11:00	159	0	0.3	15.8	73.6	1020.6	0	
12/06/2020 11:30	191	0	0.5	15.7	77.2	1020.2	0	
12/06/2020 12:00	173	0	1.1	15.9	74.6	1019.7	0	
12/06/2020 12:30	190	0	0.4	16.5	72.2	1019.3	0	
12/06/2020 13:00	25	0	0.3	16.6	70.2	1019.1	0	
12/06/2020 13:30	325	0.1	0.4	16.5	73.6	1018.9	0	
12/06/2020 14:00	275	0.1	0.3	15.9	79	1018.6	0	
12/06/2020 14:30	18	0	0.3	15.6	79.6	1018.6	0	
12/06/2020 15:00	341	0	0.6	15.1	84	1018.8	0	
12/06/2020 15:30	346	0	0.2	14.8	87.6	1018.9	0	
12/06/2020 16:00	227	0.1	0.4	14.4	89.5	1018.8	0.22	
12/06/2020 16:30	230	0	0.3	14.4	90.1	1018.6	0.22	
12/06/2020 17:00	117	0	0.3	14.3	89.9	1018.4	0.22	
12/06/2020 17:30	340	0	0.5	14	90	1018.6	0.22	
12/06/2020 18:00	206	0	0.3	13.7	90.3	1018.8	0.22	
12/06/2020 18:30	222	0	0.3	13.4	91.1	1018.9	0.22	
12/06/2020 19:00	298	0	0.4	13.4	91	1019	0.22	
12/06/2020 19:30	220	0	0.1	13.5	91	1019	0.22	
12/06/2020 20:00	159	0	0.3	12.8	90.4	1018.8	0.22	
12/06/2020 20:30	206	0	0.1	11.9	91	1018.7	0.22	
12/06/2020 21:00	214	0	0.1	11.3	91.3	1018.7	0.22	
12/06/2020 21:30	301	0	0.1	11.7	92.4	1018.7	0.22	
12/06/2020 22:00	87	0	0.1	12.2	91.7	1018.6	0.22	
12/06/2020 22:30	121	0	0.1	12.2	91.8	1018.6	0.22	
12/06/2020 23:00	227	0	0.1	11.9	91.6	1018.6	0.22	
12/06/2020 23:30	224	0.1	0.2	11.6	91.9	1018.3	0.22	
13/06/2020 0:00	192	0	0.1	11.6	92.2	1018.2	0.22	
13/06/2020 0:30	132	0.4	0.6	12	92.3	1017.9	0.22	
13/06/2020 1:00	117	0.1	0.2	11.4	91.8	1017.8	0.22	
13/06/2020 1:30	300	0	0.1	11.2	92.1	1017.7	0.22	
13/06/2020 2:00	239	0	0.2	11	92	1017.4	0.22	
13/06/2020 2:30	275	0	0.2	10.5	92.2	1017.4	0.22	
13/06/2020 3:00	223	0	0.1	11.1	92.4	1017.6	0.22	
13/06/2020 3:30	334	0	0.3	11.3	92.2	1017.5	0.22	
13/06/2020 4:00	222	0	0.3	11	92.1	1017.2	0.22	
13/06/2020 4:30	334	0	0.7	10.7	92.2	1017.4	0.22	
13/06/2020 5:00	170	0	0.1	10.8	92.3	1017.3	0.22	
13/06/2020 5:30	105	0	0.2	10.6	92.3	1017.2	0.22	
13/06/2020 6:00	308	0	0.5	10.8	92.5	1017.2	0.22	
13/06/2020 6:30	298	0	0.2	10.6	92.5	1017.2	0.22	
13/06/2020 7:00	226	0	0.1	10.4	92.4	1017.4	0.22	
13/06/2020 7:30	291	0.1	0.4	10.4	92.9	1017.7	0.22	
13/06/2020 8:00	313	0	0.2	11.1	92.5	1017.9	0.22	
13/06/2020 8:30	63	0	0.3	11.7	92.1	1017.9	0.22	
13/06/2020 9:00	12	0.1	0.5	12.4	92.4	1017.9	0.22	0.22
13/06/2020 9:30	325	0	0.4	12.9	91.6	1018.1	0	
13/06/2020 10:00	17	0.1	0.7	14.7	86.3	1017.8	0	
13/06/2020 10:30	9	0.1	0.7	15.5	80.2	1017.1	0	
13/06/2020 11:00	24	0	0.6	16.9	74.3	1016.6	0	
13/06/2020 11:30	2	0.1	1.2	18	68.9	1016	0	
13/06/2020 12:00	329	0	0.8	18.3	70.7	1015.2	0	
13/06/2020 12:30	36	0.1	0.9	18.2	69.4	1014.7	0	
13/06/2020 13:00	232	0	0.4	18.8	67.3	1014.3	0	
13/06/2020 13:30	16	0	0.8	18.7	69.1	1013.6	0	
13/06/2020 14:00	35	0	0.4	19.2	66.5	1013	0	
13/06/2020 14:30	346	0	0.4	19.3	68.1	1013	0	
13/06/2020 15:00	294	0	0.1	19.8	66.4	1012.7	0	
13/06/2020 15:30	254	0	0.1	19.5	68.5	1012.8	0	
13/06/2020 16:00	336	0	0.1	19.1	71.7	1012.7	0	
13/06/2020 16:30	278	0	0.1	17.8	76.6	1012.5	0	
13/06/2020 17:00	289	0	0.1	16.7	81.5	1012.5	0	
13/06/2020 17:30	143	0.3	0.4	15.4	85.7	1012.7	0	
13/06/2020 18:00	81	0.1	0.4	15.2	88.4	1012.7	0	
13/06/2020 18:30	156	0.1	0.5	15.3	89.4	1012.6	0	
13/06/2020 19:00	195	0.1	0.3	15.2	89.8	1012.7	0	
13/06/2020 19:30	184	0	0.1	14.8	89.3	1013	0	
13/06/2020 20:00	322	0	0.2	14.5	89.9	1012.7	0	
13/06/2020 20:30	338	0	0.1	14.1	90.3	1012.6	0	
13/06/2020 21:00	314	0	0.2	13.9	90.8	1012.3	0	
13/06/2020 21:30	173	0	0.1	13.7	90.7	1011.8	0	
13/06/2020 22:00	213	0	0.2	13.7	91.5	1011.3	0	
13/06/2020 22:30	17	0	0.2	13.6	91.6	1010.9	0	
13/06/2020 23:00	205	0	0.1	13.3	91.3	1010.7	0	
13/06/2020 23:30	208	0	0.2	13.6	91.9	1010.6	0	
14/06/2020 0:00	2	0.2	0.8	13.9	92.5	1010	0	
14/06/2020 0:30	6	0.3	0.9	14.4	91.1	1009.4	0	
14/06/2020 1:00	267	0	0.1	14.3	90.5	1008.8	0	
14/06/2020 1:30	62	0.1	0.6	14.3	90.6	1008.7	0	
14/06/2020 2:00	139	0	0.2	14.4	89.8	1008.4	0	
14/06/2020 2:30	339	0	0.3	14.4	90.1	1008.1	0	

14/06/2020 3:00	206	0.7	1.1	14	89.5	1007.5	0	
14/06/2020 3:30	146	0	0.2	13.8	89.8	1007.6	0	
14/06/2020 4:00	240	0	0.2	13.8	90.4	1007.1	0.28	
14/06/2020 4:30	70	0	0.3	14	90.7	1007.4	0.54	
14/06/2020 5:00	60	0	0.4	13.9	90.9	1007.9	1.3	
14/06/2020 5:30	178	0	0.4	14.1	91.4	1007.7	3.52	
14/06/2020 6:00	21	0.5	0.7	14	91.6	1008.4	4.11	
14/06/2020 6:30	59	0.6	2.5	14.2	91.6	1008	4.13	
14/06/2020 7:00	53	0.1	0.8	14.2	91.6	1007.4	4.13	
14/06/2020 7:30	14	0	0.5	14	91.6	1007.6	4.13	
14/06/2020 8:00	348	0	0.5	14.1	92	1007.8	4.13	
14/06/2020 8:30	335	0.2	0.9	13.8	91.8	1007.9	4.13	
14/06/2020 9:00	338	0.1	0.8	14.1	91.7	1008.5	4.13	4.13
14/06/2020 9:30	34	0.1	0.6	14.2	91.7	1009	0	
14/06/2020 10:00	347	0.4	1.7	14.8	90.9	1008.7	0	
14/06/2020 10:30	18	0.1	0.8	16.1	85.9	1008.6	0	
14/06/2020 11:00	343	0.2	1.4	18	73.6	1008.2	0	
14/06/2020 11:30	294	0.1	0.9	20	65.2	1007.9	0	
14/06/2020 12:00	278	0	0.7	20.4	52.1	1007.7	0	
14/06/2020 12:30	269	0.1	1.3	21.3	44.5	1007.7	0	
14/06/2020 13:00	280	0.1	1.3	21.4	35.1	1007.5	0	
14/06/2020 13:30	253	0.1	0.7	21.5	35.3	1007.6	0	
14/06/2020 14:00	165	0.1	1.3	21.4	31.2	1008.1	0	
14/06/2020 14:30	345	0	0.7	21.5	36.3	1008.3	0	
14/06/2020 15:00	183	0	0.3	21.3	31.1	1008.9	0	
14/06/2020 15:30	341	0.1	0.7	20.5	33.4	1009.4	0	
14/06/2020 16:00	303	0	0.8	19.9	35.2	1010	0	
14/06/2020 16:30	219	0	0.3	17.9	41.6	1010.5	0	
14/06/2020 17:00	179	0.1	0.3	15.7	47.8	1011.3	0	
14/06/2020 17:30	222	0	0.1	14.2	53.2	1012	0	
14/06/2020 18:00	280	0	0.1	12.7	59.7	1012.5	0	
14/06/2020 18:30	270	0	0.1	11.4	63.2	1012.9	0	
14/06/2020 19:00	316	0	0.5	12.9	55	1013.1	0	
14/06/2020 19:30	260	0	0.6	13.4	51.9	1013.1	0	
14/06/2020 20:00	152	0	0.4	13.4	49.8	1013.6	0	
14/06/2020 20:30	17	0	0.7	12.7	54.1	1014	0	
14/06/2020 21:00	344	0	0.3	11.5	58.2	1014.2	0	
14/06/2020 21:30	196	0	0.3	10.5	64.3	1014.1	0	
14/06/2020 22:00	223	0.1	0.3	9.6	70.8	1014.1	0	
14/06/2020 22:30	11	0	0.3	9	72.6	1014.3	0	
14/06/2020 23:00	222	0	0.2	8.7	73.4	1014.3	0	
14/06/2020 23:30	185	0	0.2	8.5	76.5	1014.4	0	

## **APPENDIX G      ODOUR AUDIT AND DATA**





# SUEZ – Wetherill Park RRF Odour Audit

15 May 2020

Project No.: 0520126

Document details	
Document title	SUEZ – Wetherill Park RRF Odour Audit
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Date	15 May 2020
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## Signature Page

15 May 2020

# SUEZ – Wetherill Park RRF Odour Audit



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## CONTENTS

<b>1. INTRODUCTION .....</b>	<b>1</b>
1.1 Background.....	1
1.2 Scope of work .....	1
<b>2. SITE DESCRIPTION .....</b>	<b>2</b>
<b>3. COMPARISON TO ODOUR IMPACT PREDICTIONS .....</b>	<b>3</b>
3.1 Complaint Data analysis .....	3
3.2 Field Odour Surveys .....	3
3.2.1 Survey Methodology .....	3
3.2.2 Meteorological Data .....	4
3.2.3 Survey Results.....	6
3.3 Comparison Summary .....	7
<b>4. SITE ODOUR AUDIT AND ACTION PLAN .....</b>	<b>9</b>
<b>5. CONCLUSION .....</b>	<b>10</b>
<b>6. REFERENCES .....</b>	<b>11</b>
<b>APPENDIX A .....</b>	<b>12</b>

### List of Tables

Table 3-1: Odour intensity scale from VDI 3882 .....	3
Table 3-2: Odour offensiveness scale .....	4
Table 3-3: Observed meteorological data.....	5
Table 3-4: Summary of results .....	7
Table 4-1: Potential odour sources .....	9

### List of Figures

Figure 2.1: SUEZ WPRRF and receptors .....	2
Figure 3.1: Horsley Park AWS wind rose.....	5
Figure 3.2: Horsley Park AWS wind speed frequency .....	6
Figure 3.3: Field odour survey results.....	7
Figure 3.4: Predicted odour impact (Pacific Environment, 2016) .....	8

## 1. INTRODUCTION

### 1.1 Background

SUEZ Recycling and Recovery (SUEZ) have received consent from the Department of Planning, Industry and Environment (DPIE) to increase the licence capacity of their existing Wetherill Park Resource Recovery Facility (WPRRF) located at 20 Davis Road, Wetherill Park (the 'site'). As part of the consent provided by DPIE, SUEZ is required to carry out an odour audit of the development within six months after the commencement of the expanded operations at the facility. Specifically, the consent requires the following:

#### Odour Audit

- B16. The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of expanded operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:
- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
  - (b) audit the Development in full operation;
  - (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
  - (d) validate the Development against odour impact predictions in the EIS and the RTS;
  - (e) review the design and management practices in the Development against industry best practice for odour management;
  - (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
    - i. mechanical ventilation;
    - ii. operation of the building under negative pressure to minimise fugitive emissions; and
    - iii. odour capture and control options.
  - (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

The following report summaries the methodology and results of the odour audit conducted by ERM to satisfy the development consent requirement.

### 1.2 Scope of work

The scope of work for the odour audit included the following tasks:

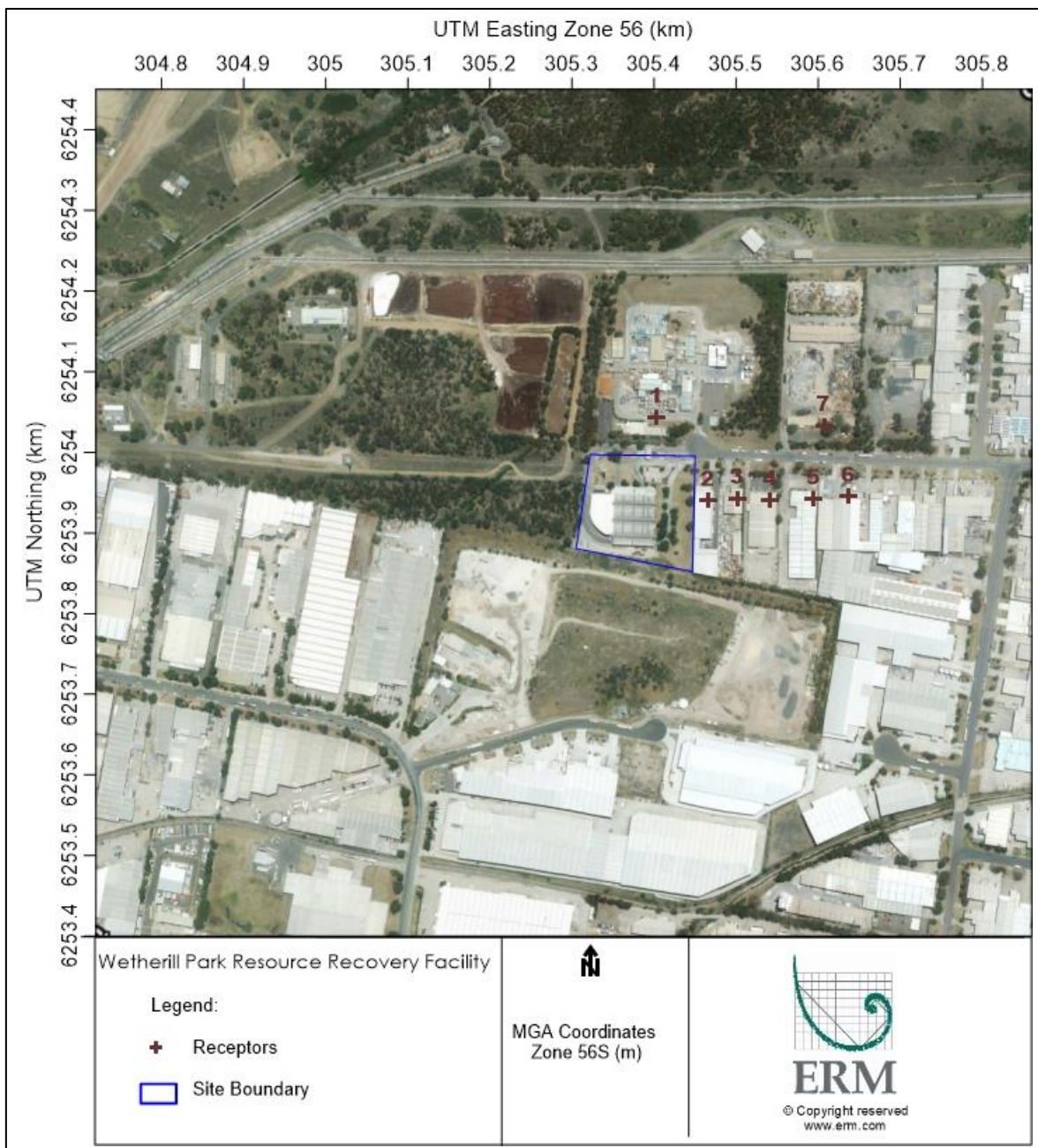
- Review and summarise odour complaint and response data (prior to the site visit).
- Conduct a site visit over two consecutive days when the site is fully operational that will include a site odour audit and field odour observations.
- Undertake a site odour audit that will identify and prioritise odour sources as well as inspect current odour mitigation measures at the site.
- Validate odour impacts against EIS and RTS predictions through odour observations in surrounding community.
- Review the site design and management practices and compare with industry best practice for odour management.
- Based on the outcome of the audit, prepare an action plan that identifies and prioritises any odour mitigation measures if required.
- Prepare an odour audit report for submission to regulatory body.



## 2. SITE DESCRIPTION

SUEZ WPRRF is located at 20 Davis Road, Wetherill Park and currently operates as a resource recovery facility, receiving General Solid Waste (putrescible) and General Solid Waste. Following an environmental and developmental assessment, WPRRF has received approval to increase its operating hours and capacity of putrescible waste.

The identification of receptors was undertaken as part of odour assessment report (Pacific Environment, 2016) that was prepared as part of the Environmental Impact Assessment (EIA). The closest receptors to the WPRRF are commercial properties with residential properties located further away (approximately 1.5 km). Nearby commercial receptors identified as part of the Environmental Impact Statement (EIS) are presented in Figure 2.1.



**Figure 2.1: SUEZ WPRRF and receptors**

### 3. COMPARISON TO ODOUR IMPACT PREDICTIONS

#### 3.1 Complaint Data analysis

Odour complaints are maintained within the SUEZ odour complaint database (SIMS). There have been no odour complaints received by SUEZ in regards to the WPRRF (J Simmons 2020, personal communication 20 February).

#### 3.2 Field Odour Surveys

##### 3.2.1 Survey Methodology

The odour surveys were conducted using a methodology based on extensive work performed in Queensland, as summarised in Ormerod and Grocott (2002) and Ormerod et al. (2002). The methodology used is a modified form of the German VDI 3940 (1993) method for odour surveys. This method standardises the odour logging and analysis approach by the adoption of a standard scale for describing odour intensity that is detailed in German Standard VDI 3882 (I) which relates to odour measurement.

For this assessment, an observer who has a sense of smell which meets the requirements of AS4323.3 (Standards Australia, 2001) conducted the field odour surveys. Stationary 10-minute surveys were conducted where the odour intensity and offensiveness, as described in Table 3-1 and Table 3-2, were recorded every 10-seconds by the observer.

In addition to making intensity and offensiveness observations, the observer also notes the character of the odour/odours observed, if that can be determined. Generally, the observations are focussed on the targeted odour/odours. If other relevant odours or background odours are present in significant intensities this is also noted and recorded as appropriate.

**Table 3-1: Odour intensity scale from VDI 3882**

Perceived odour strength	Intensity level rating	Interpretation
Extremely strong	6	In normal circumstances, this should be very rare in a field situation. For an offensive type of odour, the reaction would be to immediately mitigate against further exposure. This remains the dominant thought and motivation until the exposure level is reduced. The odour cannot be tolerated.
Very strong	5	The odour character is clearly recognisable. For an offensive type of odour, exposure to this level is considered unpleasant/undesirable to the point that action to mitigate against further exposure is considered or taken.
Strong	4	The odour character is clearly recognisable. For an offensive type of odour, exposure to this level would be considered unpleasant/undesirable.
Distinct	3	The odour character is clearly recognisable. Note that this must still apply even if in a different context or situation - for example, not knowing or expecting what type of odour may be present. The odour is tolerable – even for an offensive odour.
Weak	2	The assessor is reasonably sure that odour is present but not 100% sure of the odour character.
Very weak	1	The odour character is not recognisable. There is probably some doubt whether the odour is actually present. A useful strategy where the odour is borderline between “not perceptible” and “very weak” is to alternate such observations between 0 and 1.
Not perceptible	0	No odour.

Note: descriptors were derived by David Pitt (2014) and are consistent with the “distinct” definition in DEHP (2013).

**Table 3-2: Odour offensiveness scale**

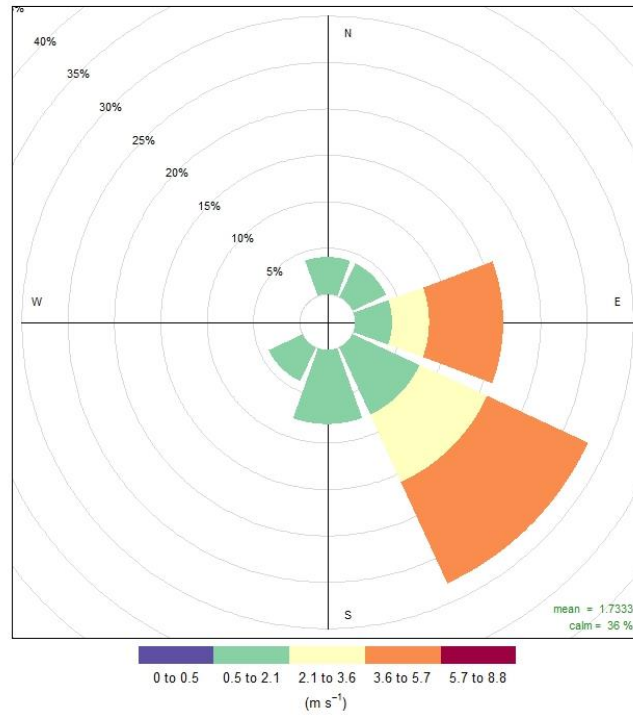
Perceived odour offensiveness	Offensiveness rating	Interpretation
Extremely Offensive	6	Unbearable effects. Immediately intolerable. Extremely strong effects such as retching, fainting or other adverse effects on physical well-being caused by exposure
Strongly Offensive	5	Causes almost immediate attempts to avoid OR Causes noticeable physiological effects following exposure e.g. pronounced nausea, feeling faint headed.
Strongly Offensive	4	Repulsive. Disgusting. Strongly displeasurable to sense of smell. Would soon elicit attempts to avoid exposure OR Causes slight physiological effects following exposure e.g. pronounced nausea, feeling faint headed.
Offensive	3	Causes recognisable displeasure to sense of smell, may be bearable for short exposure, but reluctance to submit oneself to longer exposures is likely. For a 'chemical' smell caused by substances hazardous to humans at relatively low levels, a response of worry is reasonably elicited (e.g. due to it being not practicable to avoid), but without any other physiological responses. Long-term exposure may cause stress-like symptoms
Slightly unpleasant	2	Faintly unpleasant, but easily bearable even for prolonged exposure
Neutral	1	Odour is not perceived as pleasant, but is also not even slightly unpleasant
Pleasant	0	Odour perceived as pleasant to some degree

### 3.2.2 Meteorological Data

The locations for the field survey were selected to cover downwind locations, various distances from the targeted odour source. For each observation location, wind conditions (wind direction and wind speed before and after survey), coordinates and a photo were recorded.

Field odour surveys were performed on 20 February and 21 February 2020. The closest Bureau of Meteorology (BoM) weather station to the site is the Horsley Park AWS (automatic weather station), which is located approximately 4 km to the southwest of the WPRRF. Observations were focused around the WPRRF and a wind rose summarising the meteorological conditions in the area during the survey period (2pm 20 February – 2pm 21 February) is provided in Figure 3.1 from the Horsley Park AWS. Observations were noted at the start and the end of each odour survey by the observer using a handheld anemometer and these observations are provided in Table 3-3. The wind directions noted during these surveys differed to the directions recorded for the region at Horsley Park AWS. The differences are a result of terrain and building influences as well as the observed directions recorded at a height of 1.5 m compared to a 10 m AWS anemometer height.

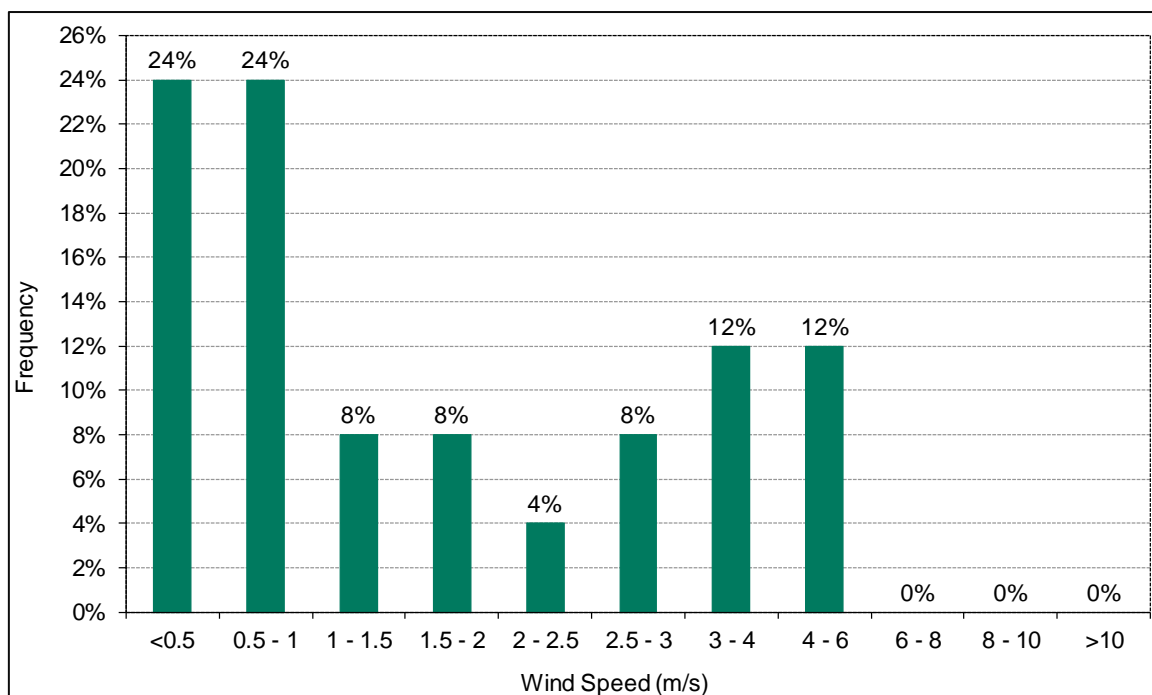
The wind speed frequency as recorded at the Horsley Park AWS during the survey period are provided in Figure 3.2. The dominance of light winds provided a challenge in finding survey locations due to limited access throughout the surrounding industrial area.



**Figure 3.1: Horsley Park AWS wind rose**

**Table 3-3: Observed meteorological data**

ID	Wind direction		Wind speed (m/s)	
	Start	End	Start	End
OS1	E	E	2.0	0.6
OS2	W	calm	1.3	calm
OS3	calm	NE	calm	0.7
OS4	NNE	WNW	1.3	0.9
OS5	W	WNW	0.9	0.8
OS6	calm	WNW	calm	1.1
OS7	calm	ENE	calm	1.3



**Figure 3.2: Horsley Park AWS wind speed frequency**

### 3.2.3 Survey Results

The field odour observation results are presented in Figure 3.3 and summarised in Table 3-4. Each survey is presented as a pie chart of the odour intensity and is plotted on an aerial image along with the wind direction/directions taken with a handheld anemometer at the time of the survey as a yellow arrow. As there is no history of complaints, the predicted odour impacts from the WPRRF odour assessment report (Pacific Environment, 2016) was used to assist in determining locations for stationary observations.

The survey period was dominated by calm winds that are traditionally associated with poor dispersion and therefore locations nearby to the entrance of the WPRRF were selected. Odour Survey 1 (OS1) was conducted on 20 February at approximately 8 pm on Davis Road near the entrance of the site as it was difficult to find access to roads downwind of the facility. No odour was observed at OS1 or at the end of Cowpasture Road near the entrance to Prospect Water Treatment Plant. No survey was conducted at the end of Cowpasture Road due to safety restrictions.

The remaining six odour surveys were conducted on 21 February. Light to calm winds again dominated the survey period so locations close to the entrance of the WPRRF were selected. Other than background odours (grass, hot chips and chemicals), a distinct waste odour was detected for a 20 second period during OS7. OS7 was conducted just after midday on Davis Road and was directly related to a truck passing the survey location. The truck was full of waste and had just left the site. The observer noted that the truck was appropriately covered and the smell, although distinctly waste, was only slightly unpleasant and lasted for a maximum of 20 seconds. A number of trucks were noted to pass the observer during the seven stationary odour surveys but this was the only instance that a waste odour was observed.

The survey results show that no odour was directly observed from the WPRRF at any of the seven stationary survey locations or during any additional observations noted during the monitoring period. The site inspection showed that odour from the receival hall was only present in the absolute vicinity of the receival hall.





**Figure 3.3: Field odour survey results**

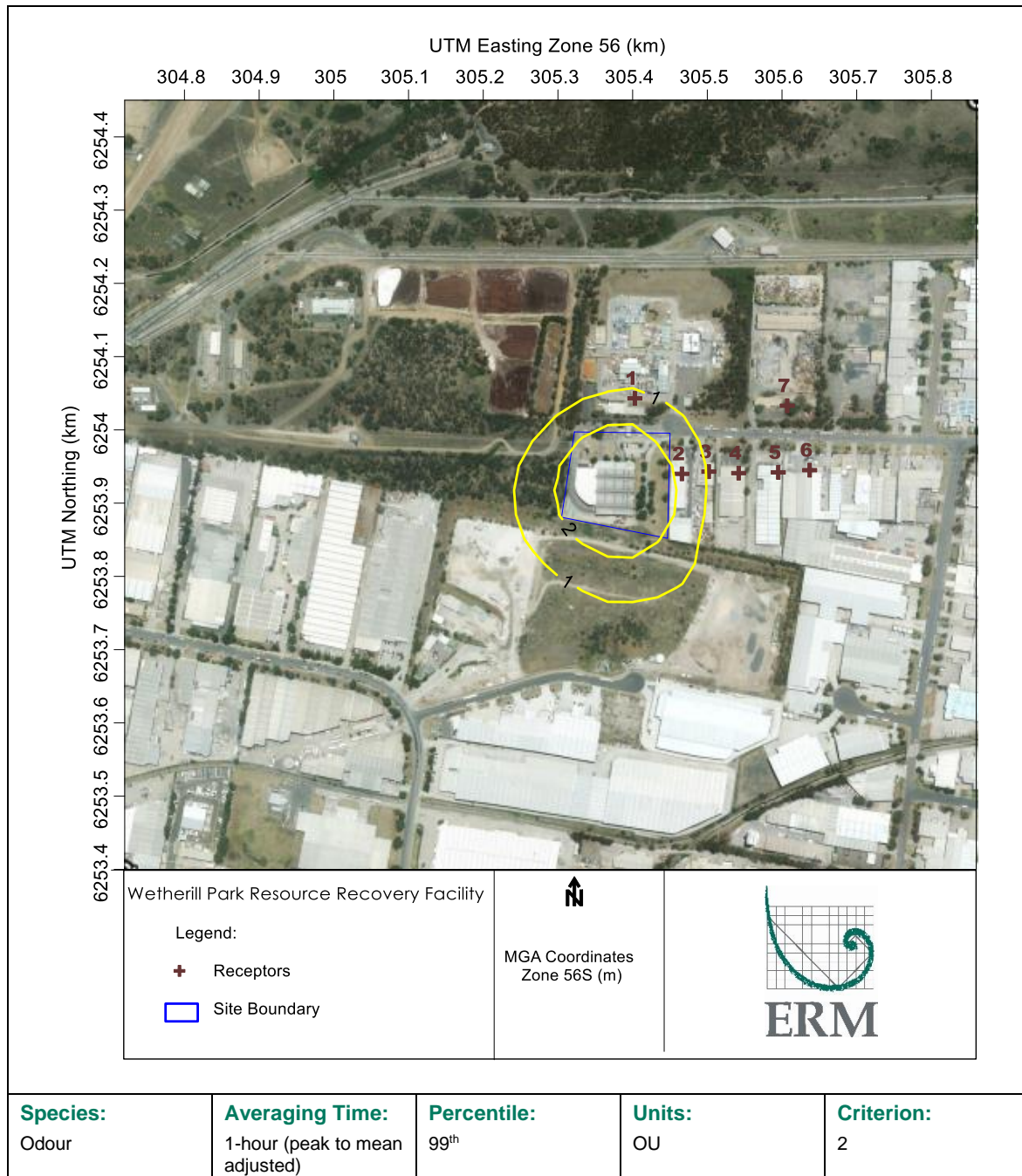
**Table 3-4: Summary of results**

ID	Number of intensity scale observations							Observed character
	0	1	2	3	4	5	6	
OS1	45	15	0	0	0	0	0	-
OS2	52	5	0	3	0	0	0	Grass
OS3	57	1	0	2	0	0	0	Hot chips
OS4	54	4	2	0	0	0	0	-
OS5	39	14	7	0	0	0	0	-
OS6	56	4	0	0	0	0	0	-
OS7	46	10	1	3	0	0	0	Waste, Chemicals

### 3.3 Comparison Summary

The field odour survey results were compared against the predicted odour impacts from the WPRRF odour assessment report (Pacific Environment, 2016) that was prepared as part of EIS for the upgrade of the facility. The modelling results for the proposed operations that were presented in the odour assessment report are provided in Figure 3.4. The emission inventory for the prediction was compiled from direct measurements of fresh mixed waste streams that were taken at landfills and recycling facilities in New South Wales and neighbouring states. The modelling results (yellow contour) indicated that the odour guideline will not be exceeded at the nearest commercial receptors. Residential properties are much further away and will not be impacted by the WPRRF.

Field surveys were conducted in available locations in the industrial area surrounding the WPRRF. The survey period was dominated by calm winds that are traditionally associated with poor dispersion and therefore an increase in the likelihood of odour impacts. No odour was observed directly from the WPRRF site during the survey period. A distinct waste odour was detected during OS7 as a full truck drove past the survey location after exiting the site. The waste odour was only detected for a 20 second period and was only considered slightly unpleasant by the assessor. The extent of impact from the site is considered consistent with the modelled prediction.



**Figure 3.4: Predicted odour impact (Pacific Environment, 2016)**




## 4. SITE ODOUR AUDIT AND ACTION PLAN

SUEZ has identified a number of potential odour sources at the WPRRF site operations. The potential odour sources are provided below:

- waste receival and storage area
- waste Pit
- vehicles entering/exiting the site
- leachate containment tank and stormwater pits

During the site visit on 20 February 2020, each of the potential odour sources were observed. Images of the potential odour sources that were taken during the site visit are provided in Table 4-1. No additional odour sources were identified during the site visit and the design of the facility and the controls applied were appropriate and in line with industry best practice for odour management.

**Table 4-1: Potential odour sources**

Waste receival and storage area	Waste pit	Vehicles entering/exiting	Leachate containment and stormwater pits
	N/A (access to waste pit restricted)		

In addition to the potential odour sources, the latest SUEZ WPRRF Odour Management Plan (OMP) (issued October 2019) was reviewed during the site visit to identify any gaps in information and to ensure that it is being applied appropriately. The review identified only the following small areas that require action:

- WPRRF Weekly Odour Monitoring Checklist (FORM026.4) needs to be uploaded to SUEZ Australia drive so that it can be downloaded and printed for weekly monitoring (currently located locally).
- Inspection of deodoriser chemical levels/amounts needs to be added to WPRRF Weekly Odour Monitoring Checklist.
- Include site specific odour management training within training schedule for supervisors (currently the SUEZ Australia Odour Management Standard Operating Procedure training is all that is conducted).
- Update contingency plan #2 and #3 – remove the storage of spare parts as these are not stored onsite but are available from supplier as required.
- Update contingency plan #8 – update to indicate that backup generator is not stored onsite for extended power outage but a current contract is in place for one to be brought to site when required.



- Update contingency plan #8 – include an operational control to ensure doors are closed during a power outage.

All mitigation and management measures other than those outline above were found to be appropriate and implemented effectively. It should be noted that the waste pit was not accessed directly due to safety concerns but the operation that was able to be observed was appropriate.

## 5. CONCLUSION

An odour audit was performed on 20 February and 21 February 2020 at the SUEZ WPRRF site as part of the consent provided by DPIE for the expansion of the operations at the facility. The odour audit has been conducted within six months of the commencement of the expanded operations at the facility. The facility has not received any odour complaints and field odour surveys conducted over both days indicated that the extent of impact from the site is considered consistent with the modelled prediction provided as part of the EIS.

The site visit reviewed the potential odour sources outlined within the current OMP and no additional sources were identified. The mitigation and management measures currently implemented at the WPRRF were reviewed against the current OMP and found to be mostly appropriate with minor updates. The suggested updates are included as part of an action plan in Section 4. Correspondence received on 14 April 2020 indicated that all suggested actions have been completed and the site is compliant (J Simmons 2020, pers. comm., 14 April).

## 6. REFERENCES

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- NSWDPE. (10 December 2015). Secretary's Environmental Assessment Report Spring Farm MOD 5.
- Ormerod, R. J., & Grocott, S. C. (2002). Development and application of state-of-the science techniques for odour monitoring, modelling and assessment: a case from Queensland. Brisbane: Proceedings 4th Annual Conference of the Environmental Engineering Society.
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## APPENDIX A

### Field Odour Survey Sheets

## Field Odour Intensity Observation Log Sheet

Panelist Name: M. Lewis  
 Date: 20/02/2020  
 Start Time: 19:55  
 Site Code: OS1  
 Location: E 305542 N 6254011 56H

Wind Speed: 2 m/s  
 Cloud Cover: moderate  
 Precipitation: 0 mm  
 Start: 2 moderate  
 End: 0.6 moderate  
 0 mm



Intensity Scale:

0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

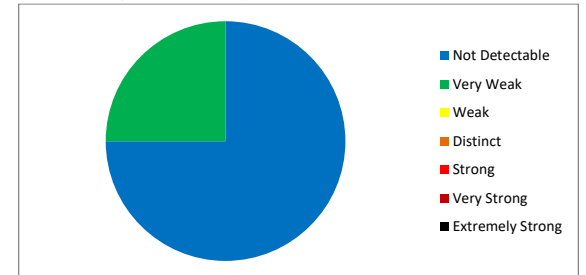
Perceived Odour Source:  
N/A

Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	1			6:50	1		
0:20	0			3:40	0			7:00	0		
0:30	0			3:50	0			7:10	1		
0:40	0			4:00	1			7:20	0		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	0			7:40	0		
1:10	0			4:30	0			7:50	1		
1:20	0			4:40	0			8:00	1		
1:30	0			4:50	0			8:10	1		
1:40	0			5:00	0			8:20	0		
1:50	0			5:10	0			8:30	0		
2:00	1			5:20	0			8:40	0		
2:10	1			5:30	1			8:50	0		
2:20	0			5:40	0			9:00	1		
2:30	0			5:50	0			9:10	1		
2:40	0			6:00	0			9:20	1		
2:50	0			6:10	0			9:30	1		
3:00	0			6:20	0			9:40	1		
3:10	0			6:30	0			9:50	0		
3:20	0			6:40	0			10:00	0		

Photo:



Plot of percentages of odour intensity observations:



Colour coding of intensity observations:

0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	1	0
0	0	0	0	1
0	0	0	1	1
0	0	0	0	1
0	1	1	0	1
0	0	0	0	1
0	0	0	1	0
1	1	0	1	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	45	75%	Not Detectable
1	15	25%	Very Weak
2	0	0%	Weak
3	0	0%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
<b>Total</b>	<b>60</b>	<b>100%</b>	

Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 8:45  
 Site Code: OS2  
 Location: E 303724 N 6254129 56H

Wind Speed: Start 1.3 End calm m/s  
 Cloud Cover: moderate-heavy moderate-heavy  
 Precipitation: 0 0 mm



0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:  
 Grass (G)

Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	1		
0:20	0			3:40	0			7:00	0		
0:30	0			3:50	0			7:10	0		
0:40	0			4:00	0			7:20	0		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	0			7:40	3	1	G
1:10	0			4:30	1			7:50	1		
1:20	0			4:40	0			8:00	0		
1:30	0			4:50	0			8:10	0		
1:40	0			5:00	0			8:20	0		
1:50	0			5:10	0			8:30	1		
2:00	0			5:20	0			8:40	0		
2:10	0			5:30	3	1	G	8:50	0		
2:20	0			5:40	1			9:00	0		
2:30	0			5:50	0			9:10	0		
2:40	0			6:00	0			9:20	0		
2:50	0			6:10	0			9:30	0		
3:00	0			6:20	0			9:40	0		
3:10	0			6:30	0			9:50	0		
3:20	0			6:40	3	1	G	10:00	0		

Photo:



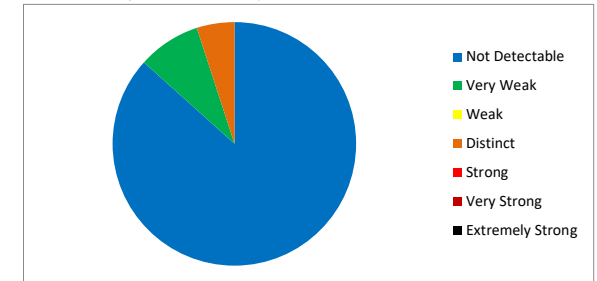
Colour coding of intensity observations:

0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	0	3	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	3	0	0
0	0	1	3	0
0	0	0	1	0
0	0	0	0	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	52	87%	Not Detectable
1	5	8%	Very Weak
2	0	0%	Weak
3	3	5%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
60		100%	

Plot of percentages of odour intensity observations:



Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 9:16  
 Site Code: OS3  
 Location: E 305941 N 6253999 56H

Wind Speed: Start 1.3 End calm m/s  
 Cloud Cover: moderate-heavy moderate-heavy mm  
 Precipitation: 0 0



Photo: N/A

0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:  
 Hot chips (Ch)

Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	3	1	Ch
0:20	0			3:40	0			7:00	3	1	Ch
0:30	0			3:50	0			7:10	1		
0:40	0			4:00	0			7:20	0		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	0			7:40	0		
1:10	0			4:30	0			7:50	0		
1:20	0			4:40	0			8:00	0		
1:30	0			4:50	0			8:10	0		
1:40	0			5:00	0			8:20	0		
1:50	0			5:10	0			8:30	0		
2:00	0			5:20	0			8:40	0		
2:10	0			5:30	0			8:50	0		
2:20	0			5:40	0			9:00	0		
2:30	0			5:50	0			9:10	0		
2:40	0			6:00	0			9:20	0		
2:50	0			6:10	0			9:30	0		
3:00	0			6:20	0			9:40	0		
3:10	0			6:30	0			9:50	0		
3:20	0			6:40	0			10:00	0		

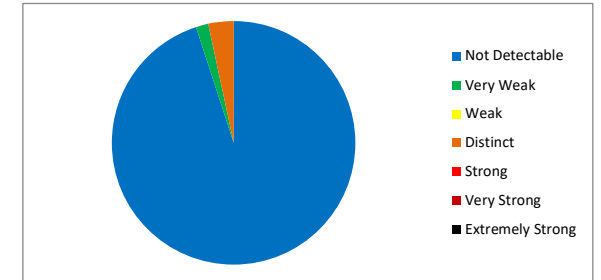
Colour coding of intensity observations:

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	3	0
0	0	0	3	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	57	95%	Not Detectable
1	1	2%	Very Weak
2	0	0%	Weak
3	2	3%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
60		100%	

Plot of percentages of odour intensity observations:



Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 9:47  
 Site Code: OS4  
 Location: E 305692 N 6253984 56H

Start 1.3 m/s  
 End 0.9 m/s  
 Wind Speed: moderate-heavy  
 Cloud Cover: light-moderate  
 Precipitation: 0 mm



0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:  
N/A

Photo:



Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	0		
0:20	0			3:40	0			7:00	0		
0:30	0			3:50	0			7:10	1		
0:40	0			4:00	1			7:20	0		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	0			7:40	0		
1:10	0			4:30	0			7:50	0		
1:20	0			4:40	0			8:00	0		
1:30	0			4:50	0			8:10	0		
1:40	0			5:00	0			8:20	0		
1:50	0			5:10	0			8:30	1		
2:00	0			5:20	0			8:40	0		
2:10	2			5:30	0			8:50	0		
2:20	2			5:40	0			9:00	0		
2:30	0			5:50	0			9:10	0		
2:40	0			6:00	0			9:20	0		
2:50	0			6:10	1			9:30	0		
3:00	0			6:20	0			9:40	0		
3:10	0			6:30	0			9:50	0		
3:20	0			6:40	0			10:00	0		

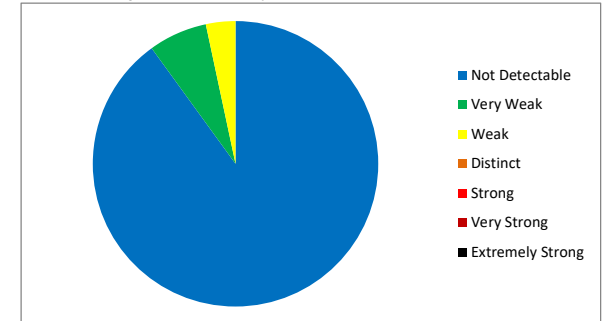
Colour coding of intensity observations:

0	2	0	1	0
0	2	0	0	0
0	0	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	54	90%	Not Detectable
1	4	7%	Very Weak
2	2	3%	Weak
3	0	0%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
	60	100%	

Plot of percentages of odour intensity observations:





Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 10:02  
 Site Code: OS5

E 305542 N 6253988 56H

Intensity Scale:	0	1	2	3	4	5	6
	Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:  
 N/A

Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	0		
0:20	0			3:40	0			7:00	1		
0:30	0			3:50	1			7:10	0		
0:40	0			4:00	0			7:20	1		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	1			7:40	0		
1:10	1			4:30	2			7:50	0		
1:20	1			4:40	0			8:00	0		
1:30	2			4:50	0			8:10	0		
1:40	1			5:00	0			8:20	0		
1:50	2			5:10	0			8:30	1		
2:00	0			5:20	0			8:40	0		
2:10	0			5:30	0			8:50	1		
2:20	0			5:40	0			9:00	1		
2:30	0			5:50	0			9:10	1		
2:40	0			6:00	1			9:20	2		
2:50	0			6:10	0			9:30	2		
3:00	0			6:20	0			9:40	2		
3:10	0			6:30	1			9:50	2		
3:20	0			6:40	0			10:00	1		

Colour coding of intensity observations:

0	0	0	0	0
0	0	1	0	0
0	0	2	1	1
0	0	0	0	0
0	0	0	0	1
0	0	0	1	1
1	0	0	0	1
1	0	0	1	2
2	0	0	0	2
1	0	0	0	2
2	1	0	0	2
0	0	1	0	1

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	39	65%	Not Detectable
1	14	23%	Very Weak
2	7	12%	Weak
3	0	0%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
	60	100%	

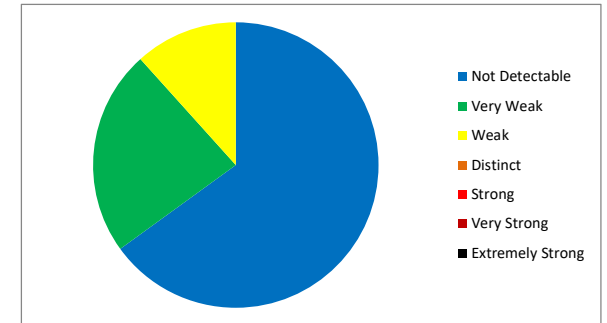
Wind Speed: Start 0.9 End 0.8 m/s  
 Cloud Cover: light-moderate light-moderate  
 Precipitation: 0 0 mm



Photo:



Plot of percentages of odour intensity observations:



Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 10:41  
 Site Code: OS6  
 Location: E 305176 S 6253640 56H

Wind Speed: Start calm End 1.1 m/s  
 Cloud Cover: light-moderate moderate  
 Precipitation: 0 0 mm



0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:  
N/A

Photo:



Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	0		
0:20	0			3:40	0			7:00	0		
0:30	0			3:50	0			7:10	1		
0:40	0			4:00	0			7:20	0		
0:50	0			4:10	0			7:30	0		
1:00	0			4:20	0			7:40	0		
1:10	0			4:30	0			7:50	0		
1:20	0			4:40	0			8:00	0		
1:30	1			4:50	1			8:10	0		
1:40	0			5:00	1			8:20	0		
1:50	0			5:10	0			8:30	0		
2:00	0			5:20	0			8:40	0		
2:10	0			5:30	0			8:50	0		
2:20	0			5:40	0			9:00	0		
2:30	0			5:50	0			9:10	0		
2:40	0			6:00	0			9:20	0		
2:50	0			6:10	0			9:30	0		
3:00	0			6:20	0			9:40	0		
3:10	0			6:30	0			9:50	0		
3:20	0			6:40	0			10:00	0		

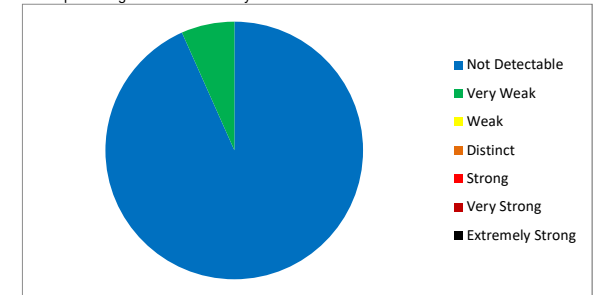
Colour coding of intensity observations:

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0
0	0	1	0	0
0	0	0	1	0
0	0	0	0	0
1	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	56	93%	Not Detectable
1	4	7%	Very Weak
2	0	0%	Weak
3	0	0%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
	60	100%	

Plot of percentages of odour intensity observations:



Panelist Name: M. Lewis  
 Date: 21/02/2020  
 Start Time: 12:19  
 Site Code: OS7

Location: E 305585 N 6253990 56H

Intensity Scale:

0	1	2	3	4	5	6
Not Detectable	Very Weak	Weak	Distinct	Strong	Very Strong	Extremely Strong

Perceived Odour Source:

W- waste, C- chemicals

Wind Speed: Start calm End 1.1 m/s  
 Cloud Cover: ght-moderat 1.1 moderate  
 Precipitation: 0 0 mm



Photo: N/A

Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source	Time	Intensity	Offensiveness	Source
0:10	0			3:30	0			6:50	3		
0:20	0			3:40	0			7:00	0	2	C
0:30	1			3:50	0			7:10	0		
0:40	1			4:00	0			7:20	1		
0:50	0			4:10	0			7:30	1		
1:00	0			4:20	1			7:40	0		
1:10	0			4:30	3	2	W	7:50	0		
1:20	0			4:40	3	2	W	8:00	0		
1:30	0			4:50	0			8:10	0		
1:40	0			5:00	0			8:20	0		
1:50	0			5:10	0			8:30	0		
2:00	0			5:20	0			8:40	0		
2:10	0			5:30	0			8:50	0		
2:20	0			5:40	0			9:00	0		
2:30	0			5:50	0			9:10	0		
2:40	0			6:00	1			9:20	0		
2:50	0			6:10	1			9:30	1		
3:00	0			6:20	0			9:40	0		
3:10	2			6:30	0			9:50	0		
3:20	1			6:40	1			10:00	0		

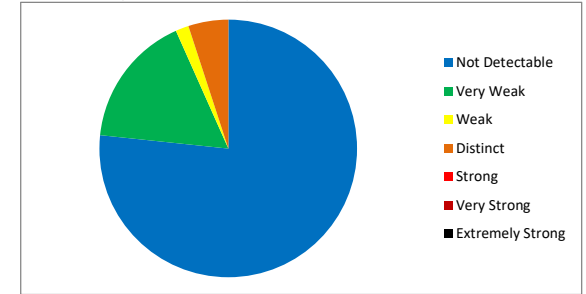
Colour coding of intensity observations:

0	0	0	1	0
0	0	1	0	0
1	0	3	0	0
1	0	3	1	0
0	0	0	3	0
0	0	0	0	0
0	2	0	0	0
0	1	0	1	0
0	0	0	1	1
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0

Summary odour intensity observations:

Intensity	No obs	%	Descriptor
0	46	77%	Not Detectable
1	10	17%	Very Weak
2	1	2%	Weak
3	3	5%	Distinct
4	0	0%	Strong
5	0	0%	Very Strong
6	0	0%	Extremely Strong
60		100%	

Plot of percentages of odour intensity observations:





20 May 2020

Recycling & Recovery

Compliance Team  
 Department of Planning, Industry and Environment  
 4 Parramatta Square, 12 Darcy St  
 Parramatta, NSW 2150

**RE: SSD 7267 - SUEZ Wetherill Park Resource Recovery Facility. Compliance with Conditions B16 & B17**

To whom it may concern

Please find attached the Odour Audit of SUEZ Wetherill Park, dated 15 May 2020, in compliance with Condition B16 of SSD 7267.

Section 4, Site odour audit and action plan identifies five (5) actions to be addressed. These have been reviewed and addressed as below

Recommendation	Action taken	Date completed
WPRRF weekly odour monitoring checklist needs to be uploaded to SUEZ Australia drive so that it can be downloaded and printed for weekly monitoring	Uploaded and available on SUEZ intranet	March 2020
Inspection of deodoriser chemical levels needs to be added to WPRRF weekly odour monitoring checklist	Trade waste system is managed by external contractor and chemical levels recorded daily on FORM075 Trade waste plant monitoring log.	15 May 2020
Include site specific Odour management training within training schedule for supervisors	Training schedule updated to include OMP training. Training on PLANS004.7.2 will be delivered to workers once PLAN004 approval is received from DPIE.	May 2020.
Update contingency plan #2 and #3	Updated to identify spare parts held by supplier	August 2019
Update contingency plan #8	Updated to identify access to back up generator for extended power outage	August 2019

On 20 May 2020, a copy of the odour audit and this documentation has been submitted to the Department of Planning, Industry and Environment: [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au)

On 20 May 2020, a copy of the odour audit and this documentation has been submitted to the Environmental Protection Authority: [waste.operations@epa.nsw.gov.au](mailto:waste.operations@epa.nsw.gov.au)

Could you please confirm The Odour Audit Report is to your satisfaction by return email to [kelly.gee@suez.com](mailto:kelly.gee@suez.com)

If you have any questions on this matter, please contact Kelly Gee on 049 808 696.

Yours Sincerely



**Aaron Svensson**  
**Site Manager**  
**SUEZ Recycling & Recovery Australia**



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??



<b>Legend:</b>	
	SUEZ Site Boundary
	SUEZ Baling Services
	Trade Waste
	Weighbridge
	Receival Hall
	Odour Assessment Point

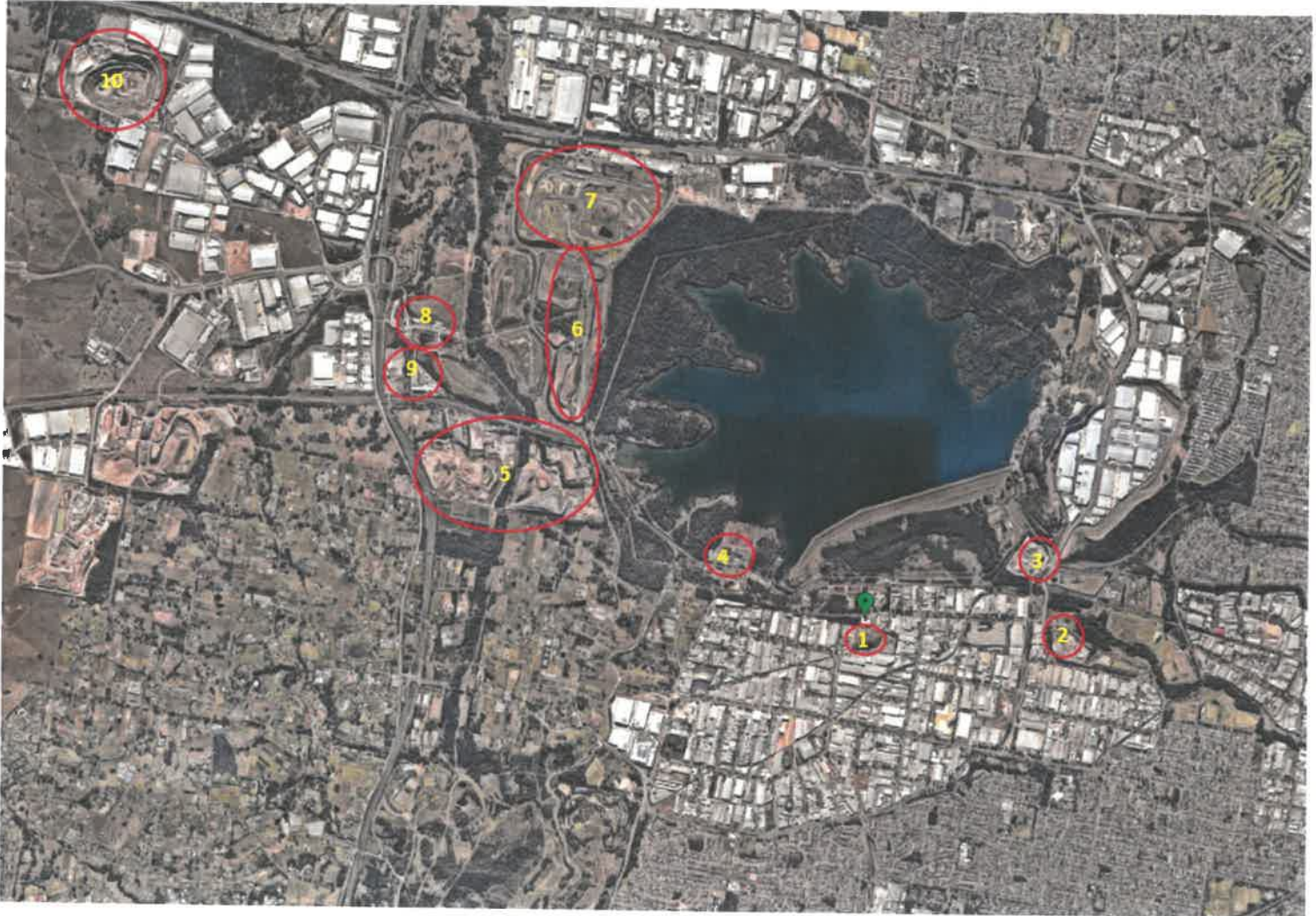


# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39



1	AWJ Civil	140 m	6	Sydney Drag Way	3,184 m
2	Recycling Drop off	1,411 m	7	Sydney Motor Sport Park	4,033 m
3	Boral Quarries	1,351 m	8	SUEZ Eastern Creek RRP	4,332 m
4	SUEZ Water at Prospect Reservoir	1,101 m	9	Global Renewables	4,239 m
5	Austral Bricks	2,731 m	10	Dial a Dump	7,533 m

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39

**E-MAILED**  
20.12.19

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 20.12.19	Start time: 8.30	Finish time: 9.15
Completed by: Nicu.M.	Signature: <i>[Signature]</i>	
Other Attendees:		
Weather Conditions		
Wind Speed: 10 km/h.	Wind Direction: SSE	Air temp: 21°C
Humidity: 67%	Other Conditions:	Rain 0.0mm.

### Reason for Monitoring

WEEKLY ODOUR MONITORING.

### Odour Monitoring Results

Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	8.30	0	
2. Inbound weighbridge	8.31	0	
3. Outbound weighbridge	8.31	0	
4. Trade waste shed	8.38	2	BULK WASTE TRUCKS AT GANTRY.
5. C&I entry door	8.43	3	
6. General public entry door	8.45	3	
7. SUEZ Baling Services	8.50	2	BULK WASTE TRUCK CURRENTLY AT GANTRY.
8. Asbestos bin area	8.53	3	
9. Tipping floor exit door	8.55	4	
10. Tunnel entry	9.01	1	
11. Truck Parking	9.10	0	

### Additional Comments and Observations

### Investigation outcome and actions undertaken

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

<b>Date:</b> 27.12.19.	<b>Start time:</b> 11.00	<b>Finish time:</b> 11.20	
<b>Completed by:</b> N. MONTEAGUDO.	<b>Signature:</b>		
<b>Other Attendees:</b> S. BUCHANNAN			
<b>Weather Conditions</b>			
<b>Wind Speed:</b> 21 km/h.	<b>Wind Direction:</b> NE	<b>Air temp:</b> 26.8	
<b>Humidity:</b> 41%	<b>Other Conditions:</b>	<b>Rain:</b> 0.	
<b>Reason for Monitoring</b>			
WEEKLY CHECK.			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	11.00	0	
2. Inbound weighbridge	11.02	0	
3. Outbound weighbridge	11.03	0	
4. Trade waste shed	11.06	0	
5. C&I entry door	11.08	0	
6. General public entry door	11.10	0	
7. SUEZ Baling Services	11.15	0	
8. Asbestos bin area	11.16	0	
9. Tipping floor exit door	11.17	0	
10. Tunnel entry	11.19	0	
11. Truck Parking	11.20	0	
<b>Additional Comments and Observations</b>			
<b>Investigation outcome and actions undertaken</b>			

0



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 3.1.20.		Start time: 11.00	Finish time: 11.50.
Completed by: Nick M.		Signature:	
Other Attendees: _____			
<b>Weather Conditions</b>			
Wind Speed: 8 km/h.	Wind Direction: ESE	Air temp: 28°.	
Humidity: 61%.	Other Conditions:	Rain 0%.	
<b>Reason for Monitoring</b>			
Weekly odour monitoring.			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	11.00	0	
2. Inbound weighbridge	11.02	0	
3. Outbound weighbridge	11.04	0	
4. Trade waste shed	11.10	0	
5. C&I entry door	11.15	1	
6. General public entry door	11.17	0	
7. SUEZ Baling Services	11.21	0	
8. Asbestos bin area	11.25	0	
9. Tipping floor exit door	11.31	0	
10. Tunnel entry	11.44	0	
11. Truck Parking	11.47	0	
<b>Additional Comments and Observations</b>			
Minimal waste in transfer station.			
<b>Investigation outcome and actions undertaken</b>			



# Wetherill Park RRF

## Weekly Odour Monitoring



**E-MAILED**  
10.01.2020

Document #: FORM026.4.39

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 10.01.2020	Start time: 1.20 PM.	Finish time: 2:10 PM.
Completed by: NICK M.	Signature: [Signature]	
Other Attendees: STEVE.		

Weather Conditions		
Wind Speed: 27 km/h.	Wind Direction: NE	Air temp: 28°
Humidity: 62%.	Other Conditions:	Rain 20%.

Reason for Monitoring  
WEEKLY CHECK.

Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	1:20	0	
2. Inbound weighbridge	1:22	0	
3. Outbound weighbridge	1:24	0	
4. Trade waste shed	1:27	0	
5. C&I entry door	1:32	4	SUEZ TRUCK DROVE INTO FACILITY.
6. General public entry door	1:35	1	
7. SUEZ Baling Services	1:39	0	
8. Asbestos bin area	1:45	0	
9. Tipping floor exit door	1:51	1	
10. Tunnel entry	1:59	0	
11. Truck Parking	2:10	0	

Additional Comments and Observations

Investigation outcome and actions undertaken

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 17/1/2020	Start time: 10 AM	Finish time: 10.20 AM.
Completed by: STEVEN	Signature:	
Other Attendees:		
Weather Conditions		
Wind Speed: 6 km	Wind Direction: NW	Air temp: 28°
Humidity: 88%	Other Conditions:	Rain 0% OF RAIN
Reason for Monitoring		

### WEEKLY CHECKLIST.

#### Odour Monitoring Results

Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	10.02	1	TRUCK ENTERING
2. Inbound weighbridge	10.02	1	TRUCK ON WEIGHBRIDGE
3. Outbound weighbridge	10.02	2	SUEZ TRAILER WEIGHING OFF
4. Trade waste shed	10.03	2	SUEZ TRAILER WAITING.
5. C&I entry door	10.04	1	RUBBISH IN PIT
6. General public entry door	10.04	1	RUBBISH IN PIT
7. SUEZ Baling Services	10.05	2	SUEZ TRAILER AT CANTREY
8. Asbestos bin area	10.07	0	
9. Tipping floor exit door	10.07	1	TRUCK LEAVING.
10. Tunnel entry	10.08	1	RUBBISH IN PIT
11. Truck Parking	10.09	0	

#### Additional Comments and Observations

#### Investigation outcome and actions undertaken

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 21/1/2020		Start time: 12.40pm.	Finish time: 13.00pm.
Completed by: S. Buchanan		Signature:	
Other Attendees:			
Weather Conditions			
Wind Speed: 10km	Wind Direction: SW	Air temp: 30°	
Humidity: 32%	Other Conditions:	Rain NO RAIN	
Reason for Monitoring			
WEEKLY MONITOR			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	12.45	1	TRUCK ENTERING YARD.
2. Inbound weighbridge	12.45	1	TRUCK ON BRIDGE
3. Outbound weighbridge	12.45	0	
4. Trade waste shed	12.48	0	
5. C&I entry door	12.50	2	TRUCKS UNLOADING ON FLOOR
6. General public entry door	12.50	1	LOADING. TRUCK FROM PIT
7. SUEZ Baling Services	12.49	0	
8. Asbestos bin area	12.54	0	
9. Tipping floor exit door	12.53	1	TRUCK LEAVING FLOOR AREA.
10. Tunnel entry	12.59	1	SUEZ TRUCK ENTERING TUNNEL.
11. Truck Parking	12.58	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



**E-MAILED**

Document #: FORM026.4.39

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 31.01.2020		Start time: 6.00AM	Finish time: 6.30AM.
Completed by: N. MONTEAGUDO		Signature: <i>[Signature]</i>	
Other Attendees:			
<b>Weather Conditions</b>			
Wind Speed: 11 km/h.	Wind Direction: WEST.	Air temp: 19°	
Humidity: 72%	Other Conditions: /	Rain /	
<b>Reason for Monitoring</b>			
WEEKLY MONITORING.			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	6.00	0	
2. Inbound weighbridge	6.01	0	
3. Outbound weighbridge	6.03	0	
4. Trade waste shed	6.05	1	
5. C&I entry door	6.07	2	
6. General public entry door	6.11	2	
7. SUEZ Baling Services	6.19	0	
8. Asbestos bin area	6.23	1	
9. Tipping floor exit door	6.25	1	
10. Tunnel entry	6.29	0	
11. Truck Parking	6.30	0	
<b>Additional Comments and Observations</b>			
<b>Investigation outcome and actions undertaken</b>			



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 4/2/2020	Start time: 10.46 AM	Finish time: 10.57 AM.
Completed by: STEVEN BUCHANAN	Signature:	
Other Attendees:		
Weather Conditions		
Wind Speed: 24 km	Wind Direction: South	Air temp: 21°
Humidity: 47%	Other Conditions:	Rain 0%

### Reason for Monitoring

### Odour Monitoring Results

Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	10.47	1	TRUCK LEAVING YARD
2. Inbound weighbridge	10.47	1	TRUCK ON WEIGHBRIDGE
3. Outbound weighbridge	10.47	0	
4. Trade waste shed	10.48	0	
5. C&I entry door	10.49	2	TRUCKS UNLOADING ON FLOOR
6. General public entry door	10.49	1	SMELL FROM FLOOR.
7. SUEZ Baling Services	10.51	1	TRUCK AT CANOPY CLEANING TOP.
8. Asbestos bin area	10.53	0	
9. Tipping floor exit door	10.53	1	SMELL FROM TRANSFER FLOOR
10. Tunnel entry	10.55	1	SMELL FROM PIT.
11. Truck Parking	10.54	0	

### Additional Comments and Observations

### Investigation outcome and actions undertaken



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39

**E-MAILED**

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

<b>Date:</b> 13.02.2020	<b>Start time:</b> 9.02	<b>Finish time:</b> 9.20	
<b>Completed by:</b> N. MONTAGUPO	<b>Signature:</b>		
<b>Other Attendees:</b>			
<b>Weather Conditions</b>			
<b>Wind Speed:</b> 16 km/h	<b>Wind Direction:</b> EAST	<b>Air temp:</b> 24°	
<b>Humidity:</b> 88%	<b>Other Conditions:</b>	<b>Rain</b> CURRENTLY RAINING	
<b>Reason for Monitoring</b>			
WEEKLY MONITORING.			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	9.02	0	
2. Inbound weighbridge	9.03	0	
3. Outbound weighbridge	9.04	0	
4. Trade waste shed	9.05	1	
5. C&I entry door	9.07	1	
6. General public entry door	9.09	2	② CHAUBASS
7. SUEZ Baling Services	9.12	0	
8. Asbestos bin area	9.12	2	
9. Tipping floor exit door	9.13	3	
10. Tunnel entry	9.16	0	
11. Truck Parking	9.15	0	
<b>Additional Comments and Observations</b>			
<b>Investigation outcome and actions undertaken</b>			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 18/2/2020		Start time: 8:10 AM	Finish time: 8:17 AM
Completed by: STEVEN BUCHANAN		Signature:	
Other Attendees:			
Weather Conditions			
Wind Speed: 6 km	Wind Direction: NW	Air temp: 21°	
Humidity: 88%	Other Conditions:	Rain 20%	
Reason for Monitoring			
WEEKLY CHECKLIST			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	8:11	0	
2. Inbound weighbridge	8:11	0	
3. Outbound weighbridge	8:11	0	
4. Trade waste shed	8:12	0	
5. C&I entry door	8:12	1	RUBBISH IN THE PIT
6. General public entry door	8:12	1	RUBBISH IN THE PIT
7. SUEZ Baling Services	8:13	1	CANTRY AREA
8. Asbestos bin area	8:14	0	
9. Tipping floor exit door	8:14	1	RUBBISH IN PIT
10. Tunnel entry	8:15	1	RUBBISH IN THE PIT
11. Truck Parking	8:16	1	1 TRAILER NOT RUNNING TODAY.
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 24/2/2020	Start time: 8AM	Finish time: 8:08AM.	
Completed by: STEVEN BUCHANAN	Signature:		
Other Attendees:			
Weather Conditions			
Wind Speed: 2km.	Wind Direction: S	Air temp: 19°.	
Humidity: 89%	Other Conditions:	Rain 10%	
Reason for Monitoring			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	8:01	0.	
2. Inbound weighbridge	8:01	0	
3. Outbound weighbridge	8:01	0	
4. Trade waste shed	8:02	1	
5. C&I entry door	8:03	1	ROBBISH IN PIT
6. General public entry door	8:03	1	ROBBISH IN PIT
7. SUEZ Baling Services	8:04	1	TRUCK AT COUNTRY.
8. Asbestos bin area	8:05	0	
9. Tipping floor exit door	8:05	1	ROBBISH IN PIT
10. Tunnel entry	8:06	1	TRUCK ENTERING TUNNEL.
11. Truck Parking	8:06	1	SPACE TRAILER PARKED UP.
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 5/3/2020	Start time: 8:20AM	Finish time: 8:28AM
Completed by: S. BUCHANAN	Signature:	
Other Attendees:		
Weather Conditions		
Wind Speed: 6km	Wind Direction: NE	Air temp: 21°
Humidity: 93%	Other Conditions:	Rain YES IT'S RAINING
Reason for Monitoring		

Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	8:20	1	TRUCK ENTERING YARD
2. Inbound weighbridge	8:20	1	TRUCK ON BRIDGE
3. Outbound weighbridge	8:20	1	TRUCK LEAVING YARD
4. Trade waste shed	8:22	1	TRADE WASTE PIT RUNNING.
5. C&I entry door	8:23	2	TRUCKS ON FLOOR.
6. General public entry door	8:23	1	RUBBISH IN PIT
7. SUEZ Baling Services	8:24	2	TRUCK AT CONTRY.
8. Asbestos bin area	8:25	1	
9. Tipping floor exit door	8:26	1	TRUCK LEAVING FLOOR.
10. Tunnel entry	8:27	1	TRUCK ENTERING TUNNEL
11. Truck Parking	8:27	0	

Additional Comments and Observations

Investigation outcome and actions undertaken

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 10/3/2020	Start time: 9.15am.	Finish time: 9.30am	
Completed by: S BUCHANAN	Signature:		
Other Attendees:			
Weather Conditions			
Wind Speed: 11km	Wind Direction: Sth.	Air temp: 17°	
Humidity: 87%	Other Conditions:	Rain 10%	
Reason for Monitoring			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	9.15	0	
2. Inbound weighbridge	9.15	0	
3. Outbound weighbridge	9.15	0	
4. Trade waste shed	9.17	1	TRUCK AT GANTRY.
5. C&I entry door	9.18	1	TRUCKS TIPPING ON FLOOR
6. General public entry door	9.19	1	CUSTOMERS UNLOADING.
7. SUEZ Baling Services	9.21	1	TRUCK AT GANTRY.
8. Asbestos bin area	9.22	1	TRUCKS LEAVING FLOOR.
9. Tipping floor exit door	9.23	1	TRUCKS LEAVING FLOOR.
10. Tunnel entry	9.30	2	TRUCK COMING UP.
11. Truck Parking	9.30	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 20/3/2020	Start time: 8:15	Finish time: 8:25	
Completed by: S. BUCHANAN	Signature:		
Other Attendees:			
Weather Conditions			
Wind Speed: 6km	Wind Direction: NW	Air temp: 21°	
Humidity: 68%	Other Conditions: Sunny	Rain 0%	
Reason for Monitoring			
WEEKLY MONITORING			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	8:15	1	TRUCK ENTERING SITE
2. Inbound weighbridge	8:15	1	TRUCK ON BRIDGE
3. Outbound weighbridge	8:15	1	TRUCK LEAVING SITE.
4. Trade waste shed	8:16	2	SUEZ TRAILER WAITING TO WEIGHOUT.
5. C&I entry door	8:17	1	TRUCKS TIPPING ON FLOOR.
6. General public entry door	8:17	1	TRUCKS TIPPING ON FLOOR.
7. SUEZ Baling Services.	8:18	2	SUEZ TRAILER AT CANTRY.
8. Asbestos bin area	8:20	0	
9. Tipping floor exit door	8:21	1	TRUCKS TIPPING ON FLOOR
10. Tunnel entry	8:23	2	TRUCK BEING LOADED.
11. Truck Parking	8:25	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 23/3/2020		Start time: 12.05 pm	Finish time: 12.20 pm.
Completed by: S. Buchanan		Signature:	
Other Attendees:			
Weather Conditions			
Wind Speed: 26 km	Wind Direction: SW	Air temp: 22°	
Humidity: 66%	Other Conditions:	Rain 30%	
Reason for Monitoring			
WEEKLY MONITORING			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	12.05	1	TRUCKS LEAVING THE YARD
2. Inbound weighbridge	12.05	1	TRUCK ON BRIDGE IN
3. Outbound weighbridge	12.05	1	TRUCK ON BRIDGE OUT.
4. Trade waste shed	12.06	0	
5. C&I entry door	12.07	1	TRUCKS TIPPING ON FLOOR
6. General public entry door	12.08	1	RUBBISH IN PIT
7. SUEZ Baling Services	12.09	0	
8. Asbestos bin area	12.10	1	TRUCK LEAVING TIPPING FLOOR
9. Tipping floor exit door	12.11	1	TRUCK LEAVING TIPPING FLOOR
10. Tunnel entry	12.15	2-3	TRAILER BEING LOADED
11. Truck Parking	12.17	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 10/4/2020	Start time: 10.05AM	Finish time: 10.25AM
Completed by: S. Buchanan	Signature:	
Other Attendees:		
Weather Conditions		
Wind Speed: 8km	Wind Direction: Nth	Air temp: 22'
Humidity: 64%	Other Conditions:	Rain 0%

### Reason for Monitoring

### Odour Monitoring Results

Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	10.05	0	
2. Inbound weighbridge	10.05	0	
3. Outbound weighbridge	10.06	0	
4. Trade waste shed	10.07	0	
5. C&I entry door	10.08	1	Rubbish on Floor
6. General public entry door	10.08	1	Rubbish in Pit
7. SUEZ Baling Services	10.09	0	
8. Asbestos bin area	10.10	0	
9. Tipping floor exit door	10.11	1	Rubbish on Floor.
10. Tunnel entry	10.15	1	Rubbish in Pit
11. Truck Parking	10.25	0	

### Additional Comments and Observations

### Investigation outcome and actions undertaken

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 22/4/2020		Start time: 7.40AM	Finish time: 7.50AM.
Completed by: S. Buchannan		Signature:	
Other Attendees:			
Weather Conditions			
Wind Speed: 6km	Wind Direction: WEST	Air temp: 13°	
Humidity: 87%	Other Conditions:	Rain 0%	
Reason for Monitoring			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	7.40	0	
2. Inbound weighbridge	7.40	0	
3. Outbound weighbridge	7.40	0	
4. Trade waste shed	7.42	2	WASTE BEING PUMPED OUT
5. C&I entry door	7.43	1	RUBBISH INSIDE
6. General public entry door	7.43	1	RUBBISH INSIDE
7. SUEZ Baling Services	7.44	0	
8. Asbestos bin area	7.45	0	
9. Tipping floor exit door	7.45	1	RUBBISH INSIDE
10. Tunnel entry	7.46	1	TRUCK ENTERING
11. Truck Parking	7.49	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 30/4/2020	Start time: 10AM	Finish time: 10.10AM.	
Completed by: S. BUCHANAN	Signature:		
Other Attendees:			
Weather Conditions			
Wind Speed: 6km	Wind Direction: WSW	Air temp: 17°	
Humidity: 94%	Other Conditions:	Rain 30%	
Reason for Monitoring			
WEEKLY CHECK.			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	10.01	0	
2. Inbound weighbridge	10.01	0	
3. Outbound weighbridge	10.02	0	
4. Trade waste shed	10.03	1	TRADE WASTE WATER SMELLS
5. C&I entry door	10.05	1	ROBBISH IN PIT
6. General public entry door	10.05	1	ROBBISH IN PIT
7. SUEZ Baling Services	10.06	0	
8. Asbestos bin area	10.07	0	
9. Tipping floor exit door	10.08	1	ROBBISH IN PIT
10. Tunnel entry	10.09	1	ROBBISH FROM PIT UPSTAIRS
11. Truck Parking	10.10	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			



# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 8.5.2020		Start time: 6 AM	Finish time: 6.35 AM
Completed by: N. MONTEAGUDO		Signature:	
Other Attendees: S. BUCHANAN			
<b>Weather Conditions</b>			
Wind Speed: NW 14 km/h	Wind Direction: NW	Air temp: 12	
Humidity: 20%	Other Conditions: /	Rain 0%	
<b>Reason for Monitoring</b>			
WEEKLY CHECK			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	6 AM	0	
2. Inbound weighbridge	6.03	0	
3. Outbound weighbridge	6.05	0	
4. Trade waste shed	6.10	0	
5. C&I entry door	6.12	2	
6. General public entry door	6.14	2	
7. SUEZ Baling Services	6.20	0	
8. Asbestos bin area	6.23	0	
9. Tipping floor exit door	6.25	0	
10. Tunnel entry	6.27	0	
11. Truck Parking	6.30	0	
<b>Additional Comments and Observations</b>			
<b>Investigation outcome and actions undertaken</b>			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 22/5/2020	Start time: 10.45am	Finish time: 11am	
Completed by: S Buchanan	Signature:		
Other Attendees:			
Weather Conditions			
Wind Speed: 26km	Wind Direction: WSW	Air temp: 15°	
Humidity: 57%	Other Conditions:	Rain 20%	
Reason for Monitoring			
Weekly Check			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	10.45	0	
2. Inbound weighbridge	10.45	1	
3. Outbound weighbridge	10.46	1	SUEZ TRAILER ON BRIDGE
4. Trade waste shed	10.47	1	TRUCK WAITING
5. C&I entry door	10.48	1	RUBBISH IN PIT
6. General public entry door	10.48	1	RUBBISH IN PIT
7. SUEZ Baling Services	10.49	2	SUEZ TRAILER AT GATEWAY
8. Asbestos bin area	10.50	0	
9. Tipping floor exit door	10.51	1	RUBBISH IN PIT
10. Tunnel entry	10.52	2	SOME RUBBISH ON GROUND
11. Truck Parking	10.58	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

<b>Date:</b> 4.6.2020		<b>Start time:</b> 6AM.	<b>Finish time:</b>
<b>Completed by:</b> N. MONTEAGUDO		<b>Signature:</b>	
<b>Other Attendees:</b> S. BUCHANAN.			
<b>Weather Conditions</b>			
<b>Wind Speed:</b> 16 km/h	<b>Wind Direction:</b> SW	<b>Air temp:</b> 11°	
<b>Humidity:</b> 54%	<b>Other Conditions:</b>	<b>Rain:</b> 0%	
<b>Reason for Monitoring</b>			
WEEKLY MAINTENANCE.			
<b>Odour Monitoring Results</b>			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	6.00	0	
2. Inbound weighbridge	6.02	1	
3. Outbound weighbridge	6.02	1	
4. Trade waste shed	6.06	3	
5. C&I entry door	6.11	3	
6. General public entry door	6.13	3	
7. SUEZ Baling Services	6.15	1	
8. Asbestos bin area	6.20	0	
9. Tipping floor exit door	6.22	2	
10. Tunnel entry	6.30	3	
11. Truck Parking	6.35	1	
<b>Additional Comments and Observations</b>			
<b>Investigation outcome and actions undertaken</b>			

# Wetherill Park RRF

## Weekly Odour Monitoring



Document #: FORM026.4.39 ??

Instructions: External odour tours to be completed proactively, during adverse weather conditions or in response to an odour complaint. Fill in complaint details if in response to a complaint.

Date: 11/6/2020		Start time: 9.30	Finish time: 9.42 AM
Completed by: S BUCHANAN		Signature:	
Other Attendees:			
Weather Conditions			
Wind Speed: 8 Km	Wind Direction: WSW	Air temp: 13°.	
Humidity: 96%	Other Conditions:	Rain 10%	
Reason for Monitoring			
WEEKLY CHECKLIST.			
Odour Monitoring Results			
Checkpoints (mark on map)	Time	Odour Level (0-5)	Comments / Description of Odour
1. Davis Road cul-de-sac	9.30	0	
2. Inbound weighbridge	9.30	0	
3. Outbound weighbridge	9.31	0	
4. Trade waste shed	9.31	1	SUEZ TRUCK MAKING WAY TO WEIGHBRIDGE
5. C&I entry door	9.32	2	TRUCKS TIPPING ON FLOOR.
6. General public entry door	9.33	2	TRUCKS TIPPING ON FLOOR.
7. SUEZ Baling Services	9.34	2	SUEZ TRAILER CLEANING LIDS AT CANOPY.
8. Asbestos bin area	9.36	0	
9. Tipping floor exit door	9.37	1	TRUCKS LEAVING FLOOR.
10. Tunnel entry	9.39.	2	TRAILER BEING LOADED
11. Truck Parking	9.42	0	
Additional Comments and Observations			
Investigation outcome and actions undertaken			

**APPENDIX H      NOISE REPORTS**





# HIBBS

Excellence in Risk Management



## | SUEZ RECYCLING AND RECOVERY |

### ENVIRONMENTAL NOISE ASSESSMENT

REFERENCE NO. S11308-R2

WETHERILL PARK RRF | 04 JUNE 2020

**Environmental Noise Assessment**

20 Davis Rd, Wetherill Park NSW 2164

Prepared for

**SUEZ Recycling and Recovery**

20 Davis Rd, Wetherill Park NSW 2164

by

**HIBBS & ASSOCIATES PTY LTD**

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Our Reference: S11308-R2

Prepared by:

**Calvin Dunn  
Acoustician**



---

Reviewed by:

**Toby Dudman  
Principal Acoustician**



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Date: 04 June 2020

## Executive Summary

This report presents the findings of an Environmental Noise Assessment of SUEZ Recycling and Recovery's Wetherill Park RRF (Resource Recovery Facility) at 20 Davis Rd, Wetherill Park NSW 2164. The aim of this report is to assess the noise emission performance of the site. SUEZ Recycling and Recovery's EPL for Wetherill Park RRF (EPL 4548) contains no limits for environmental noise. Consequently, this report provides a noise map that estimates the site noise emission into the surrounding area based on on-site noise measurements. This assessment is of the period from 15 June 2019 to 14 June 2020.

The results of this assessment indicate that:

- Industrial noise emanating from operations at Wetherill Park RRF (reverse alarms, engine noise from plant and arriving/departing trucks) dominated the soundscape during the validation measurements.
- The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels.

Based on the above, SUEZ Recycling and Recovery need not implement noise mitigation to reduce environmental noise levels. We recommend that SUEZ Recycling and Recovery investigate the feasibility of using broad-band non-tonal reverse alarms on their mobile site plant at Wetherill Park RRF to minimise their potential environmental noise impact.

## TABLE OF CONTENTS

<b>Executive Summary</b>	<b>3</b>
<b>1. Introduction</b>	<b>5</b>
<b>2. Report Limitations and Disclaimer</b>	<b>6</b>
<b>3. Assessment</b>	<b>7</b>
3.1 Method	7
3.2 Surveys	7
3.3 Assessment	8
<b>4. Summary and Conclusions</b>	<b>9</b>
<b>Appendix A Background Information</b>	<b>10</b>
<b>Appendix B Site Source Term Data</b>	<b>13</b>

## LIST OF FIGURES

Figure 3.1: Measurement Location and Assessed Boundary Locations	7
Figure 3.2: $L_{Aeq,15m}$ noise contours - Day	8
Figure 3.3: $L_{Aeq,15m}$ noise contours - Night	8
Figure A.1: Routes of trucks	12

## LIST OF PHOTOGRAPHS

Photograph 3.1: Measurement Location	7
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## LIST OF TABLES

Table 3.1: Survey Results	8
Table 3.2: Assessment Results	8
Table A.1: Noise Sources	11
Table B.1: Noise Source Terms	14
Table B.3: Model validation survey results	15

## 1. Introduction

This report presents the findings of an Environmental Noise Assessment of SUEZ Recycling and Recovery's Wetherill Park RRF (Resource Recovery Facility) at 20 Davis Rd, Wetherill Park NSW 2164. The aim of this report is to assess the noise emission performance of the site. SUEZ Recycling and Recovery's EPL for Wetherill Park RRF (EPL 4548) contains no limits for environmental noise. Consequently, this report provides a noise map that estimates the site noise emission into the surrounding area based on on-site noise measurements. This assessment is of the period from 15 June 2019 to 14 June 2020.

The study follows the procedures and method outlined in our approved proposal<sup>1</sup>. Mghal Eather, Environment and Sustainability Business Partner at SUEZ Recycling and Recovery authorised the work. Calvin Dunn, Acoustician, and Toby Dudman, Principal Acoustician, from Hibbs conducted the assessment. Calvin Dunn conducted the site work. We wish to acknowledge, and express our gratitude, for the assistance provided by Mghal and all the staff at Wetherill Park RRF with conducting the surveys and assessments.

Appendix A has background information about the site. This includes a description of the site and activities, and data supporting the assessment.

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<sup>1</sup> Hibbs. *Proposal for Occupational and Environmental Noise Assessment*. Reference SQ8191-L01, 11/05/2020.



## 2. Report Limitations and Disclaimer

Hibbs & Associates Pty Ltd prepared this report for SUEZ Recycling and Recovery solely for the purposes set out herein and we do not intend that any other person use or rely on the contents of the Report. The information contained in this report is based on a limited review of the site, interviews with site personnel and review of documentation provided to Hibbs & Associates Pty Ltd at the time of the review. Whilst the information contained in the Report is accurate to the best of our knowledge and belief, Hibbs & Associates Pty Ltd cannot guarantee the completeness or accuracy of any of the descriptions or conclusions based on the information supplied to it or obtained during the investigations, site surveys, visits and interviews. Furthermore, conditions can change within limited periods of time, and this should be considered if the Report is to be used after any elapsed period subsequent to its issue.

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### 3. Assessment

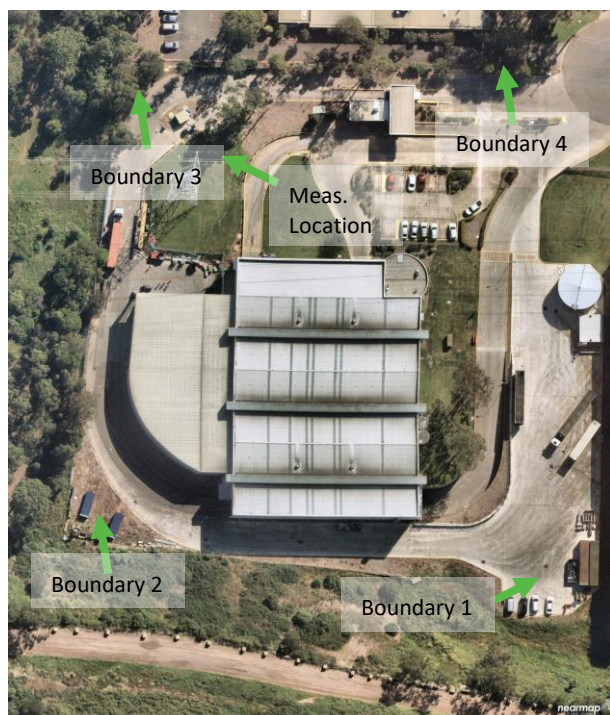
#### 3.1 Method

This assessment determined the site source terms from measurements around the site. We modelled noise emission using iNoise software implementing ISO 9613-2<sup>2</sup>. We verified the model with direct measurements at an intermediate location at the site where the source noise level is separate from the general ambient level. Appendix B describes the survey measurements and site source terms.

Although the EPL has no noise limits, we compared the site noise emission levels at the boundary following relevant guidance in the NSW Noise Policy for Industry (NPI)<sup>3</sup>. Table 2.2 in the NPI lists the recommended amenity noise trigger level as 70 dB  $L_{Aeq}$  for industrial receptors.

#### 3.2 Surveys

We conducted attended measurements at the site between 1100hrs and 1200hrs on 1 June 2020. These measurements were used to validate our noise model. It was slightly raining during some of the measurements. We measured weather conditions at the survey location with a Kestrel K4500 weather meter. This measurement location was downwind of the site during the survey. Industrial noise emanating from operations at Wetherill Park RRF (reverse alarms, engine noise from plant and arriving/departing trucks) dominated the soundscape during the validation measurements.



**Figure 3.1: Measurement Location and Assessed Boundary Locations**      **Photograph 3.1: Measurement Location**

<sup>2</sup> ISO 1996, ISO 9613-2 Acoustics - Attenuation of sound during propagation outdoors - Part 2 General method of calculation

<sup>3</sup> NSW Environmental Protection Agency (2017) *Noise Policy for Industry*. Environmental Protection Agency, Sydney.

**Table 3.1: Survey Results**

Start Time	$L_{Aeq,15min}$ (dB)	$L_{A10,15min}$ (dB)	$L_{A90,15min}$ (dB)	Temp. (deg C)	Wind speed (m/s)	Wind direction	Relative humidity (per cent)
11:00	64.2	67.2	58.8	16.6	0.4	S	87.6
11:30	67.4	69.2	63.4	16.5	0.6	WSW	87.9
11:45	65.2	68.3	57.2	15.9	0.5	SSW	89.6

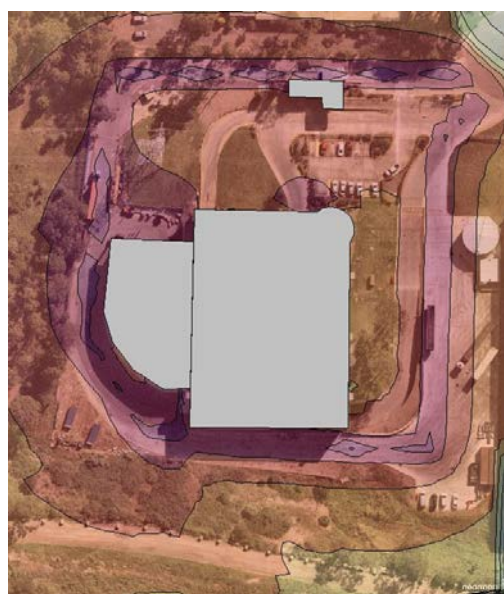
### 3.3 Assessment

Noise emissions from the site will vary throughout the day and from day to day due to the variations in site traffic, amount of operational plant and waste composition. The assessment (Table 3.2) calculated noise immissions during commonly occurring noisy 15 minute periods during the day and night operational conditions. Appendix B shows the assessment input data. The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels. Noise immissions at the boundaries will be lower than those calculated by this assessment most of the time.

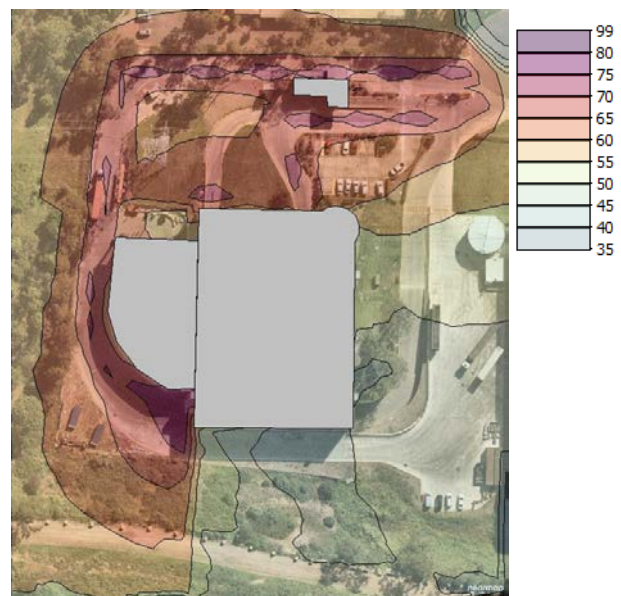
**Table 3.2: Assessment Results**

Assessment	Applicable Hours	Project Noise Trigger Level, $L_{Aeq,15min}$ (dB)	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 1	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 2	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 3	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 4
Day	0500-1800	70	64.5	67.9	69.1	69.5
Night	1800-0500	70	46.8	63.1	63.7	65

N.B. The NPI uses day (07-18), evening (18-20) and night (20-07) assessment periods when assessing impacts to residential receptors. The periods adopted for this assessment align with site operations because the project trigger noise level for industrial receptors is independent of the time of day.



**Figure 3.2:  $L_{Aeq,15m}$  noise contours - Day**



**Figure 3.3:  $L_{Aeq,15m}$  noise contours - Night**

## 4. Summary and Conclusions

The results of this assessment indicate that:

- Industrial noise emanating from operations at Wetherill Park RRF (reverse alarms, engine noise from plant and arriving/departing trucks) dominated the soundscape during the validation measurements.
- The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels.

Based on the above, SUEZ Recycling and Recovery need not implement noise mitigation to reduce environmental noise levels. Tonal reverse alarms on vehicles are more noticeable than broad-band non-tonal reverse alarms. We recommend that SUEZ Recycling and Recovery investigate the feasibility of using broad-band non-tonal reverse alarms on their mobile site plant at Wetherill Park RRF to minimise their potential environmental noise impact. Based on information provided in two papers about reversing alarms<sup>4 5</sup> presented at the Australian Acoustical Society's annual conference, we expect that a correctly installed broadband vehicle reversing signal will reduce the extent and likelihood of community annoyance noise complaint substantially while maintaining onsite safety by minimising the risk of a vehicle running over a worker. It is neither reasonable nor feasible for SUEZ Recycling and Recovery to control the type of reverse alarms on vehicles visiting Wetherill Park RRF.

---

<sup>4</sup> Burgess, M. & McCarty, M. 2009, *Effectiveness of non-tonal audible movement warning alarms for construction sites*, Australian Acoustical Society, Adelaide.

<sup>5</sup> Popoff-Asotoff, P., Holgate, J. & Macpherson, J. 2012, *Which is Safer – Tonal or Broadband Reversing Alarms?*, Australian Acoustical Society, Freemantle.



## Appendix A Background Information



## A.1 Site Description

Wetherill Park RRF is a waste transfer station. Waste is dropped off by commercial trucks and public vehicles, then compacted and loaded into trucks. There is also a baling machine which bales recyclable material, which is then loaded onto waiting trucks by a forklift.

Operations are 24-hours a day Monday-Friday. The site closes 1300 hrs on Saturdays and re-opens Sunday morning at 1000 hrs. The site contains plant including a bulldozer, excavators with grab arm, front end loader, forklifts, and a mini dozer with bucket broom. Most of this plant is operational during the day period. Night-time operations are restricted to only use of the bulldozer occasionally and the flow rate of trucks entering the site decreases.

**Table A.1: Noise Sources**

Name	Description	Operational times
Rubbish Trucks	Trucks arrive at the site, tip their load, and depart.	24 hours
Quad trucks	Loaded with waste to be transported.	0530-1600hrs
Bale trucks	Trucks are loaded with bales to be transported.	1500-1700hrs
Bulldozer	Flattens and organises waste. Use of bulldozer is reduced during the night period.	24 hours
Front-end loader	Flattens and organises waste.	0500-1800hrs
Excavators	There are two on site, they are used to disperse the waste and load trucks.	0500-1800hrs
Forklift	Loads bales onto trucks.	0500-1700hrs
Baling machine	Bales material. This is in a separate area to west of the main tipping area.	0500-1500hrs
Mini dozer with bucket broom	Used to clean the floor of the tipping area.	0500-1800hrs



**Figure A.1: Routes of trucks**



## Appendix B Site Source Term Data

## B.1 References

- ISO (2010) ISO 3744 *Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane*
- ISO (1996) ISO 9613-2 *Acoustics -- Attenuation of sound during propagation outdoors -- Part 2: General method of calculation*
- Geoscience Australia. Elevation and Depth - Foundation Spatial Data
- NearMap

## B.2 Site Source Terms

We determined the average diffuse internal sound pressure level ( $L_i$ ) for the tipping hall from the results of two logging sound level meters installed on opposite walls of the tipping hall. We selected time periods that matched plant activity representative of the assessment period. The source term is the spatial and temporal energetical average of the relevant data. The  $L_i$  for the baling shed was calculated from sample static measurements of each source within the shed. SUEZ Recycling and Recovery provided weighbridge data for the 1 June 2020. This was 114 vehicles for the 24-hour period. Based on this and observations on the day we determined the vehicle flow rates at Wetherill Park RRF that represent a commonly occurring noisy 15-minute period on a typical day.

### Day time:

- 3 trucks in 15-min
- dozer, grab and trucks unloading 100% of the time in the tipping hall
- baling machine operating and forklift loading an idling truck in baling shed 100% of the time

### Night-time:

- 1 truck in 15-min
- dozer running for 25% of the time in the tipping hall

**Table B.1: Noise Source Terms**

Source	Unit	Octave-Band Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
Tipping area (Day period)	$L_i$ (dB)	43.2	57.4	69.4	78.9	81.5	82.3	79.2	75.0
Tipping area (Night period)	$L_i$ (dB)	33.5	44.3	55.0	63.7	65.8	65.8	64.0	60.1
Baling area	$L_i$ (dB)	78.5	78.0	82.0	82.8	78.9	74.3	72.3	67.6
Moving truck	$L_w$ (dB)	101.7	106.6	101.2	99.8	100.7	101.5	97.9	92.4
Forklift	$L_w$ (dB)	102.0	102.6	100.3	99.3	97.3	93.8	91.4	88.2
Idling truck	$L_w$ (dB)	102.6	103.4	96.1	94.6	95.6	101.2	93.8	88.6

### B.3 Validation Survey

The measurements described in section 3.2 and Table 3.1 were commensurate with a noisy 15-minute daytime period matching the daytime assessment situation. Table B.2 shows that the model predicts noise emissions from the facility within 1 dB of the 95% upper confidence level of the measured noise levels. This demonstrates that the model is robust and representative of the upper range of emissions.

**Table B.2: Model validation survey results**

Daytime assessment situation	Noise level, LAeq,15m (dB)
Model result	68.2
95% upper confidence of measured levels	69.1



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## | SUEZ RECYCLING AND RECOVERY |

### OCCUPATIONAL NOISE ASSESSMENT

REFERENCE NO. S11308-R1

WETHERILL PARK RRC | 04 JUNE 2020

**Occupational Noise Assessment**

20 Davis Rd, Wetherill Park NSW 2164

Prepared for

**SUEZ Recycling and Recovery**

20 Davis Rd, Wetherill Park NSW 2164

by

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Our Reference: S11308-R1

Prepared by:

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Reviewed by:

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Principal Acoustician**



Date: 04 June 2020

## Executive Summary

SUEZ Recycling and Recovery requested an Occupational Noise Assessment of workers at Wetherill Park RRF (Resource Recovery Facility), 20 Davis Rd, Wetherill Park NSW 2164. This report presents the findings of the assessment from site survey field measurements and observations conducted on 21 May 2020.

The main aims of the assessment were to:

- Conduct noise measurements to determine typical levels associated with normal operations and normal use of equipment.
- Observe work procedures with respect to noise exposure.
- Determine typical daily noise exposures following the WHS Regulation.
- Review the current noise controls, including hearing protection and signage.
- Where required, recommend actions to mitigate hazardous noise exposure in the work place.

The results of this assessment show that the daily noise exposure for both the Supervisor SEG and Operator SEG is likely to slightly exceed the exposure standard.

The WHS Regulations require SUEZ Recycling and Recovery to implement controls at Wetherill Park RRF to reduce noise exposures as far as practicable and below the exposure standard for noise following the hierarchy of controls. Workers must adopt good working practices to control their noise exposure. SUEZ Recycling and Recovery must provide workers with information and training on how to do this. Management must reassess workers' noise exposures following any changes to plant, equipment and/or work practices that could affect noise levels and at least every five years.

We recommend the following based on the results obtained and field observations:

- Workers must wear correct personal hearing protection to control their noise exposures when using tools and machines.
  - Based on the current information, class 1 earplugs or earmuffs would provide workers with an appropriate amount of attenuation for most activities without over-protection
- Appropriate signage at all entrances to the work areas reminding workers to wear hearing protection needs to be installed.
- SUEZ Recycling and Recovery must supply regular audiometric assessments and training on the hearing conservation programme in place at Wetherill Park RRF to all workers that need to wear hearing protection.

Effective implementation of these recommendations will ensure that SUEZ Recycling and Recovery manage the risk of exposure to occupational noise for the assessed workgroups and processes so far as is reasonably practicable in line with the obligations of the WHS Regulations and relevant industry guidelines.

## TABLE OF CONTENTS

<b>Executive Summary</b>	<b>3</b>
<b>1. Introduction</b>	<b>5</b>
<b>2. Report Limitations and Disclaimer</b>	<b>6</b>
<b>3. Methodology</b>	<b>7</b>
3.1 Site Description	7
3.2 Sampling Strategy	7
<b>4. Results, Observations and Discussion</b>	<b>9</b>
4.1 Controls	9
4.2 Audiometric Tests and Training	10
<b>5. Conclusions and Recommendations</b>	<b>11</b>
<b>Appendix A Noise in the Workplace</b>	<b>12</b>
<b>Appendix B Individual PSEM Results</b>	<b>17</b>
<b>Appendix C Noise Levels at Wetherill Park RRF</b>	<b>20</b>

## LIST OF FIGURES

Figure A.1: Noise Duration and Level Resulting in Exposure Standard	14
Figure A.2: Hierarchy of Noise Controls	15

## LIST OF PHOTOGRAPHS

Photograph 3.1: Bulldozer compacting waste	7
Photograph 3.2: Excavator with grab arm and front-end loader	7

## LIST OF TABLES

Table 3.1: PSEM Survey Details	7
Table 4.1: Assessment Results	9
Table A.1: Hearing Protection Classification Method	16
Table B.1: Individual PSEM Results	18
Table C.1: Noise levels at Wetherill Park RRF	21



## 1. Introduction

SUEZ Recycling and Recovery requested an Occupational Noise Assessment of workers at Wetherill Park RRF (Resource Recovery Facility), 20 Davis Rd, Wetherill Park NSW 2164. This report presents the findings of the assessment from site survey field measurements and observations conducted on 21 May 2020.

This assessment forms part of their ongoing commitment to a safe and healthy work environment and to follow relevant work health and safety regulation. The assessment was authorised by Mghal Eather, Environmental and Sustainability Business Partner at SUEZ Recycling and Recovery. Mr. Calvin Dunn, Acoustician from Hibbs conducted the site work and assessment. We wish to acknowledge and express our gratitude for the help provided by Mghal, Steve and all the staff at Wetherill Park RRF with conducting the surveys and assessments.

The study follows the procedures and method outlined in our approved proposal<sup>1</sup>. The main aims of the assessment were to:

- Conduct noise measurements to determine typical levels associated with normal operations and normal use of equipment.
- Observe work procedures with respect to noise exposure.
- Determine typical daily noise exposures following the WHS Regulation.
- Review the current noise controls, including hearing protection and signage.
- Where required, recommend actions to mitigate hazardous noise exposure in the work place.

This report begins with a description of the survey and assessment method. The next section presents the results of the survey followed by an interpretive discussion. The report concludes with recommendations for controls and actions where required. Appendix A has general background information on occupational noise assessment, exposure standard and controls.

---

<sup>1</sup> Hibbs. *Proposal for Occupational and Environmental Noise Assessment*. Reference SQ8191-L01, 11/05/2020.

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### 3. Methodology

#### 3.1 Site Description

Wetherill Park RRF is a waste transfer station. Waste is dropped off by commercial trucks and public vehicles, then compacted and loaded into trucks. There is also a baling machine which bales recyclable material. Forklifts then load bales onto waiting trucks.

Operations are 24-hours at the site. Workers work an eight-hour shift. Workers rotate between operating the bulldozer, excavators with grab arm, front end loader, forklifts, and mini dozer with bucket broom. All workers spend most of their shifts in an enclosed cabin. Radio contact is essential in this workplace.



**Photograph 3.1: Bulldozer compacting waste**



**Photograph 3.2: Excavator with grab arm and front-end loader**

#### 3.2 Sampling Strategy

The assessment comprised Personal Sound Exposure Meter (PSEM) surveys. Workers wore PSEMs following AS 1269.1:2005 for a representative period of their shift while they conducted typical duties.

**Table 3.1: PSEM Survey Details**

Name	SEG	Make	Model	Serial Number	Survey Start	Survey End	Survey Duration (Hours)
Steve Buchanan	Supervisor	Svantek	SV 104	75228	21/05/20 08:37	21/05/20 13:36	5.0
Bryan Davis	Operator	Svantek	SV 104	75231	21/05/20 08:41	21/05/20 13:32	4.8
Adam Kelly	Operator	Svantek	SV 104	75233	21/05/20 08:41	21/05/20 13:32	4.8
Ashley Hayes	Operator	Svantek	SV 104	75236	21/05/20 08:40	21/05/20 13:31	4.9

The assessment has determined the daily noise exposure from the measured data following the relevant WHS Regulation and following the methods contained within AS 1269<sup>2,3</sup> and ISO 9612<sup>4</sup>. The assessment uses Similarly Exposed Groups (SEGs). A SEG is a group of workers that are performing the same job and have similar noise exposures during the working day. Combining data from several workers within the same SEG increases the statistical confidence of the assessment result. Combining data from workers that have conducted different tasks from a common job description enables the assessment to determine a control for all workers that takes account of the variation in noise exposures within the SEG.

The uncertainty calculation considers instrumentation, measurement location and level variations during the measured shift. Calibration status of all equipment used in the survey met the requirements of AS 1269-1:2005. The acoustics engineer conducted reference level checks of the noise meters before and after the measurements, the results of which were within acceptable tolerance values.

Measurements with a Svantek SV979 sound level meter (SLM) were also taken to assist in quantifying the noise levels at Wetherill Park RRF.

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2 AS 1269.0 2005, Occupational noise management. Part 0: Overview and general requirements.

3 AS 1269.1 2005, Occupational noise management. Part 1: Measurement and assessment of noise immission and exposure.

4 ISO 9612 2009, Acoustics — Determination of occupational noise exposure — Engineering method.

## 4. Results, Observations and Discussion

Appendix B has the individual results of the PSEM surveys. We treat peak ( $L_{C, peak}$ ) levels from impulsive sources (bangs, clatters etc.) measured with a PSEM with caution. False contributions from knocks and clothing rubbing the microphone are likely. There were no peaks greater than 140 dB  $L_{C, peak}$  in the PSEM data. We did not see any impulsive noise sources likely to give rise to immissions greater than 140 dB  $L_{C, peak}$  during the survey.

The WHS Regulations require SUEZ Recycling and Recovery to implement controls at Wetherill Park RRF to reduce noise exposures as far as practicable and below the exposure standard for noise following the hierarchy of controls. Appendix A has a general discussion about noise controls. The Code of Practice (CoP)<sup>5</sup> provides further information about noise controls. Workers must adopt good working practices to control their noise exposure. SUEZ Recycling and Recovery must provide workers with information and training on how to do this. Management must reassess workers' noise exposures following any changes to plant, equipment and/or work practices that could affect noise levels and at least every five years.

**Table 4.1: Assessment Results**

SEG	Shift Length (Hours)	$L_{Aeq,8hr}$ (dB)	$U$ (dB)
Supervisor	8	81.4	4.2
Operator	8	82.1	3.2

The results of this assessment show that the daily noise exposure for both the Supervisor SEG and Operator SEG is likely to slightly exceed the exposure standard.

### 4.1 Controls

Appendix A describes elimination and substitution controls that SUEZ Recycling and Recovery should implement at Wetherill Park RRF. There are no practicable additional isolation and engineering controls that SUEZ Recycling and Recovery could implement at Wetherill Park RRF.

Workers must wear correct personal hearing protection to control their noise exposures when using tools and machines. Currently the operators are supplied with class 5 ear plugs. These workers are currently in enclosed cabins for most of their shifts and radio communication is essential. On this basis, class 5 earplugs would be overprotection. See section A.3.3 for more information on this. Based on the current information, class 1 earplugs or earmuffs would provide workers with an appropriate amount of attenuation for most activities without over-protection and should not interfere significantly with communication and spatial awareness. Hearing protection improves spoken communication in noisy places. The effect is comparable to wearing sunglasses. That is, it is easier to see in strong sunlight when sunglasses reduce the overall light levels.

Appropriate signage at all entrances to the work areas reminding workers to wear hearing protection needs to be installed. Signage must be in accordance with AS 1319<sup>6</sup>.

<sup>5</sup> SafeWork NSW 2019, Code of Practice – Managing noise and preventing hearing loss at work.

<sup>6</sup> Standards Australia 2018, AS 1319-1994 (R2018) *Safety signs for the occupational environment*



## **4.2 Audiometric Tests and Training**

SUEZ Recycling and Recovery must supply regular audiometric assessments and training on the hearing conservation programme in place at Wetherill Park RRF to all workers that need to wear hearing protection.

New workers should have audiometric assessments before starting work but certainly within three months. Existing should then have audiometric assessments at least every two years. The CoP suggests the subjects that training should cover.

## 5. Conclusions and Recommendations

The results of this assessment show that the daily noise exposure for both the Supervisor SEG and Operator SEG is likely to slightly exceed the exposure standard.

The WHS Regulations require SUEZ Recycling and Recovery to implement controls at Wetherill Park RRF to reduce noise exposures as far as practicable and below the exposure standard for noise following the hierarchy of controls. Workers must adopt good working practices to control their noise exposure. SUEZ Recycling and Recovery must provide workers with information and training on how to do this. Management must reassess workers' noise exposures following any changes to plant, equipment and/or work practices that could affect noise levels and at least every five years.

We recommend the following based on the results obtained and field observations:

- Workers must wear correct personal hearing protection to control their noise exposures when using tools and machines.
  - Based on the current information, class 1 earplugs or earmuffs would provide workers with an appropriate amount of attenuation for most activities without over-protection
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- SUEZ Recycling and Recovery must supply regular audiometric assessments and training on the hearing conservation programme in place at Wetherill Park RRF to all workers that need to wear hearing protection.

Effective implementation of these recommendations will ensure that SUEZ Recycling and Recovery manage the risk of exposure to occupational noise for the assessed workgroups and processes so far as is reasonably practicable in line with the obligations of the WHS Regulations and relevant industry guidelines.



## Appendix A Noise in the Workplace

## A.1 Regulations, Standards and Guidelines

The following documents provide the regulatory framework, national standards and guidance for occupational noise assessment:

- Work Health and Safety Act 2011
- Work Health and Safety Regulation 2017
- Safe Work NSW (2016) Work Health and Safety (Managing Noise and Preventing Hearing Loss at Work) Code of Practice 2016 ('the CoP')
- AS/NZS 1269:2005 Occupational noise management
  - Part 0: Overview and general requirements
  - Part 1: Measurement and assessment of noise immission and exposure
  - Part 2: Noise control management
  - Part 3: Hearing protector program
- ISO 9612:2009 Acoustics — Determination of occupational noise exposure.

The CoP provides a practical guide to achieving the standards of health, safety and welfare required under the WHS Act and Regulations. The CoP also provides information about the health effects of occupational noise, its assessment and aspects of control. The CoP is available free of charge from the Safe Work NSW website<sup>7</sup>.

## A.2 Exposure Standard for Noise

Clause 56 of the WHS Regulation (2017) specifies the exposure standard for noise and states:

56        *Meaning of “exposure standard for noise”*

*(1) In this Regulation, exposure standard for noise, in relation to a person, means:*

*(a)  $L_{Aeq,8h}$  of 85 dB(A), or*

*(b)  $L_{C, peak}$  of 140 dB(C).*

*(2) In this clause:*

*$L_{Aeq,8h}$  means the eight-hour equivalent continuous A-weighted sound pressure level in decibels (dB(A)) referenced to 20 micropascals, determined in accordance with AS/NZS 1269.1:2005 (Occupational noise management—Measurement and assessment of noise immission and exposure).*

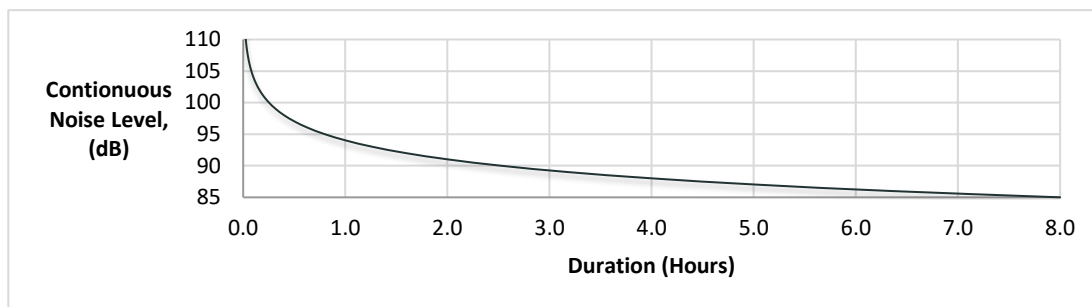
*$L_{C, peak}$  means the C-weighted peak sound pressure level in decibels (dB(C)) referenced to 20 micropascals, determined in accordance with AS/NZS 1269.1:2005 (Occupational noise management—Measurement and assessment of noise immission and exposure).*

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<sup>7</sup> [http://www.safework.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0017/50075/Managing-noise-and-preventing-hearing-loss-at-work-code-of-practice-SW08160-0316-313932.pdf](http://www.safework.nsw.gov.au/__data/assets/pdf_file/0017/50075/Managing-noise-and-preventing-hearing-loss-at-work-code-of-practice-SW08160-0316-313932.pdf)

There is a big range in different people’s susceptibility to hearing loss from noise. The CoP states that research shows that 8-hour average daily noise exposure levels below 75 dB  $L_{Aeq,8h}$  or instantaneous peak noise levels below 130 dB  $L_{C, peak}$  are unlikely to cause hearing loss. The risk becomes greater with progressively increasing levels. The noise exposure standard set in the WHS Regulation protects most but not all people. Therefore, duty holders should keep workplace noise below the exposure standard for noise if reasonably practicable. Unprotected exposure to high levels of noise, even if only for a short duration, can damage a person’s hearing capability.

The exposure standard for noise uses a logarithmic scale in decibels. This means that a 3 dB increase in noise level corresponds to a doubling in sound energy. Figure A.1 shows the relationship between continuous noise level and minimum exposure duration that results in an exceedance of the noise exposure standard of 85 dB  $L_{Aeq,8h}$ .



**Figure A.1: Noise Duration and Level Resulting in Exposure Standard**

The WHS Act and WHS Regulations, respectively, state:

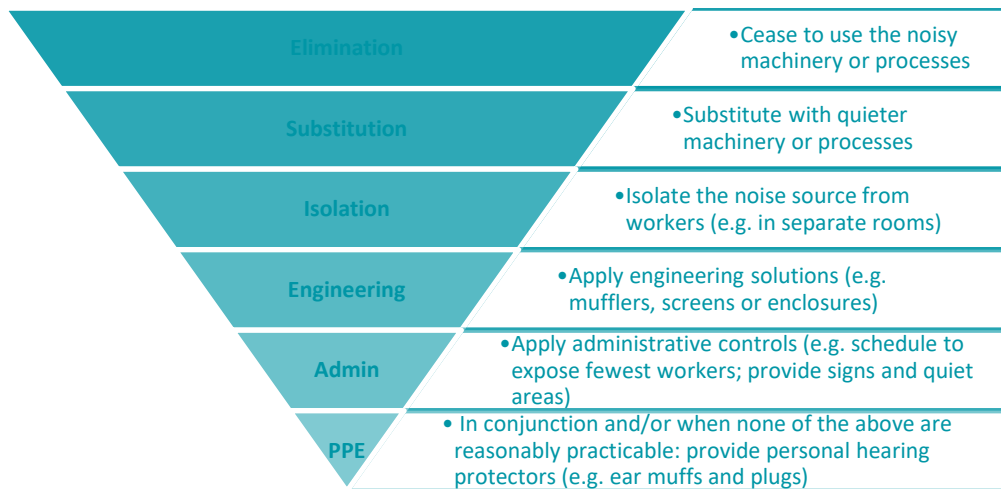
*Section 19: A person conducting a business or undertaking must ensure, so far as is reasonably practicable, that information, training and instruction is provided to workers and others at the workplace to protect them from health and safety risks.*

*Regulation 39: The information, training and instruction must, so far as is reasonably practicable, be provided in a way that can be easily understood by any person to whom it is provided.*

### A.3 The Hierarchy of Controls

The WHS Regulations (Chapter 3 Part 3.1) require duty holders to work through a hierarchy of control to choose the control measure that most effectively eliminates or minimises the risk in the circumstances. The hierarchy ranks the ways of controlling the risk of hearing loss from noise from the highest level of protection and reliability to the lowest. Duty holders should consider the most effective (high level) controls first. Effective risk control may involve a single control measure or a combination of two or more different controls. Duty holders must review and, if necessary, revise noise control measures to make sure they work as planned.





**Figure A.2: Hierarchy of Noise Controls**

### A.3.1 Elimination and Substitution Controls

Elimination and substitution controls focus on the noise sources. Appropriate elimination and substitution controls are to use the quietest appropriate tool/equipment/process for the task. Management and workers should review operational procedures and working methods to ensure that they are commensurate with best practice for occupational health and safety, including noise.

Noise emission should be a consideration of the purchasing process for new vehicles, plant, machinery and tools. The CoP provides further information. Workers and management should review workshop tools regularly and remove or replace noisy and unnecessary equipment.

Workers and/or maintenance contractors should maintain plant, tools and vehicles in accordance with the manufacturer's recommendations to ensure that they do not produce additional or elevated noise. For example, casings must fit properly so that they do not rattle, and any mufflers are performing as designed so that absorbent material has not become absent, moved or clogged with dirt. Workers should notify management when equipment sounds different as this may indicate elevated noise emissions and maintenance, repair or replacement is necessary.

### A.3.2 Isolation and Engineering Controls

Isolation and engineering controls focus on the transmission of noise. In general, controls include:

- Locating noisy equipment/processes in separate rooms to workers.
- Surrounding noisy equipment/processes with acoustically absorbent barriers.
- Reduction in reverberant noise.

### A.3.3 Personal Hearing Protection

Management must prioritise engineering and isolation controls before PPE controls. If practicable, workplaces should not adopt multiple classes of hearing protection. AS 1269-3:2005 provides advice for management when choosing hearing protection. An effective hearing protection programme requires liaison with and cooperation from workers.

Wearing the right level of hearing protection improves vocal communication in noisy environments. The effect is comparable to wearing sunglasses. That is, it is easier to see in strong sunlight when sunglasses reduce the overall light levels.

Overprotection is wearing a class of hearing protection greater than required by the noise exposure. Overprotection increases the risk that workers do not hear important alert signals, warning shouts and moving vehicles. Overprotection impairs communication and workers can feel isolated due to the lack of spatial awareness. That can lead to a tendency for workers not wearing hearing protection or resenting them.

Table A.1 shows the appropriate classes of hearing protection for various ranges of noise exposure. This method is from AS 1269-3:2005 and is suitable for broadband noise immissions that do not include impulses above the exposure standard. We have modified the method to use the upper limit of the noise exposure (i.e.  $L_{Aeq,8h}+U$  for a one-sided coverage probability of 95 per cent,  $k = 1.65$ ).

**Table A.1: Hearing Protection Classification Method**

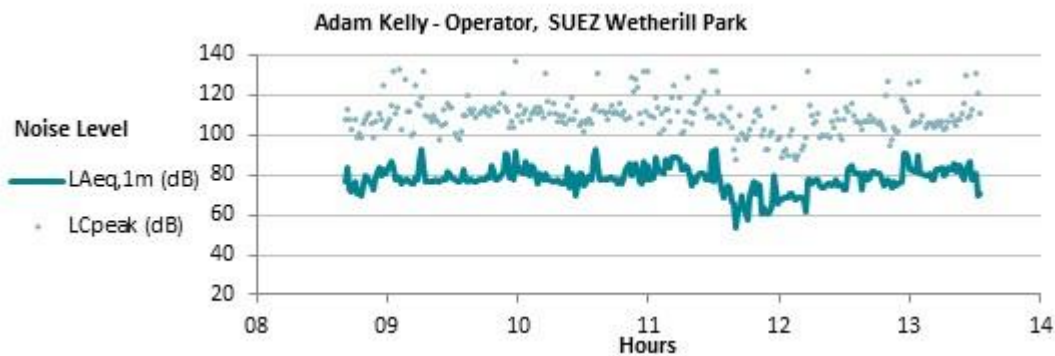
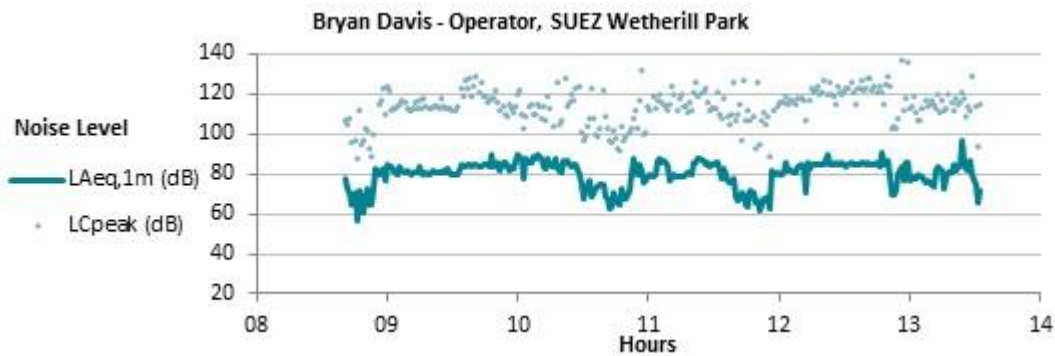
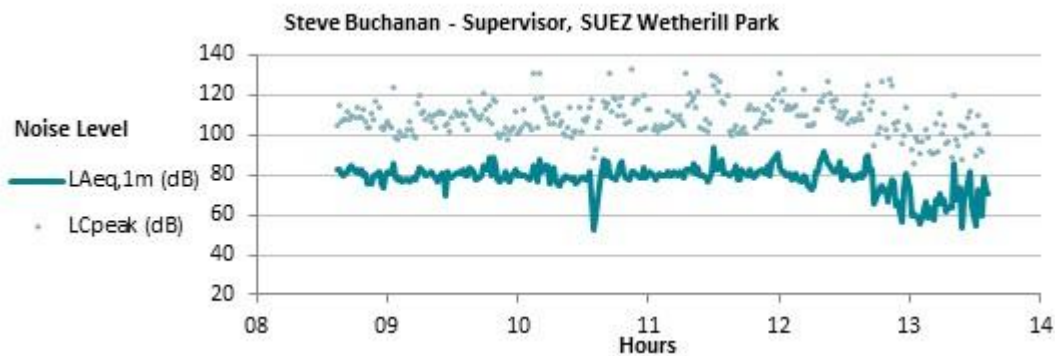
Class	$L_{Aeq,8h}+U$ (dB)
1	< 90
2	90 to < 95
3	95 to <100
4	100 to <105
5	105 to <110

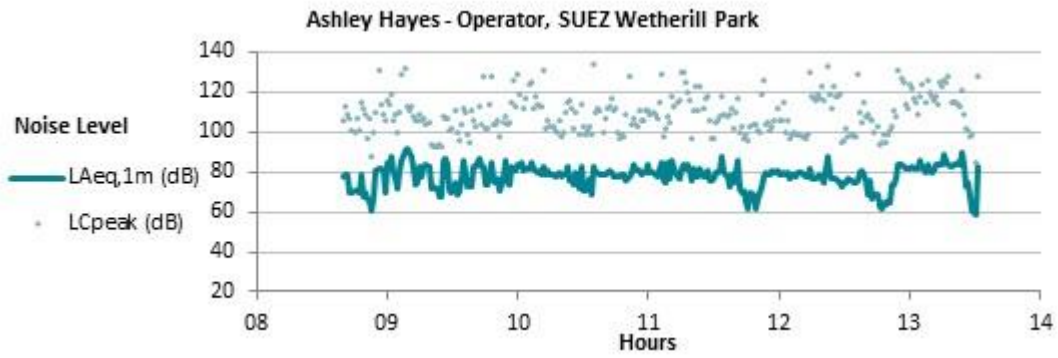


## Appendix B Individual PSEM Results

**Table B.1: Individual PSEM Results**

Name	SEG	$L_{Aeq,8h}$ (dB)	$U$ (dB)
Steve Buchanan	Supervisor	81.4	4.2
Bryan Davis	Operator	83.3	3.6
Adam Kelly	Operator	82.0	-
Ashley Hayes	Operator	80.8	3.5









**Appendix C Noise Levels at Wetherill Park RRF**

**Table C.1: Noise levels at Wetherill Park RRF**

Filename	Source	Elapsed time (hh:mm:ss)	$L_{Aeq}$ (dB)	$L_{Cpeak}$ (dB)	$L_{Ceq}$ (dB)
183	Shipping container truck departing	0:00:40	77.3	106.5	84.4
184	SUEZ truck idling	0:00:16	84	102.2	87.2
185	Bulldozer	0:00:58	87.9	109	92.4
186	Front-end loader	0:01:00	89.5	109.4	93.7
187	Bulldozer	0:01:00	89.6	109.2	93.4
188	Bulldozer	0:00:21	89.4	108.1	92.8
189	Bulldozer	0:01:00	88.6	106.9	92.6
190	Bulldozer	0:01:00	87.2	107.3	90.8
191	Bulldozer	0:01:00	87.9	108.7	91.5
192	Mini-dozer with broom bucket	0:01:00	84.6	112	89.1
193	Mattress truck tipping	0:00:21	81.2	101	85.4
194	Excavator with grab arm	0:01:00	86.5	110.6	92.8
195	Excavator with grab arm	0:00:27	88.6	112.4	91.4
196	Rubbish truck tipping	0:01:00	82.4	105.1	87.5
197	Rubbish truck tipping	0:01:00	82	104.8	88.5
198	Rubbish truck tipping	0:01:00	83.7	108.4	91.1
199	Rubbish truck departing	0:00:21	85.4	109.4	89.2
200	Excavator with grab arm	0:01:00	82.7	117.7	88.7
201	Rubbish truck departing	0:01:00	83.1	106.3	88.7
202	Excavator with grab arm	0:01:00	82.3	104.7	87.4
203	Small truck tipping	0:00:40	79.7	111.4	83.2
204	Forklift loading truck	0:00:38	72.1	99.3	79.7
205	Baling machine	0:01:00	79.3	106.5	85.4
207	Forklift loading truck	0:00:21	79.9	103.9	87.3
208	Idling mini dozer	0:00:21	71.5	97.5	87
209	Rubbish truck tipping	0:00:28	79.1	105.2	90.7
210	Rubbish truck idling	0:00:07	69.8	99.8	86.5

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**APPENDIX I      TRADE WASTE AGREEMENT AND DATA**

# Consent to discharge industrial trade wastewater



**Consent to Discharge Industrial Trade Wastewater**

**SYDNEY WATER CORPORATION**

and

**SUEZ RECYCLING & RECOVERY PTY LTD**

**A.B.N. 70 002 902 650**

**ACTIVITY: WASTE TRANSFER STATIONS (GE08)**

**RISK INDEX: 07**

**CONSENT NO: 7976**

**CONNECTION NO: 1**

**PROPERTY NUMBER: 4477822**

This **CONSENT** is made on  
Executed for and on behalf of  
Sydney Water Corporation

day: 7 month: 6 year: 2017

By



.....  
(Signature)

Caleb Furner  
Manager Major Customers

In the presence of:

Witness

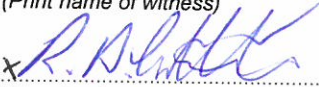


.....  
(Signature)

John Mawbey

.....  
(Print name of witness)

Executed for and on behalf of  
the Customer:



.....  
(Signature)

By

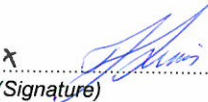
ROBERT COLTHARD SITE MANAGER.

.....  
(Print name and position of person signing)

who warrants s/he has sufficient authority to execute this consent.

In the presence of:

Witness



.....  
(Signature)

Jacquie Simmons

.....  
(Print name of witness)

This consent must be executed by the Customer prior to execution by Sydney Water and submitted by the Customer to Sydney Water for its consideration. Submission of a consent executed by the Customer under no circumstances obliges Sydney Water to enter into or complete the consent. Submission of an executed consent by the Customer constitutes an application for a consent which Sydney Water may in its reasonable discretion reject, or with the consent of the Customer modify any of the proposed terms thereto.

# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 1

(SUBJECT TO PUBLIC DISCLOSURE)

### TRADE WASTEWATER WHICH MAY BE DISCHARGED

#### 1. Trade wastewater substances

- (a) The Customer may discharge trade wastewater into the Sewer in a manner whereby the substance characteristics of the trade wastewater are of a type and discharged at a rate, level or concentration equal to or less than that described in this schedule.
- (b) The Customer must not discharge trade wastewater into the Sewer in a manner whereby the trade wastewater discharged;
- (i) contains, possesses or produces a substance characteristic not provided in, or which may be determined as being contrary to that described in this schedule.
- (ii) is at or of a rate, level, or concentration not provided in, or which may be determined as being contrary to, that described in this schedule.

SUBSTANCE	LTADM (kg/day)	MDM (kg/day)	Standard (mg/L)
AMMONIA (AS N)	0.011	0.06	100
BIOCHEMICAL OXYGEN DEMAND	0.9	1.56	
SUSPENDED SOLIDS	0.4	1	600
GREASE	0.005	0.044	110
SULPHATE	0.05	0.5	2000
ALUMINIUM	0.06	0.18	100
IRON	0.015	0.075	50
ZINC	0.0013	0.003	5

#### RECONCILIATION PROCEDURES:

##### LONG TERM AVERAGE DAILY MASS:

The Long Term Average Daily Mass is a twelve month arithmetic average of ALL daily mass discharges as calculated for each composite sample. The Daily Mass discharged is to be calculated for each of the above substances, and checked against the above Long Term Average Daily Mass (kg/day) on the basis of average concentrations of substances discharged (mg/L) over any 24 hour period as determined from composite samples, obtained by either the Customer (in accordance with Schedule 2) or Sydney Water, or a combination of sample results by both.

This average concentration (mg/L) is to be multiplied by the total discharge (kL) as recorded by the Customer's discharge flow meter over the 24 hour period in order to calculate the Daily Mass of substances discharged (kg). Exceeding the Long Term Average Daily Mass does not constitute a Breach.

##### ACCEPTANCE STANDARD:

The Composite Sample Concentration is to be determined for each of the above substances, and checked against the above Acceptance Standard (mg/L) for each sample obtained. Exceeding the Acceptance Standard constitutes a Breach and will also incur an increased Quality Charge as detailed in Schedule 3.

The Discrete Sample Concentration is to be determined for each of the substances identified at Schedule 2, 2 (b) and checked against the above Acceptance Standard (mg/L) for each sample obtained. Exceeding the Acceptance Standard constitutes a Breach.

##### MAXIMUM DAILY MASS:

The Daily Mass discharged is to be calculated for each of the above substances, and checked against the above Maximum Daily Mass (kg/day) on the basis of average concentrations of substances discharged (mg/L) over any 24 hour period as determined from composite samples, obtained by either the Customer (in accordance with Schedule 2) or Sydney Water, or a combination of sample results by both.

This average concentration (mg/L) is to be multiplied by the total discharge (kL) as recorded by the Customer's discharge flow meter over the 24hour period in order to calculate the Daily Mass of substances discharged (kg). Exceeding the Maximum Daily Mass constitutes a Breach.

## Consent to Discharge Industrial Trade Wastewater

### 2. The trade wastewater discharged must at all times have the following properties:

- Temperature - Not to exceed 38 degrees Celsius.
- Colour - Determined on a system specific basis
- pH - Within the range 7.0 to 10.0.
- Fibrous material - None which could cause an obstruction to Sydney Water's sewerage system.
- Gross solids (other than faecal) - A maximum linear dimension of less than 20 mm, a maximum cross section dimension of 6 mm, and a quiescent settling velocity of less than 3 m/h.
- Flammability - Where flammable and/or explosive substances may be present, the Customer must demonstrate to the satisfaction of Sydney Water that there is no possibility of explosions or fires occurring in the sewerage system. The flammability of the discharge must never exceed 5% of the Lower Explosive Limit (LEL) at 25° Celsius.

### 3. Rate of discharge of waste to sewer:

- (a) Instantaneous maximum rate of pumped discharge 1.5 litres per second
- (b) Maximum daily discharge 2 kilolitres
- (c) Average daily discharge 1 kilolitres

### RECONCILIATION PROCEDURE:

The data obtained from applying these procedures is to be checked by the interface of a chart recorder to the Customer's flow metering equipment, or by the installation of flow metering equipment by Sydney Water, for a minimum of 7 days.



# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 2

(SUBJECT TO PUBLIC DISCLOSURE)

### SAMPLING, ANALYSIS, FLOW RATES AND VOLUME DETERMINATION

1. The Customer must provide and make available for the purpose of sampling and analysis;
  - (a) Sampling point located at the pre-treatment discharge point excluding domestic sewage prior to the point of connection to the Sewer.
  - (b) Equipment necessary to allow collection of composite automatic samples on either a flow proportional or a time basis.
  
2. The Customer is to undertake collection and analysis of samples in accordance with the schedule detailed below:
  - (a) Composite samples are to be obtained:
    - (i) over one full production day by combining equal volumes taken at 60 minute intervals. The volumes are to be such that at least 5,000 millilitres are obtained over the full day. The reading of the Flowmeter meter is to be obtained at the commencement and conclusion of the sampling day.
    - (ii) on 15 September 2017 and every 90 days thereafter. If trade wastewater is not discharged on this day, then the sample is to be taken on the next day that trade wastewater is discharged. Trade wastewater includes all non-domestic wastewater discharged to sewer from the premises, including cleaning waste.
  - (b) Discrete samples are to be obtained as detailed below, and analysed according to the procedures and methods specified in Sydney Water's published analytical methods, to determine the concentrations or levels of the following substance characteristics:

pH at the start and finish of each sample day
  - (c) Composite samples are to be analysed according to the procedures and methods specified in Sydney Water's published analytical methods, or methods otherwise agreed to and detailed hereunder, to determine the concentrations or levels of the following substance characteristics

AMMONIA (AS N)  
BIOCHEMICAL OXYGEN DEMAND  
SUSPENDED SOLIDS  
GREASE  
SULPHATE  
ALUMINIUM  
IRON  
ZINC
  - (d) The Customer, or the laboratory contracted by the customer, is to submit results of analyses to Sydney Water within 21 days from the date the sample was taken. All analysis results are to be submitted on the sample analysis report provided as appendices 1 and 2 to this Consent or in such format as may be specified from time to time by Sydney Water.
  - (e) All data requested on the sample analysis report must be provided.
  - (f) Sydney Water must be notified in writing within 7 days of;
    - (i) any failure to obtain samples in accordance with the provisions of Schedule 2; or
    - (ii) any loss of any analytical data.

Where data is unavailable, lost or not provided, the Quality Charge, as detailed in Schedule 3, will be assessed on the basis of the highest Composite Sample concentration recorded in the 12 months prior to the date of the missing sample data.

## Consent to Discharge Industrial Trade Wastewater

3. The volume of wastewater discharged must be obtained from the reading of the total flow on the Customer's flow metering system.

The rate of waste discharged is to be obtained by the reading of the instantaneous flow rate indicator on the Customer's flow metering system, or from any chart recorder interfaced to the Customer's flow metering system.

The flow metering system is to be calibrated at least annually at the Customer's expense, by a person or company approved by Sydney Water and a copy of the calibration certificate supplied to Sydney Water within one month of such certificate being received by the Customer.

If the Customer's flow metering system fails to record data for any period, Sydney Water is to be advised in writing by the Customer within 7 days of any such failure becoming known by the Customer. An estimate of any data not recorded is to be made as follows:

Average of the waste discharged, registered for the four weeks before and/or after the failure to record.



# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 3 (SUBJECT TO PUBLIC DISCLOSURE) PAYMENTS

The charges are effective from 1 July 2017 and will continue until otherwise advised by Sydney Water.

All trade waste fees and charges are subject to CPI adjustments from 1 July each year in accordance with Determination No 1, 2012 made by the Independent Pricing and Regulatory Tribunal (IPART) and are detailed in fact sheets on the Sydney Water website.

### 1. CHARGES FOR TRADE WASTEWATER DISCHARGE

Sydney Water will conduct a reading of the Customer's discharge meter at approximately 90 day intervals. The volume of trade wastewater discharged for the period since the previous reading will be calculated.

Charges are based on the Daily Mass calculated from composite samples and corresponding meter readings for each sampling day in the billing period, and calculated in accord with (c), (d), (e), and (f) below. The charge for each sampling day is then multiplied by a flow weighting factor to give a flow weighted charge. The total charge for each substance for the billing period is equal to the sum of the flow weighted charges for the billing period.

Total Charge = the sum of the flow weighted charges for the billing period

Flow Weighted Charge = (charge for all sample days) x (flow weighting factor) and:

$$\text{Flow Weighting Factor} = \frac{\text{(total volume discharged during billing period)}}{\text{(sum of volumes discharged during all sample days during billing period)}}$$

In this formula volume discharged refers to the volume of trade wastewater discharged.

#### (a) Mass Discharged:

For each substance, the Mass Discharged is calculated by multiplying the Composite Sample concentration by the Trade Wastewater discharge for that sample day.

#### (b) Chargeable Trade Waste Mass:

(i) For the following substances, the Chargeable Trade Waste Mass is equal to the Mass Discharged:

**SUBSTANCE**  
ALUMINIUM  
IRON  
ZINC

(ii) For the following substances, the Chargeable Trade Waste Mass is calculated by subtracting the Equivalent Domestic Mass from the Mass Discharged. The Equivalent Domestic Mass is defined as the Domestic Concentration multiplied by the Trade Wastewater discharge.

<b>SUBSTANCE</b>	<b>DOMESTIC CONCENTRATION</b> <b>mg/L</b>
AMMONIA (AS N)	35
BIOCHEMICAL OXYGEN DEMAND	230
SUSPENDED SOLIDS	200
GREASE	50
SULPHATE	50

If the resulting Chargeable Trade Waste Mass is zero or negative, then no Quality charges will apply for that substance for that sample day.

#### (c) Quality Charge:

(i) For the following substances, the Quality Charge is determined by multiplying the Chargeable Trade Waste Mass by the Rate for that substance as detailed in the Industrial Customers Acceptance Standards and charging rates for the applicable financial year fact sheet on the Sydney Water website.

## Consent to Discharge Industrial Trade Wastewater

### SUBSTANCE

AMMONIA (AS N)  
SUSPENDED SOLIDS  
GREASE  
ALUMINIUM  
IRON  
ZINC

- (ii) For the following substances, the Quality Charge is determined by multiplying the Chargeable Trade Waste Mass by the Rate, where the Rate is a function of the composite sample concentration recorded for that sample day.

### SUBSTANCE

BIOCHEMICAL OXYGEN DEMAND

**(d) Concentration Breach Charge:**

Where the Composite Sample concentration is greater than the Acceptance Standards specified in Schedule 1 (with the exception of sulphate), any charges calculated in (c) above will be doubled for that sampling day.

**(e) Failure to collect required samples:**

Where the Customer fails to collect and analyse samples in accord with this consent the above charges will be assessed on the basis of the highest composite concentrations recorded for any billing period within the previous 12 months and the average daily discharge for the current billing period.

**(f) pH and Temperature charges:**

Sydney Water regularly assesses its wastewater networks to determine if a system is affected by accelerated odour and corrosion. Where Sydney Water declares a wastewater system to be affected by accelerated odour and corrosion, the temperature and pH charge will only apply if the customer is not committed to or not complying with an effluent improvement program.

## 2. CHARGES FOR INSPECTIONS

- (a) If, in the opinion of Sydney Water, it is necessary for a Business Customer Representative to exercise rights under clause 6.1, the Customer will incur no liability for payment for any such exercise unless the Business Customer Representative has already exercised rights under clause 6.1 on 1 occasion within a period of one year.
- (b) If it is necessary, in the opinion of Sydney Water, to carry out more than 1 occasion within a period of one year, the additional inspections will be charged at the current inspection rate.
- (c) Any inspection required following up an alleged breach or a default notice will result in a fee payable even if the number of inspections nominated in paragraph 2 (a) has not been exceeded.
- (d) For the purposes of 2 (a) and 2 (b), above, one year is defined as the period from 1 July to 30 June the following year.

## 3. CHARGES FOR ADMINISTRATION OF TRADE WASTE CONSENT

A consent fee per quarter is payable from 1 July 2017.

## 4. CHARGES FOR VARIATION OR RENEWAL OF TRADE WASTE CONSENT

Where a Variation is made to the Consent a fee will be payable. There will be no charge for renewal.

## 5. CHARGES FOR GREASE TRAPS

N/A.

## 6. PAYMENT OF FEES AND CHARGES

An account will be issued for all fees and charges. Any fees or charges payable by the Customer must be paid by the Customer within 30 days of the receipt by the Customer of the account detailing those fees and charges.

# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 4 ADDITIONAL REQUIREMENTS

### 1. EFFLUENT IMPROVEMENT PROGRAM

N/A

### 2. WASTE MANAGEMENT PLAN

The existing pre-treatment will result in the generation of 2 tonne per annum of waste substances in the form of a sludge containing generally solids. The waste substances are, and will continue to be disposed of, in compliance with the requirements of The Environment Protection Authority.

### 3. OTHER REQUIREMENTS

- (a) A Backflow Containment Device must be installed and maintained at the water meter outlet/property boundary in line with Sydney Water's Responsibilities Of Connected Customers Policy.
- (b) Backflow individual/zone protection is required on any tap located within 5m of the trade waste apparatus.



# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 5 APPARATUS, PLANT AND EQUIPMENT

**EXISTING:** 1 X 200 LITRE COLLECTION WELL  
1 X 2000 LITRE GENERAL PURPOSE PIT  
1 X 3 KL/HOUR VERTICAL GRAVITY SEPARATOR WITH DIAPHRAGM PUMP  
1 X ELECTRO MAGNETIC FLOW METER

**PROPOSED:** N/A

# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 6 SPECIAL CONDITIONS

### 1. DANGEROUS DISCHARGES

In this Schedule, the term “may pose a danger to the environment, the Sewer or workers at a sewage treatment plant”;

- (a) means an occurrence whereby matter is discharged to the Sewer which either alone or in conjunction with other matter discharged cannot be adequately treated or may cause corrosion or a blockage, explosion or the production of dangerous gases in the Sewer or may adversely affect the operation of a sewer or sewage treatment plant; and
- (b) includes, but not so as to restrict the generality of paragraph (a), matter or substances, which is or are;
  - (i) toxic or corrosive;
  - (ii) petroleum hydrocarbons;
  - (iii) heavy metals;
  - (iv) volatile solvents;
  - (v) phenolic compounds;
  - (vi) organic compounds.

### 2. UNINTENDED DISCHARGES

- (a) For purposes of avoiding unintended discharges to the Sewer or the stormwater drainage system, all matter and substances on the Premises must be processed, handled, moved and stored in a proper and efficient manner.
- (b) Any substance on the Premises which, if discharged to the Sewer, may pose a danger to the environment, the Sewer or workers at a sewage treatment plant or may harm any sewage treatment process must be handled, moved and stored in areas where leaks, spillages or overflows cannot drain by gravity or by automated or other mechanical means to the Sewer or the stormwater drainage system

### 3. NOTIFICATION

In the event of a discharge of matter to the sewer that poses or may pose a danger to the environment, the Sewer or workers at a sewage treatment plant the Customer must immediately notify:

- (a) MALABAR STP CONTROL ROOM TEL: (02) 9931 8319 FAX: (02) 9931 8366
- (b) BUSINESS CUSTOMER SERVICES (8AM TO 5PM MON TO FRI) TEL: 1300 985 227
- (c) BUSINESS CUSTOMER SERVICES EMERGENCY CONTACT (24 HOURS) TEL: (02) 8849 5029

### 4. PROVISION OF SAFE ACCESS

The Customer shall provide safe access to Sydney Water employees visiting the site. In the event that unsafe conditions are identified the Customer must take reasonable steps to correct unsafe conditions and create safe access.

Sydney Water employees must also comply with the Customer's safety policies and procedures and any directions from the Customer's staff while on the Customer's site.

### 5. ELECTRONIC REPORTING OF SAMPLE ANALYSIS RESULTS

Sydney Water reserves the right to vary this consent to specify the option of reporting by electronic mail as outlined in Schedule 2, 2 (d).



# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 7

1. Premises for which Consent is granted  
20 DAVIS RD, WETHERILL PARK NSW 2164
2. Industrial or other commercial activities for which Consent is granted  
WASTE TRANSFER STATIONS (GE08)
3. Discharge point for which Consent is granted  
BOUNDARY TRAP, INCLUDES DOMESTIC SEWAGE
4. The date for purposes of clause 3.1 is 1 July 2017
5. The period for purposes of clause 3.2 is 48 months
6. The receiving Treatment Plant is MALABAR Wastewater Treatment Plant / Water Recycling Plant

# Consent to Discharge Industrial Trade Wastewater

## SCHEDULE 8

### NOTICES AND COMMUNICATION ADDRESSES

**SYDNEY WATER**      MANAGER MAJOR CUSTOMERS      TEL: 1300 985 227  
   PO Box 399      A.H: (02) 8849 5029  
   PARRAMATTA 2150

**CUSTOMER:**      SITE MANAGER      TEL: (02) 9756 6899  
   SUEZ RECYCLING & RECOVERY PTY LTD      FAX: (02) 9604 3909  
   20 DAVIS ROAD  
   WETHERILL PARK NSW 2164

## SCHEDULE 9

### AUTHORISED OFFICERS

**SYDNEY WATER:**      MANAGER MAJOR CUSTOMERS      TEL: 1300 985 227  
   PO Box 399      A.H: (02) 8849 5029  
   PARRAMATTA 2150

Email: [businesscustomers@sydneywater.com.au](mailto:businesscustomers@sydneywater.com.au)

**CUSTOMER:**      SITE MANAGER      TEL: (02) 9756 6899  
   SUEZ RECYCLING & RECOVERY PTY LTD      FAX: (02) 9604 3909  
   20 DAVIS ROAD  
   WETHERILL PARK NSW 2164  
Email: N/A

## SCHEDULE 10

### NOMINATED REPRESENTATIVES

**SYDNEY WATER:**      MANAGER MAJOR CUSTOMERS      TEL: 1300 985 227  
   PO Box 399      A.H: (02) 8849 5029  
   PARRAMATTA 2150

**CUSTOMER:**      SITE MANAGER      TEL: (02) 9756 6899  
   SUEZ RECYCLING & RECOVERY PTY LTD      FAX: (02) 9604 3909  
   20 DAVIS ROAD  
   WETHERILL PARK NSW 2164

# Consent to Discharge Industrial Trade Wastewater

## APPENDIX 1 (Example)

### SAMPLE ANALYSIS REPORT (COMPOSITE) DISCHARGE METER

Consent Number: 7976	
Company Name: SUEZ RECYCLING & RECOVERY PTY LTD	
Company Address: 20 DAVIS RD, WETHERILL PARK NSW 2164	
Sample Type:	
<input type="checkbox"/> 6 (composite, manual time based)	Start date: ___/___/___
<input type="checkbox"/> 7 (composite, manual flow proportional)	Finish date: ___/___/___
<input type="checkbox"/> 8 (composite, automatic time based)	Start time: ___:___ am/pm
<input type="checkbox"/> 9 (composite, automatic flow proportional)	Finish time: ___:___ am/pm
grabs taken in sample period: _____	Initial meter reading: _____ kL
sample intervals min/kL: _____	Final Meter reading: _____ kL
mL per grab: _____	Volume discharged: _____ kL

Laboratory: \_\_\_\_\_

	Acceptance Standard	Measured Units
Substance	Acceptance Standard (mg/L)	Measured Concentration(mg/L)
AMMONIA (AS N)	100	
BIOCHEMICAL OXYGEN DEMAND		
SUSPENDED SOLIDS	600	
GREASE	110	
SULPHATE	2000	
ALUMINIUM	100	
IRON	50	
ZINC	5	

**COPY OF ORIGINAL ANALYTICAL LABORATORY REPORT TO BE ATTACHED**  
**NOTE: LABORATORY REPORT MUST CERTIFY NATA REGISTRATION FOR EACH ANALYSIS**

Comments: \_\_\_\_\_

Customer Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Designation: \_\_\_\_\_

**OFFICE USE ONLY**

Sample No: 

--	--	--	--	--

EMAIL TO:  
[businesscustomers.labdata@sydneywater.com.au](mailto:businesscustomers.labdata@sydneywater.com.au)  
 cc: [john.mawbey@sydneywater.com.au](mailto:john.mawbey@sydneywater.com.au)

# Consent to Discharge Industrial Trade Wastewater

## APPENDIX 2 (Example)

### SAMPLE ANALYSIS REPORT (DISCRETE SAMPLE)

Consent Number:	7976
Company Name:	SUEZ RECYCLING & RECOVERY PTY LTD
Company Address:	20 DAVIS RD, WETHERILL PARK NSW 2164

Sample Type: DISCRETE
Date
Time

Laboratory:
-------------

Substance	Acceptance Standard (units or mg/L)	Measured Units or Concentration.
pH at start	7 - 10	
pH at finish	7 - 10	

**COPY OF ORIGINAL ANALYTICAL LABORATORY REPORT TO BE ATTACHED**  
**NOTE: LABORATORY REPORT MUST CERTIFY NATA REGISTRATION FOR EACH ANALYSIS**

Comments: \_\_\_\_\_

Customer Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_  
Designation: \_\_\_\_\_

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#### OFFICE USE ONLY

Sample No: 

--	--	--	--	--

EMAIL TO:  
[businesscustomers.labdata@sydneywater.com.au](mailto:businesscustomers.labdata@sydneywater.com.au)  
cc: [john.mawbey@sydneywater.com.au](mailto:john.mawbey@sydneywater.com.au)



## GENERAL CONDITIONS

### Recitals:

- A. Under its Operating Licence, Sydney Water provides sewerage services and treats and disposes of trade wastewater. The objectives of Sydney Water include operating as an efficient business, maximising the net worth of the State's investment and exhibiting a sense of social responsibility by having regard to the interests of the community. Sydney Water has special objectives of reducing risks to human health and preventing degradation of the environment.
- B. Sydney Water is granted licences by the Environment Protection Authority, which are subject to conditions to discharge pollutants. A change to a licence condition may require that variations be made to a consent granted by Sydney Water.
- C. In the conduct of its business operations, Sydney Water must comply with its obligations, duties and responsibilities under the Act and its Operating Licence and the Protection of the Environment Administration Act 1991, the Protection of the Environment Operations Act 1997 and the Protection of the Environment Legislation Amendment Act 2011.
- D. The customer requests that Sydney Water grant consent to the customer for purposes of discharge of trade wastewater from the premises to the sewer.

**Sydney Water grants to the customer consent to discharge trade wastewater, subject to the terms and conditions specified in this consent. The customer accepts the consent and agrees to be bound by the terms and conditions of this consent:**

### 1. Definitions and interpretation

1.1 In this consent, unless the contrary intention appears;

**Acceptance standards** means Sydney Water's published concentration limits for certain substances in trade wastewater.

**Act** means the Sydney Water Act 1994.

**Business Customer Representative** means an officer of Sydney Water who is authorised to enter land or buildings for purposes of carrying out his or her duties in relation to Sydney Water's trade wastewater service.

**Consent** means this consent together with its attached schedules and appendices. Any definitions or standards referred to in this consent but not contained in it are deemed to form a part of this consent with necessary changes being made to accommodate their inclusion.

**Authorised officer** means:

- with respect to Sydney Water, the person from time to time holding the position pertained in schedule 9 or such other person or position as may be nominated by Sydney Water from time to time;
- with respect to the customer, the person identified, and includes the details specified, in schedule 9 or as may be notified to Sydney Water by the customer from time to time.

**Breach** means any contravention of or non-compliance with a term, condition or provision of this consent or the Act.

**Chargeable trade waste mass** means the mass of a pollutant subject to quality or critical substance charges.

**Composite sample** means a sample of trade wastewater obtained by combining equal volumes at either equal time or flow intervals.

**Critical mass charge** means the charge applied to some critical and over capacity substances as calculated in accordance with the provisions set out in schedule 3.

**Critical substance** means a substance determined to be critical and notified from time to time by Sydney Water.

**Customer** means the party or parties (except Sydney Water) who executes or execute this consent.

**Daily mass** means the mass of a substance discharged during a 24-hour period.

**Default notice** means a notice issued in accordance with clause 8.1.

**Domestic concentration** means the concentration of a pollutant deemed by Sydney Water to be equivalent to that found in domestic wastewater.

**Domestic wastewater** means water which has in it human faecal matter, urine or refuse of any type produced in, and which is permitted to be discharged to a Sydney Water sewer from, any premises used exclusively for residential purposes.

**Environment Protection Authority** means the statutory authority established under section 15 of the Protection of the Environment Administration Act 1991

**Equivalent domestic mass** means the mass of a substance that would be expected in the trade wastewater if it were at domestic concentration.

**Flow weighted charge** means the portion of a substance's charge for a billing period that is attributed to any sample collected in accordance with schedule 2 or, if such sample is required but is not collected, then fixed by Sydney Water in accordance with schedule 2.

**Flow weighting factor** means a factor used to determine charges as described in schedule 3.

**Long term average daily mass** means, for each pollutant, the figure listed in schedule 1 and used to determine critical mass charges as described in schedule 3.

**Lower explosive limit** means the minimum concentration of flammable and/or explosive substances that would result in a fire or explosion.

**Mass discharged** means the mass of a pollutant discharged on a sample day and is measured by



## GENERAL CONDITIONS

multiplying the composite sample concentration by the trade wastewater discharge for that sample day.

**Maximum daily mass** means the greatest mass of a substance permitted for discharge within a 24-hour period.

**Over capacity** means the status of a substance as determined in accordance with Sydney Water's Trade Waste Policy, 2007.

**Over capacity substance** means a substance determined to be over capacity and notified from time to time by Sydney Water.

**Premises** means the land, plant and buildings described and specified in paragraph 1 of schedule 7, on or in which the customer carries on industrial or other commercial activities specified in paragraph 2 of schedule 7.

**Quality charge** means a pollutant charge applied to trade waste discharges based on the mass of each pollutant discharged to sewer.

**Regulator** means any statutory authority, which may grant permission, authority or licence to Sydney Water to operate the sewer or treat or dispose of sewage treatment by-products.

**Residual products** means biosolids, re-use water or such other product intended for re-use as may be developed by Sydney Water from time to time.

**Risk index** means a ranking applied to the consent by Sydney Water to describe the relative risk of accepting the trade wastewater. Determination of the risk index will be based on the methodology determined from time to time by Sydney Water, or as may be necessary in the opinion of Sydney Water to take into account particular circumstances. The risk index is used to determine, among other things, the amount of self-monitoring required, the number of inspections to be performed by Sydney Water, the annual consent fee and the term of the consent.

**Sewer** means the sewerage service of Sydney Water, including the sewage treatment plant, discharge to which is facilitated by a discharge point situated on the premises and specified in item 3 of schedule 7.

**Significant breach** means any breach of a nature outlined at clause 15.2. Such breaches may result in immediate suspension or termination of the consent.

**Standard mass charging rate** means the charge per kilogram for substances as defined in schedule 3.

**Sydney Water** means Sydney Water Corporation.

**Responsibilities of connected customers policy** means Sydney Water's policy detailing the conditions under which Sydney Water will agree to accept trade wastewater to sewer.

**Trade wastewater** means any liquid and any substance in it that is produced in an industrial or commercial activity at the premises and discharged into the sewer, but does not include domestic wastewater.

**Trade waste residue** means any substance separated and retained, from trade wastewater being discharged into the sewer.

- 1.2 In this consent, unless the contrary intention appears:
- (a) A reference to an Act or any delegated legislation or instrument made under an Act includes any other Act delegated legislation or instrument as may amend or replace any of them.
  - (b) A reference to a word or expression
    - (i) in the singular form includes a reference to the word or expression in the plural form; and
    - (ii) in the plural form includes a reference to the word or expression in the singular form.
  - (c) A reference to a party or a natural person includes a reference to a corporation.
  - (d) A word or expression that indicates one or more particular genders is taken to indicate every other gender.
  - (e) Headings to clauses and paragraphs are included in this consent to assist understanding of its terms and conditions but are not intended to affect the meaning or application of any term or condition.
  - (f) A reference to a clause, schedule or appendix is a reference to a clause of or schedule or appendix to this consent and any such schedule or appendix is a part of this consent.

1.3 Remedies available to the parties under this consent;

- (a) are cumulative; and
- (b) do not prejudice or affect any other remedy available to the parties.

1.4 No rule of construction applies to the disadvantage of a party because that party was responsible for the preparation of this consent or any part of it.

### 2. Application of certain statutes and laws

2.1 This consent is made under and is subject to the provisions of the Act.

2.2 This consent is governed by and will be performed according to the law applicable in the State of New South Wales.

2.3 Subject to the terms and conditions of this consent the customer has lawful authority to dispose of trade wastewater for purposes of;

- (i) Section 115 of the Protection of the Environment Operations Act 1997; and
- (ii) Section 49 of the Act; and

### 3. Commencement and term of consent

3.1 This consent commences on the date specified in paragraph 4 of schedule 7.

3.2 This consent will, unless terminated or renewed in accordance with this consent, continue for the period specified in item 5 of schedule 7.



## GENERAL CONDITIONS

### 4. Discharge of trade wastewater into sewer

- 4.1 The customer may discharge trade wastewater from the premises into the sewer in accordance with the provisions of schedule 1 and schedule 4.
- 4.2 The customer must not discharge trade wastewater from the premises into the sewer contrary to the provisions of schedule 1 and schedule 4.
- 4.3 The customer indemnifies Sydney Water against all damages, losses, costs or expenses suffered or incurred by Sydney Water, caused by any unauthorised discharge from the premises in respect of:
- (a) injury (including death) or harm to any person; or
  - (b) damage to property vested in Sydney Water; or
  - (c) contamination of residual products; or
  - (d) material harm to any sewage treatment process
- provided that the said damages, losses, costs or expenses suffered or incurred by Sydney Water are caused by any unauthorised discharge of trade wastewater or other matter into the sewer by the customer which is in breach of this consent or by any other person from the customer's premises, except to the extent to which the damages, losses, costs or expenses (as the case may be) were caused by either the negligent or wilful act or omission of Sydney Water or a breach of this consent by Sydney Water.
- 4.4 The customer must take all precautions reasonably practicable to ensure that no person, other than a person acting for or on behalf of or with the consent of the customer, discharges any matter from the premises into the sewer.
- 4.5 For purposes of this consent, every discharge of matter from the premises into the sewer will be taken to have been a discharge by a person acting for or on behalf of, or with the consent of, the customer.

### 5. Charges

- 5.1 The customer must pay Sydney Water charges with respect to trade wastewater discharged to the sewer, the administration of this consent and, when applicable, the processing of grease trap waste determined in accordance with, and within the time and in the manner specified in schedule 3.
- 5.2 Sydney Water may vary the basis of charges or the charging rates in schedule 3;
- (a) as and when determined by the Independent Pricing and Regulatory Tribunal of New South Wales (IPART); or
  - (b) by written consent with the customer.

### 6. Inspections

- 6.1 A Business Customer Representative may enter the premises at any time;
- (a) for purposes of inspecting whether the activities of the customer are being conducted in accordance with this consent; or

- (b) for the purposes described in Section 38 of the Act or exercising any right or function conferred on Sydney Water under this consent.

This clause does not limit Sydney Water's statutory powers of entry.

- 6.2 When exercising rights under clause 6.1;
- (a) a Business Customer Representative must not cause any delay or inconvenience to the efficient conduct of business activities by the customer which could be reasonably avoided; and
  - (b) except for any relevant safety precautions, a Business Customer Representative must not be impeded or delayed by any person on the premises.
- 6.3 If, in the opinion of Sydney Water, it is necessary for a Business Customer Representative to exercise rights under clause 6.1, the customer will make payment in accordance with the provisions of schedule 3.

### 7. Inquiries

- 7.1 Sydney Water may convene and determine the terms of reference of a joint inquiry about the circumstances relating to an incident that may have caused a breach.
- 7.2 An inquiry under clause 7.1 is to be conducted informally and without legal representation for purposes of gathering information about an incident directly from any person who may be expected to know, from his or her own observations, about the circumstances relating to the incident.
- 7.3 An inquiry under clause 7.1 may be conducted irrespective of whether the incident, the subject of the inquiry, is also the subject of a default notice.
- 7.4 Before conducting an inquiry under clause 7.1, the customer and Sydney Water may agree about what action, if any (except any action pursuant to a statutory obligation), may be taken with respect to any information that may be gathered during the inquiry.

### 8. Default procedures

- 8.1 If, in the opinion of Sydney Water, the customer commits, causes or allows a breach to occur, Sydney Water may issue to the customer a default notice.
- 8.2 A default notice must;
- (a) provide any relevant particular of the breach alleged by Sydney Water, including any particular known to Sydney Water that may assist the customer to ascertain the alleged breach; and
  - (b) specify that the customer must provide a response in writing to Sydney Water within seven days of receipt of the notice.
- 8.3 A default notice is not invalid merely because it does not provide a particular that may assist the customer to ascertain the alleged breach.
- 8.4 Any supply to the customer by Sydney Water of particulars under clause 8.7(a) is taken, for purposes of clause 8.5, to be a default notice under clause 8.1.



## GENERAL CONDITIONS

- 8.5 The customer must supply to Sydney Water a written response to a default notice within seven days of receipt of the default notice which must;
- (a) request further particulars of the alleged breach; or
  - (b) describe or explain the circumstances causing;
    - (i) the event which appeared to Sydney Water to be a breach; or
    - (ii) the breach to occur; and
  - (c) describe any action taken with respect to the alleged breach; and
  - (d) provide a plan of action to be taken by the customer to avoid the occurrence of any incident similar to the alleged breach; or
  - (e) explain the reasons of the customer for disputing the alleged breach.
- 8.6 The customer may make one request only for particulars under clause 8.5(a) with respect to a default notice.
- 8.7 When the customer responds in writing to Sydney Water in accordance with clause 8.5, Sydney Water must within seven days of receipt of that response either;
- (a) with respect to clause 8.5(a), provide in writing to the customer any further particulars that it may be able to provide in which case the customer shall be allowed a further seven days from receipt of those particulars to respond as required by clause 8.5(b)
  - (b) specify to what extent it accepts, rejects or disagrees with the response under 8.5(b) and provide details of any action it proposes to take (including any special requirements it may impose) to deal with the breach.
- 8.8 The issue by Sydney Water of a default notice is without prejudice to any right or power Sydney Water may have pursuant to this consent or conferred on it by statute or statutory rule.
- 9. Improvement program**
- 9.1 The customer must, at its own expense, establish and carry out the improvement program specified in, and in accordance with the provisions of, schedule 4.
- 9.2 If, prior to any failure to comply, the customer notifies Sydney Water that it may not be able to comply with any obligation under clause 9.1, Sydney Water will consider any reasonable proposal of the customer to vary a term or condition of the improvement program.
- 10. Diligence program**
- 10.1 Within six months of the making of this consent, the customer must give a notice to Sydney Water specifying a current diligence program.
- 10.2 For purposes of clause 10.1, a diligence program includes a plan, whereby the customer demonstrates that the management of the customer is exercising reasonable care in planning and taking appropriate action, to prevent or minimise the effects of any incident that may constitute a breach.
- 11. Suspension or termination of consent to discharge trade wastewater**
- 11.1 Sydney Water may suspend the consent granted in clause 4.1 if;
- (a) the customer does not comply with clause 8.5, 9.1, 12.1, 12.2 or notice of the suspension is given to the customer; or
  - (b) Sydney Water is for any reason specified in clause 11.2 unable to accept for treatment trade wastewater that may be discharged by the customer.
- 11.2 Sydney Water may, by a notice given to the customer, suspend the consent granted in clause 4.1 if, in the reasonable opinion of Sydney Water;
- (a) an emergency prevents the sewer from accepting any or certain specified categories of trade wastewater that may be discharged by the customer; or
  - (b) an event has occurred, which could have an adverse effect on any employee or agent of or contractor to Sydney Water or the sewer, including any biological process.
- whether the emergency or event is caused by fire, storm, tempest, flood, malicious damage, act of war, civil disobedience, explosion, earthquake or an act or omission of an employee, or agent of, or contractor to Sydney Water, or an unlawful discharge of matter into the sewer, or some other cause.
- 11.3 The period of any notice of suspension given under clause 11.2 will be no shorter than any period, which in the opinion of Sydney Water the circumstances dictate.
- 11.4 The customer must comply with any notice under clause 11.1 or 11.2 subject only to any delay that may be required to safeguard the health or life of any person.
- 11.5 Any suspension under clause 11.1 or 11.2 must not be for a period longer than, in the opinion of Sydney Water, the circumstances dictate.
- 11.6 If the customer does not cease discharging trade wastewater in accordance with a notice given under clause 11.1 or 11.2 and Sydney Water is of the opinion that the customer is not taking appropriate measures to stop the discharge, a Business Customer Representative may, with such other persons as he or she may think necessary, enter the premises and take such measures as he or she may think necessary to stop the discharge.
- 11.7 A suspension under clause 11.1 or 11.2 or any action that may be taken in accordance with clause 11.6 does not give rise to any remedy to the customer against Sydney Water for, or in respect of, the suspension or action.
- 11.8 Any costs incurred by Sydney Water with regard to taking action under clause 11.6 is a debt payable to



## GENERAL CONDITIONS

Sydney Water by the customer on demand made by Sydney Water.

- 11.9 Sydney Water may suspend the consent granted in clause 4.1 if; the discharge of trade wastewater by the customer in accordance with the consent granted under clause 4.1, by itself or in conjunction with the discharges of other persons is likely, in the opinion of Sydney Water, to cause Sydney Water to contravene any legislation, permission, authority or licence granted by a regulator, or any other regulatory authority.
- 11.10 Any suspension under clause 11.9 must be terminated as soon as Sydney Water is reasonably satisfied that the conditions giving rise to the suspension no longer exist.
- 11.11 If the customer and Sydney Water cannot agree in accordance with clause 11.10, they will initiate and attend discussions with the regulator to resolve any relevant matter.
- 11.12 If, after discussions under clause 11.11 the customer and Sydney Water fail to agree in accordance with clause 11.10, the consent granted in clause 4.1 may be terminated by Sydney Water.
- 11.13 Without limitation of the effect of any other clause in this consent, Sydney Water may terminate or suspend the customer's permission to discharge trade wastewater immediately by written notice to the customer, if in the opinion of Sydney Water the customer's discharge of trade wastewater is in breach of this consent and is likely to cause;
- (a) Sydney Water's contravention of the condition of any licence issued to it by the EPA; or
  - (b) the failure to meet a product specification of any of Sydney Water's residual products.
  - (c) Sydney Water to breach or fail to comply with any legislation.
- 11.14 A suspension under clause 11.9 or 11.13 in accordance with the terms of this consent or a termination under clause 11.12 or 11.13 in accordance with the terms of this consent does not give rise to any remedy to the customer against Sydney Water for or in respect of the suspension or termination.
- 11.15 Without limitation of the effect on any other clause in this consent, Sydney Water may terminate or suspend the customer's consent to discharge trade wastewater immediately by written notice served on the customer in accordance with Section 100 of the Act, on the occurrence of any one of the following events;
- (a) The customer fails to pay to Sydney Water any amount due and payable under this consent within twenty-one days of the due date for payment and such payment is not made within fourteen days of a written request from Sydney Water to do so.

- (b) The customer is in breach of the consent and is unable or unwilling to remedy the breach of consent as required by Sydney Water.

The customer acknowledges and agrees that if, following the termination of the consent, it continues to discharge trade wastewater into the sewer, a Business Customer Representative may enter the customer's premises and take all reasonable necessary steps to stop the customer's continued discharge of trade wastewater to the sewer. The right of entry conferred by this clause is in addition to, and not in substitution for, any power of entry conferred on Sydney Water by the Act.

### 12. Supply of information

- 12.1 Any information supplied by the customer to Sydney Water for purposes of making this consent or for any purpose of this consent must as far as reasonably possible be a true and complete disclosure by the customer for purposes of enabling Sydney Water to;
- (a) determine whether to grant the consent in clause 4.1; and
  - (b) determine whether there has been any breach of this consent.
- 12.2 The customer must not, in or in connection with a document supplied to Sydney Water for purposes of making this consent or for any purpose of this consent, furnish information, which is false or misleading in a material particular with regard to the trade wastewater to be discharged to the sewer.
- 12.3 Sydney Water must not disclose any confidential information obtained in connection with the administration or execution of this consent, unless that disclosure is made;
- (a) with the consent in writing of the customer
  - (b) with other lawful excuse.

### 13. Sampling

- 13.1 For purposes of this consent, schedule 2 specifies sampling and analysis criteria, flow rates and volume determinations of trade wastewater to be discharged or discharged under clause 4.1.
- 13.2 A Business Customer Representative may take as many samples of trade wastewater at any point in any production process or storage facility, or at any other point on the premises, as he or she thinks fit.
- 13.3 The customer must comply with the provisions of schedule 2.

### 14. Apparatus, plant and equipment for recording or treating trade wastewater

- 14.1 The customer must, at its own cost, provide, operate and maintain in an effective and efficient working order, the apparatus, plant and equipment described in schedule 5 for purposes of regulating, treating, determining and measuring the quality, quantity and



## GENERAL CONDITIONS

rate of discharge of trade wastewater under clause 4.1.

14.2 Sydney Water may require the customer to use its discretion to formulate and take such additional actions as may be appropriate to achieve the objects which, in the opinion of Sydney Water, are necessary for the customer to regulate, treat, determine or measure trade wastewater for purposes of discharge under clause 4.1.

14.3 The customer must, at its own costs, maintain records in such manner as may be required by Sydney Water, of all measurements, sampling and results obtained in the course of treatment and discharge of trade wastewater under clause 4.1.

14.4 The customer must submit to Sydney Water documents containing records of results specified in schedule 2.

14.5 The customer must maintain records of particulars and dates of cleaning and maintaining all apparatus, plant and equipment described in schedule 5 and particulars, dates and method of disposal of trade waste residue from such apparatus, plant and equipment.

14.6 The customer acknowledges that Sydney Water does not approve or warrant that any apparatus, plant or equipment used by the customer is sufficient for purposes of processing or treating trade wastewater for discharge under clause 4.1.

### 15. Variation and renewal of consent

15.1 Before varying, substituting or adding any process conducted or to be conducted on the premises that may cause the volume, rate or quality of wastewater discharged to change from that agreed under schedule 1 and schedule 4, the customer shall give Sydney Water not less than 14 days written notice of its intention. Any variation, substitution or addition shall only be conducted after receipt of written approval to same and subject to any conditions (including any requirement to vary the terms of this consent) that Sydney Water may impose.

15.2 Sydney Water may vary the terms of this consent where:

- (a) Sydney Water alleges a single significant breach or three breaches of the same nature, to have occurred in a six month period; or
- (b) in the opinion of Sydney Water, a substantial or material part of any plan of action under clause 8.5(d) may not be completed for a period exceeding 90 days; or
- (c) the customer gives Sydney Water notice under clause 15.1.

For the purposes of this clause and without limitation, the following circumstances shall be regarded as being a single significant breach:

- (i) an activity or event that could adversely affect; the health and safety of any employee, agent or

contractor to Sydney Water, the integrity of Sydney Water assets or the viability of any of Sydney Water's treatment processes or products; or

- (ii) failure to achieve effluent improvement program milestone; or
- (iii) failure to install pre-treatment; or
- (iv) by-pass pre-treatment and/or installation of equipment that facilitates by-pass of pre-treatment; or
- (v) flow-meter turned off or bypassed.

15.3 A renewal of this consent may be initiated by the customer:

- (a) not less than two months before the date of expiration of this consent, and
- (b) not more than six months before the date of expiration of this consent.

15.4 If this consent remains current immediately prior to the expiration of the term detailed in 3.2, or any subsequent terms renewed in accordance with this clause, and:

- (a) the customer has not given notice in accordance with clause 20.1 of this consent and;
- (b) Sydney Water has not given to the customer at least 30 days' notice prior to the expiration of this consent, of its intention to permit the consent to expire in accordance with clause 3.2

Then this consent shall be deemed to be renewed immediately following its expiration, for a further period of six months.

15.5 Any amended schedules that Sydney Water prepares in response to a variation or renewal will be taken to be incorporated into this consent;

- (a) on execution by the customer; or
- (b) after 14 days of receipt by the customer of the notice of the variation or renewal.

15.6 The notification of alterations to the critical status of any pollutants does not constitute a variation.

### 16. Disposal of trade waste residue

The customer must not dispose of any trade waste residue, except in accordance with the requirements of the EPA.

### 17. Disposal of grease trap wastes

The customer must not dispose of grease trap wastes other than in accordance with Sydney Water's 'Wastesafe' Management System.

### 18. This consent comprises all applicable terms and conditions

18.1 The provisions of this consent comprise all of the applicable terms and conditions between the parties.

18.2 It is declared by the parties that no further or other promises or provisions are, or will be claimed to be implied, or to arise between the parties by way of collateral or other agreement by reason of any promise, representation, warranty or undertaking given or made by any party (or its agent) to another, on or prior to the



## GENERAL CONDITIONS

execution of this deed, and the existence of any such implication or collateral or other agreement, is hereby negated by the parties.

- 18.3 Clauses 18.1 and 18.2 do not prejudice the ability of the parties to vary or amend this consent in accordance with the provisions of this consent or by a further consent in writing.

### 19. No transfer or assignment

The customer cannot transfer or assign the consent granted in clause 4.1 nor any other right or obligation the customer has or may have under this consent, without the prior consent in writing of Sydney Water.

### 20. Termination of consent by customer

- 20.1 Termination of this consent may be effected by the customer upon the giving of at least 30 days' notice in writing to Sydney Water. The notice must state the date on which this consent terminates.

- 20.2 The customer is bound by the provisions of this consent with regard to any discharge of trade wastewater into the sewer from the premises, including the payment of charges under clause 5.1, from the commencement of this consent until its termination.

- 20.3 Notwithstanding provisions contained elsewhere in this consent the parties may terminate this consent in writing by mutual agreement provided the parties enter into a further trade waste consent immediately following termination of this consent.

### 21. Notices and communications

- 21.1 A notice or communication under this consent must be in writing.

- 21.2 For purposes of clause 21.1, a notice or communication may;

- (a) be left at the address of the addressee; or
- (b) be sent by prepaid ordinary post to the address of the addressee; or
- (c) sent by facsimile transmission to the facsimile number of the addressee
- (d) sent by email to the email address of the addressee

as specified in schedule 8 or such other address as may be notified by the addressee to the other party.

- 21.3 Unless a later time is specified in it, a notice or communication takes effect from the time it is received.

- 21.4 Unless the contrary is shown, for purposes of clause 21.3, if a notice or communication is;

- (a) a letter sent by pre-paid post, it will be taken to have been received on the third day after posting; or
- (b) a facsimile, it will be taken to have been received on receipt by the sender, of the written or oral advice of the addressee that the whole of the facsimile transmission has been received by the addressee in a form that is legible.

### 22. Miscellaneous

Each party must act in good faith in the implementation of this consent and, without limiting the scope of this obligation, must also seek to resolve any difference or dispute between them as to the consent in good faith.

### 23. Entire consent

This consent constitutes the entire agreement between the parties in relation to its subject matter. No understanding, arrangement or provision not expressly set out in this consent will bind the parties. Accordingly all correspondence, negotiations and other communications between the parties in relation to the subject matter of this consent that precede this consent are superseded by and merged in it.

Note: This consent has no effect until it is executed for and on behalf of Sydney Water Corporation.

### Contact Us

To find out more visit  
[sydneywater.com.au](http://sydneywater.com.au)  
or call 13 20 92

### Postal address

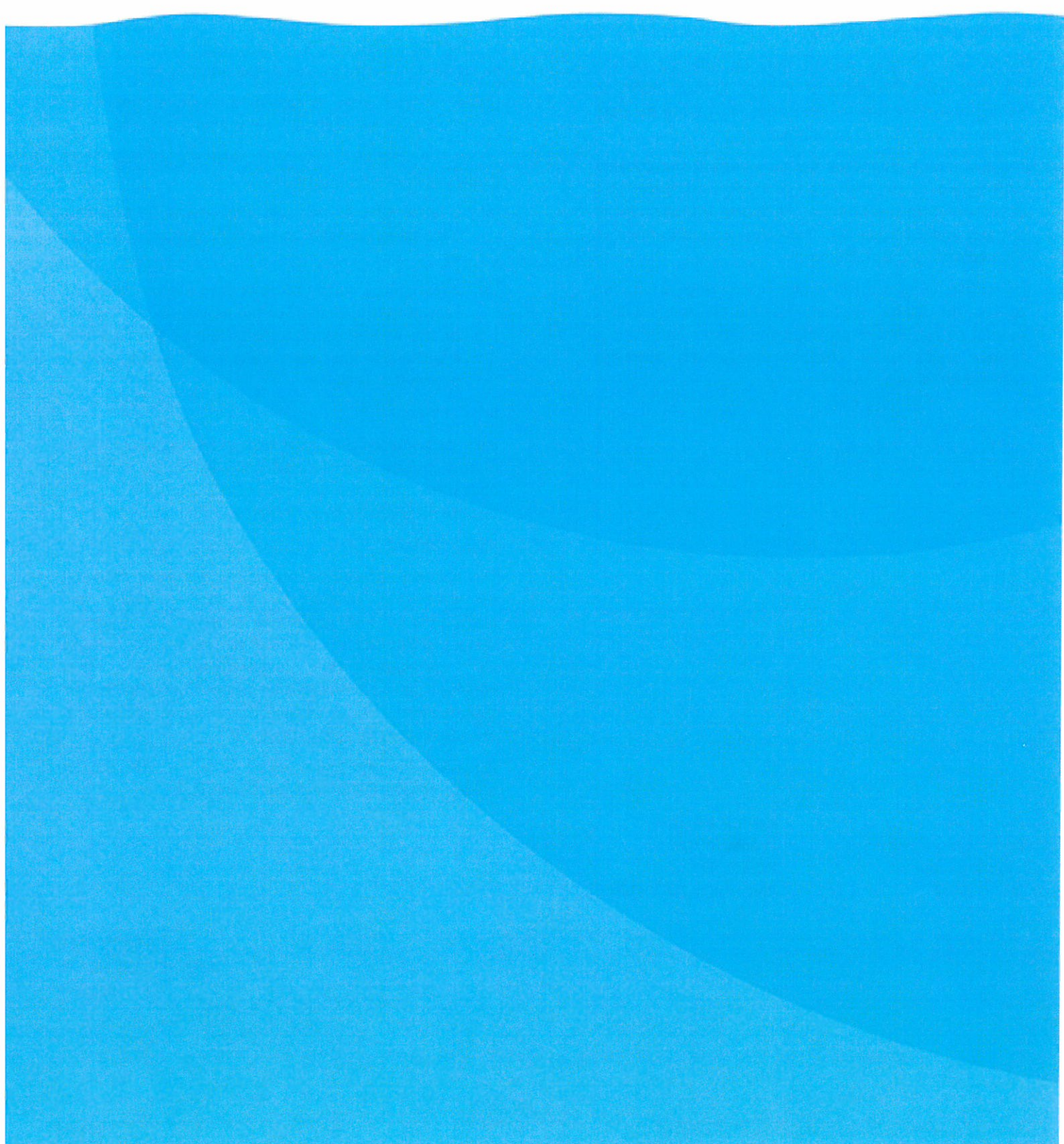
Sydney Water  
PO Box 399  
Parramatta NSW 2124

**Sydney Water**

ABN 49 776 225 038

BCS034







CERTIFICATE OF ANALYSIS

Work Order : ES1941864
Client : AQUATICO WTS
Contact : MR MAX STAINANO
Address : 19 - 27 WALTER ST
WETHERILL PARK NSW, AUSTRALIA
2164
Telephone : +61 02 9960 3377
Project : 7976 TRADEWASTE (SUEZ
WETHERILL PARK)
Order number : ----
C-O-C number : ----
Site : SUEZ WETHERILL PARK - 20 DAVIS
ROAD, WETHERILL PARK
Sampled by : ----
Quote number : ES2010AQUWTS0348 (SY/675/14)

Page : 1 of 2
Laboratory : Environmental Division Sydney
Contact : Wael Saleh
Address : 277-289 Woodpark Road Smithfield
NSW Australia 2164
Telephone : +61 2 8784 8555



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

Issue Date : 27-Dec-2019 14:37 No. of samples received : 1
Date Samples Received : 17-Dec-2019 14:00 No. of samples analysed : 1

Table with 4 columns: Parameter, Unit, LOR, VALUE. Rows include Start time, Finish Time, Meter Reading (start/finish), TWDF, Volume Discharged, and Volume Discharged (corrected).

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.
Where a result is required to meet compliance limits, the associated uncertainty must be considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).
Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.
Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.
Mass discharged calculation is not covered by ALS accreditation terms.
SAMPLING CONDITION: Grabs per bottle: 24, Sample intervals: N/A, mL per grab: 400mL, TWDF: 100%.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Table with 2 columns: Signatories, Position (Accreditation Category). Rows list Ankit Joshi, Dian Dao, Ivan Taylor, and Wael Saleh with their respective roles.



				7976 Composite 17-Dec-2019		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES1941864001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	11	1	0.022
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	42	0.5	0.082
EG005T	Aluminium	mg/L	0.10	100.00	1.38	0.18	0.00270
EG005T	Iron	mg/L	0.05	50.00	0.11	0.75	0.00022
EG005T	Zinc	mg/L	0.01	5.00	0.13	0.003	0.00026
EK055	Ammonia as N	mg/L	0.5	100.00	<0.5 --	0.06	<0.0010
EP020	Oil & Grease	mg/L	5	110.00	<5 --	0.044	<0.010
EP030	Biochemical Oxygen Demand	mg/L	2	---	3	1.56	0.006
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	7.2	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	7.5	10	---
SAMP-01	Temperature (finish)	°C	1	---	22	---	---
SAMP-01	Temperature (start)	°C	1	---	24	---	---

**Client - Report Received and Actioned**

Customer Signature : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Date :                    /                    /

**Water Authority - Report Received and Actioned**

**TERRITORY**

Sample Number :

Wastewater Source Control Office :





CERTIFICATE OF ANALYSIS

Work Order : ES2007518
Client : AQUATICO WTS
Contact : MR MAX STAIANO
Address : 19 - 27 WALTER ST
WETHERILL PARK NSW, AUSTRALIA 2164
Telephone : +61 0437 313 755
Project : 7976 TRADEWASTE (SUEZ WETHERILL PARK)
Order number : ----
C-O-C number : ----
Site : SUEZ WETHERILL PARK - 20 DAVIS ROAD, WETHERILL PARK
Sampled by : ----
Quote number : ES2010AQUWTS0348 (SY/675/14)

Page : 1 of 2
Laboratory : Environmental Division Sydney
Contact : Wael Saleh
Address : 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone : +61 2 8784 8555



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

Issue Date : 11-Mar-2020 11:17 No. of samples received : 1
Date Samples Received : 04-Mar-2020 13:00 No. of samples analysed : 1

Table with 4 columns: Parameter, Unit, LOR, VALUE. Rows include Start time, Finish Time, Meter Reading (start/finish), TWDF, Volume Discharged, and Volume Discharged (corrected).

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.
Where a result is required to meet compliance limits, the associated uncertainty must be considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).
Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.
Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.
Mass discharged calculation is not covered by ALS accreditation terms.
SAMPLING CONDITION: Grabs per bottle: 24, Sample intervals: N/A kL or min, mL per grab: 400 mL, TWDF: 100%.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Table with 2 columns: Signatories, Position (Accreditation Category). Rows include Ankit Joshi (Inorganic Chemist), Ivan Taylor (Analyst), and Wael Saleh (Client Services - Trade Waste Coordinator).





				7976 Composite 04-Mar-2020		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2007518001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	173	1	0.178
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	1	0.5	0.001
EG005T	Aluminium	mg/L	0.10	100.00	389	0.18	0.401
EG005T	Iron	mg/L	0.05	50.00	29.2	0.75	0.0300
EG005T	Zinc	mg/L	0.01	5.00	1.70	0.003	0.00175
EK055	Ammonia as N	mg/L	0.5	100.00	2.0	0.06	0.0021
EP020	Oil & Grease	mg/L	5	110.00	<5	0.044	<0.005
EP030	Biochemical Oxygen Demand	mg/L	2	---	23	1.56	0.024
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	7.2	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	7.3	10	---
SAMP-01	Temperature (finish)	°C	1	---	22	---	---
SAMP-01	Temperature (start)	°C	1	---	22	---	---

**Client - Report Received and Actioned**

Customer Signature : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Date :                    /                    /

**Water Authority - Report Received and Actioned**

**TERRITORY**

Sample Number :

Wastewater Source Control Office :



CERTIFICATE OF ANALYSIS

Work Order : ES2009861
Client : AQUATICO WTS
Contact : MR MAX STAIANO
Address : 19 - 27 WALTER ST
WETHERILL PARK NSW, AUSTRALIA
2164
Telephone : +61 0437 313 755
Project : 7976 TRADEWASTE (SUEZ
WETHERILL PARK)
Order number : ----
C-O-C number : ----
Site : SUEZ WETHERILL PARK - 20 DAVIS
ROAD, WETHERILL PARK
Sampled by : ----
Quote number : ES2010AQUWTS0348 (SY/675/14)

Page : 1 of 2
Laboratory : Environmental Division Sydney
Contact : Wael Saleh
Address : 277-289 Woodpark Road Smithfield
NSW Australia 2164
Telephone : +61 2 8784 8555



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

Issue Date : 27-Mar-2020 14:01 No. of samples received : 1
Date Samples Received : 20-Mar-2020 11:55 No. of samples analysed : 1

Table with 4 columns: Parameter, Unit, LOR, VALUE. Rows include Start time, Finish Time, Meter Reading (start/finish), TWDF, Volume Discharged, and Volume Discharged (corrected).

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.
Where a result is required to meet compliance limits, the associated uncertainty must be considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).
Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.
Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.
Mass discharged calculation is not covered by ALS accreditation terms.
SAMPLING CONDITION: Grabs per bottle: 24, Sample intervals: N/R, mL per grab: 400 mL, TWDF: 100%.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Table with 2 columns: Signatories, Position (Accreditation Category). Rows include Ankit Joshi (Inorganic Chemist), Celine Conceicao (Senior Spectroscopist), and Wael Saleh (Client Services - Trade Waste Coordinator).



				7976 Composite 20-Mar-2020		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2009861001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	106	1	0.094
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	17	0.5	0.015
EG005T	Aluminium	mg/L	0.10	100.00	794	0.18	0.707
EG005T	Iron	mg/L	0.05	50.00	1.36	0.75	0.00121
EG005T	Zinc	mg/L	0.01	5.00	0.18	0.003	0.00016
EK055	Ammonia as N	mg/L	0.5	100.00	<0.5 --	0.06	<0.0004
EP020	Oil & Grease	mg/L	5	110.00	<5 --	0.044	<0.004
EP030	Biochemical Oxygen Demand	mg/L	2	---	6	1.56	0.005
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	9.8	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	8.0	10	---
SAMP-01	Temperature (finish)	°C	1	---	24	---	---
SAMP-01	Temperature (start)	°C	1	---	29	---	---

**Client - Report Received and Actioned**

Customer Signature : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Date :                    /                    /

**Water Authority - Report Received and Actioned**

**TERRITORY**

Sample Number :        
 Wastewater Source Control Office :



CERTIFICATE OF ANALYSIS

Work Order : ES2013544
Client : AQUATICO WTS
Contact : MS FLOR ALTAMIRANO
Address : 19 - 27 WALTER ST
WETHERILL PARK NSW, AUSTRALIA
2164
Telephone : +61 02 9960 3377
Project : 7976 TRADEWASTE (SUEZ
WETHERILL PARK)
Order number : ----
C-O-C number : ----
Site : SUEZ WETHERILL PARK - 20 DAVIS
ROAD, WETHERILL PARK
Sampled by : ----
Quote number : ES2010AQUWTS0348 (SY/675/14)

Page : 1 of 2
Laboratory : Environmental Division Sydney
Contact : Wael Saleh
Address : 277-289 Woodpark Road Smithfield
NSW Australia 2164
Telephone : +61 2 8784 8555



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

Issue Date : 28-Apr-2020 13:14 No. of samples received : 1
Date Samples Received : 22-Apr-2020 11:40 No. of samples analysed : 1

Table with 4 columns: Parameter, Unit, LOR, VALUE. Rows include Start time, Finish Time, Meter Reading (start/finish), TWDF, Volume Discharged, and Volume Discharged (corrected).

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.
Where a result is required to meet compliance limits, the associated uncertainty must be considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).
Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.
Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.
Mass discharged calculation is not covered by ALS accreditation terms.
SAMPLING CONDITION: Grabs per bottle: ??, Sample intervals: ?? kL or min, mL per grab: ?? mL, TWDF: 100%.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Table with 2 columns: Signatories, Position (Accreditation Category). Rows include Ankit Joshi (Inorganic Chemist), Ivan Taylor (Analyst), and Wael Saleh (Client Services - Trade Waste Coordinator).



				7976 Composite 22-Apr-2020		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2013544001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	60	1	0.063
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	26	0.5	0.027
EG005T	Aluminium	mg/L	0.10	100.00	1.06	0.18	0.00112
EG005T	Iron	mg/L	0.05	50.00	2.01	0.75	0.00211
EG005T	Zinc	mg/L	0.01	5.00	0.21	0.003	0.00022
EK055	Ammonia as N	mg/L	0.5	100.00	2.1	0.06	0.0022
EP020	Oil & Grease	mg/L	5	110.00	<5	0.044	<0.005
EP030	Biochemical Oxygen Demand	mg/L	2	---	76	1.56	0.080
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	7.4	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	7.6	10	---
SAMP-01	Temperature (finish)	°C	1	---	24	---	---
SAMP-01	Temperature (start)	°C	1	---	26	---	---

**Client - Report Received and Actioned**

Customer Signature : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Date : \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**Water Authority - Report Received and Actioned**

**TERRITORY**

Sample Number :

Wastewater Source Control Office :



**APPENDIX J      CONSTRUCTION CERTIFICATION**

April 14, 2020

**Certificate for the application of Vitrethane 630 on concrete in a receiving hall**

To whom it may concern,

A&I is pleased to confirm that the Vitrethane 630 Two Pack Solvent based polyurethane applied to the concrete working floor in the receiveal hall at Suez Wetherill Park Resource Recovery Facility, 20 Davis Rd, Wetherill Park NSW 2164, will prevent the absorption of leachate into the tipping floor concrete surface.

Please contact the undersigned with any questions.



Ben Gillies - Director



31 July 2019

Suez Recycling & Recovery P/L  
Level 4 3 Rider Blvd  
Rhodes NSW 2138

Attention: Jacquie Simmons

Dear Jacquie,

RE: 20 DAVIS ROAD, WETHERILL PARK NSW 2164  
DEVELOPMENT APPLICATION NO. SDD 7267 (AS MODIFIED BY) SSD 7267 MOD 1, SSD 7267 MOD 2  
STAGE 1 CONSTRUCTION CERTIFICATE NO. 170405-01

In accordance with our role as your Accredited Certifier, we wish to advise you that the Stage 1 Construction Certificate for the above project has now been approved.

This Construction Certificate relates to the Stage 1 works including civil infrastructure works, fire services upgrade works, external hardstand works and temporary perimeter access road works as noted on the Staging Plan (only); which are associated with the overall alterations and additions to the existing waste transfer station, at the above address.

The Construction Certificate has been approved by:

- Accredited Certifier - Steven Rodriguez (BPB 0823)

We have enclosed the following documents for your records:

1. Approved Construction Certificate
2. Construction Certificate Application Form
3. Notice of Commencement & Appointment of a PCA Application Form
4. Approved Plans, Specifications and supporting Documentation
5. Record of Inspection
6. Notice of Critical Stage Inspections
7. Fire Safety Schedule

Furthermore, pursuant to Section 109E of the Environmental Planning and Assessment Act 1979, Concise Certification Pty Ltd formally confirms our appointment as the Principal Certifying Authority (PCA). The Principal Certifying Authority appointed is:

- Principal Certifying Authority - Steven Rodriguez (BPB 0823)

A copy of the Notice of Commencement of Building Works and Appointment of a Principal Certifying Authority has been forwarded to Council advising that the works are due to commence after two day's receipt of the Notice.

In accordance with Section 162A of the Environmental Planning and Assessment Regulations 2000 the following inspections are to be carried out:

- Undertake a Pre-Construction Certificate Inspection (undertaken).
- After the commencement of the excavation for, and before the placement of, the first footing.
- Prior to covering any stormwater drainage connections, and
- Fire Safety Witness Testing, and
- Fire and Rescue NSW Final Fire Safety Inspection, and

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
Steven Rodriguez  
BPB 0823

#### Accredited Certifiers / Building Regulation Consultants

Office 1300 057 046

Email admin@concise-cert.com.au

Address PO Box 2035, Taren Point NSW 2229

ABN 70 612 151 014

- After the building work has been completed and prior to any occupation certificate being issued in relation to the building.

As the applicant, being the person having the benefit of development consent, you are required under Section 81A of the Environmental Planning and Assessment Act 1979 to notify the Principal Contractor of the applicable critical stage inspections (specified above). We request that you allow a minimum of 48 hours notice for any critical stage inspection. Failure to request a critical stage inspection will prohibit the Principal Certifying Authority from issuing an Occupation Certificate.

You are also reminded that all works are to be carried out in strict accordance with the Construction Certificate plans. Any proposed changes may require an approval under a modified Construction Certificate. Failure to carry out works in strict compliance may result in a Notice of Intention to Serve an Order from our office being issued and intervention by the Local Authority (Council).

Furthermore, in accordance with the provisions of Section 109M of the Environmental Planning and Assessment Act 1979 you must not commence occupation or use until such time as the Principal Certifying Authority has issued an Occupation Certificate (Interim or Final). In this regard, we have attached the draft Occupation Certificate requirements list relevant to this development.

Please note that the quality of the development is the responsibility of the principal contractor's, owner builder, individual contractors and trades during the construction phase. This is not the role of the Principal Certifying Authority.


The NSW Office of Fair Trading have published a "Guide to Standards and Tolerances ISBN 0 73476010 8. The guide can be viewed from the Office of Fair Trading website at <http://www.fairtrading.nsw.gov.au/pdfs/corporate/publications/dft242.pdf>.

If you have any enquires regarding the details contained within the above, please do not hesitate to contact the undersigned.

Yours faithfully,



Steven Rodriguez - Director  
Concise Certification Pty Ltd



Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
**BPB 0823**

## APPENDIX A: DRAFT OCCUPATION CERTIFICATE REQUIREMENTS

The following list provides an indicative summary of the certificates and other supporting documentation that will be required by Concise Certification as part of the Occupation Certificate applications. This is a DRAFT ONLY and is not exhaustive and pending our inspections we may require additional documentation in order to be in a position to issue an Occupation Certificate. At this stage of the project, it is intended to give the applicant an indication of the documentation likely to be requested at the completion of the project, and will ensure necessary certificates are obtained from the relevant contractors throughout the project.

**Note 1:** The above summary does not elaborate on the requirements of all the DA Conditions and in this regard, we request that the consultants ensure that they have reviewed and are familiar with all other conditions relevant to their respective disciplines. Please contact our office to discuss any of the DA conditions if necessary.

**Note 2:** It is the responsibility of the project builder to ensure that all contractors on site are suitably licensed and qualified and have carried out works in accordance with all relevant codes, standards and development consent conditions and documentation approved under the Construction Certificate.

The following is a list of certificates required by our office for the issue of the Occupation Certificate/s:

NO.	DOCUMENTATION
Electronic Submission Requirements	
All electronic documents submitted with your application must satisfy the following criteria:	
1.	PDF Form - All documents, plans, application forms, etc. must be submitted in PDF form as a separate file (e.g. 1 x file for application forms, 1 x file for architectural plans, etc.)
2.	File Names - File naming conventions apply to all electronic documents, including plans and application forms. File names are to match the document (e.g. Item No.1 - OC Application Form 20 Davis Road, Wetherill Park, Item No.2 – S4.55 Modification - 20 Davis Road, Wetherill Park) etc.
Administrative	
1.	Please complete all relevant fields of the attached Occupation Certificate Application Form and resubmit together with the accompanying documentation.  <i>Note: Where it is proposed to apply for an Interim Occupation Certificate, the above application form must be accompanied by a mark-up plan clearly showing the areas being excluded from the application.</i>
2.	Provide confirmation to the effect that there have been no additional S4.55 Modifications issued by the Local Consent Authority that have not been considered/approved on our Construction Certificate approvals.  <u>Note:</u> An amended Construction Certificate will be required for any Section 96 modification approved after the issue of the Construction Certificate.
3.	Provide remittance of payment for the OC Application Fee (and any outstanding fees) which must be paid prior to the issue of the OC).

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
Steven Rodriguez  
BPB 0823



Identification Survey Report	
4.	<p>Provide an Identification Survey Report prepared by qualified Land Surveyor confirming the following:</p> <ul style="list-style-type: none"> <li>▪ RL levels for all floors and ridge lines of the building/s.</li> <li>▪ Setbacks to all allotment boundaries.</li> <li>▪ A statement that there are no encroachments onto adjoining lands and/or any registered easements.</li> <li>▪ A statement that the design is consistent with the approved development plans.</li> </ul>
Builder / Head Contractor Certification	
5.	<p>Builders Completion Letter - Provide a letter from the builder confirming that:</p> <ul style="list-style-type: none"> <li>▪ All building works have been carried out in a good and workmanlike manner by appropriately licensed contractors, in accordance with all relevant codes and standards and in accordance with the relevant Development Consent Conditions (DA) and documentation approved under the Construction Certificate.</li> <li>▪ All work undertaken comply and satisfy the relevant Australian Standards, Building Code of Australia and all Development Consent Conditions have been satisfied,</li> <li>▪ Any variations to the building design, as approved under the (CC), which may be contrary to the requirements of the DA consent and/or Building Code of Australia, have been appropriately disclosed to the PCA</li> <li>▪ All building works have been carried out in accordance with the BCA Performance Report and Fire Safety Engineering Reports accordingly.</li> <li>▪ All rectification works identified during the progress site inspection <u>and</u> also as listed in Section 3.0 of the Concise Certification OC Requirements list have been completed accordingly.</li> </ul>
Architectural Certification	
6.	<p>Provide certification from the architect to the effect that the building has been completed in accordance with the approved plans and schedule of finishes.</p>
Landscape Certification	
7.	<p>Provide certification from a landscape architect to the effect that the building has been completed in accordance with the approved plans and schedule of finishes.</p>
Structural Certification	
8.	<p>Provide a Structural Certificate from a qualified Structural Engineer for the following structural building elements.</p> <ul style="list-style-type: none"> <li>▪ Piling</li> <li>▪ Footings</li> <li>▪ Slab</li> <li>▪ Suspended Slabs</li> <li>▪ pre-post tensioned slabs</li> <li>▪ Retaining Walls</li> <li>▪ OSD Tanks</li> <li>▪ Structural Framework</li> <li>▪ Any other structural works</li> </ul>

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
BPB 0823

	<i>Note: Where the piling contract is separate to the structural engineers' scope/design, the piling works will require additional certification from the relevant consultants.</i>
Civil / Traffic Certification	
9.	Provide certification for works completed from the civil / structural engineer for the structural adequacy of all driveways, car park and vehicle manoeuvring areas and footpaths.
Civil / Traffic Certification	
10.	Provide certification for works completed from the civil / structural engineer for the structural adequacy of all driveways, car park and vehicle manoeuvring areas and footpaths. This includes certification attesting to fire brigade appliance access being suitable and in accordance with their Policy No.4
11.	Provide certification from civil engineer / traffic engineer verifying the layout and configuration of the carpark, as constructed, complies with AS2890.1-2004, AS2890.6, relevant Council policy and any specific requirements of the DA Consent (list specific DA conditions).
Civil / Stormwater / Hydraulic Certification	
12.	Provide certification from the civil engineer for the installation of the stormwater drainage system including submission of certified Works-As-Executed drawings (endorsed by a registered land surveyor) and certification to the effect that the system is consistent with the DA approved stormwater drainage detail(s).
13.	Provide certification that all plumbing and drainage works have been carried out in accordance with Volume 3 of the BCA and the relevant AS3500 series.
14.	Provide certification from the hydraulic engineer / plumber confirming Stormwater and Drainage is in accordance with: <ul style="list-style-type: none"> <li>▪ Building Code of Australia (Volume 1 and Volume 3)</li> <li>▪ Council's Stormwater Code</li> <li>▪ AS3500- National Plumbing and Drainage Code</li> <li>▪ Development Consent Conditions (Listing DA Conditions)</li> <li>▪ Approved Stormwater Plans</li> </ul>
15.	Provide a copy of the Section 73 Compliance Certificate from Sydney Water.
16.	Provide an inspection record from Sydney Water Coordinator confirming that the works under the Sydney Water's Building Plan Approval has been satisfied.
Electrical Certification	
17.	Provide certification from the electrical engineer / electrician confirming all electrical works are in accordance with: <ul style="list-style-type: none"> <li>▪ Building Code of Australia (Part F4 &amp; E4 of Volume 1).</li> <li>▪ AS3000-2018 – general electrical installations.</li> <li>▪ AS 1680.0-2009 – Interior / artificial lighting.</li> <li>▪ Internal and external artificial lighting, decorative or display lighting and power supply associated with boiling or chilled water storage units in accordance with Part J6 &amp; J8 of the BCA.</li> </ul>

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
Steven Rodriguez  
BPB 0823

Fire Certifications and Supporting Documentation	
18.	Provide a copy of the completed Fire Safety Certificate template provided by Concise Certification.
19.	Provide Individual certification from the respective sub-contractors for the installation of each individual essential fire safety measures listed in the Fire Safety Schedule (Refer to Fire Safety Certificate).
20.	Provide certification from the Fire Safety Engineer to the effect that all recommendations outlined in the fire engineering report have been addressed and implemented into the building works in accordance with the intent of the report and in compliance with the relevant Performance Requirements of the Building Code of Australia.
21.	<p>Provide certification in the form of a Clause 152 Final Fire Safety Report from Fire &amp; Rescue NSW is to be provided at the completion of the works.</p> <p><i>Note 1: All fire safety systems must be commissioned &amp; certified by the installation contractors and a fire safety systems witness test is to be conducted by Concise Certification prior to the Brigade inspection request.</i></p> <p><i>Note 2: An allowance of up to 4- 8 days should be made for the receipt of the FRNSW Letter and an additional 2 days for completion of any requirements that arise from their report.</i></p>
22.	Provide certification from the fire services contractor for the fire hydrant and <b>fire hose reels'</b> systems to BCA Clauses E1.3, E1.4 and AS2419.1-2005 & AS2441-2005.
23.	<p>Provide certification to the effect that the fire indicator panel has been installed in accordance with manufacturers specifications and the alarm system has been connected to an approved monitoring station.</p> <p><i>Note: A copy of the fire alarm connection notice is required from the relevant Fire Services Authority.</i></p>
24.	<p>Provide Commissioning Reports from the project fire services contractors (attached to their certifications) for the following fire services:</p> <ul style="list-style-type: none"> <li>▪ Fire hydrant system (including pressure and flow tests)</li> <li>▪ Sprinkler system (including pressure and flow tests)</li> <li>▪ Fire pumps (including pressure and flow tests)</li> </ul>
Access Certification	
25.	<p>Provide certification from the builder for the following:</p> <ul style="list-style-type: none"> <li>▪ Tactile Ground Surface Indicators have been provided in accordance with the BCA and AS1428.4.</li> <li>▪ Braille signage for persons with a disability have been implemented into the building design in accordance with Specification D3.6 of the Building Code of Australia. Ambulant sanitary facilities for persons with a disability have been constructed and implemented into the building in accordance with Part F2.5 of the Building Code of Australia and AS 1428.1-2009.</li> <li>▪ Door hardware has been installed as per BCA D3 and AS1428.1 requirements.</li> <li>▪ Decals have been installed in accordance with AS1288-2006 &amp; AS1428.1-2009 to all full height glazing.</li> </ul>
General Certifications	
26.	Provide certification for all glazing installations, including balustrade panels, shower screens & mirrors, to comply with AS1288-2006 (Glass in buildings – Selection and installation), including reference to wind loadings and human impact requirements.

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
**BPB 0823**

27.	<p>Provide an installation certificate confirming all roof coverings are in accordance with BCA Clause F1.5 and:</p> <ul style="list-style-type: none"> <li>▪ Roofing Tiles: AS2049 and AS2050</li> <li>▪ Metal Roofing: AS1562.1</li> <li>▪ Plastic Sheeting Roofing: AS/NZS 4256 Parts 1, 2, 3 and 5 and AS/NZS 1562.2</li> <li>▪ Asphalt Shingles: ASTM D3018-90</li> <li>▪ Pliable Membrane and Underlay: AS/NZS 4200 Parts 1 and 2.</li> </ul>
28.	<p>Provide an inspection report from Council's Engineers certifying that the constructed footpaths, driveways, kerbs, crossovers and gutters (as applicable) complies with Council's relevant requirements.</p> <p><i>Note: Where Council sign off is not required to be obtained, the builder is to certify all works in the Council reserve have been completed / rectified / reinstated in accordance with Council requirements.</i></p>
DA Conditions	
29.	<p>The following DA conditions are noted for your most urgent attention:</p> <ul style="list-style-type: none"> <li>▪ Condition XX:</li> </ul> <p>Note: Please contact our office for a summary of applicable DA conditions requiring attention.</p>

CONSTRUCTION CERTIFICATE – 170405-01  
Issued under the Environmental Planning and Assessment Act 1979

SUBJECT LAND

Address of Development: 20 Davis Road, Wetherill Park NSW 2164  
Lot/DP or Lot/SP: Lot 402 in DP 603454

APPLICANT DETAILS

Applicant: Suez Recycling & Recovery Pty Ltd  
Address: Level 4, 3 Rider Boulevard, Rhodes NSW 2138  
Phone:

OWNER DETAILS

Name: The Trust Company Australia ATF Suez Portfolio Trust

PROPOSED DEVELOPMENT

Description of Building Works: CC1: Stage 1 works including civil infrastructure works, fire services upgrade works, external hardstand works and temporary perimeter access road works as noted on the Staging Plan (only); which are associated with the overall alterations and additions to the existing waste transfer station.  
Note 1: This Stage 1 Construction Certificate excludes all Stage 2 building and civil works as noted on the staging plan.  
Note 2: This Stage 1 Construction Certificate excludes all external ancillary services, public infrastructure, civil works (or the like), as required by relevant authorities, that are located outside the allotment boundaries.

BCA Classifications: Class 5 & 8  
Value of Construction (incl. GST): \$3,279,506.00

DEVELOPMENT CONSENT

Development Application Number: SDD 7267 (as modified by) SSD 7267 MOD 1 & SSD 7267 MOD 2  
Date of Determination: 11/09/2017 (as modified on) 09/02/2018 & 04/04/2019  
Consent Authority: NSW Department of Planning, Industry and Environment  
Council Precinct: Fairfield City Council

CONSTRUCTION CERTIFICATE

Date of Construction Certificate Application: 28 February 2019  
Determination: Approved  
Date of Determination: 31 July 2019  
Attachments: Schedule 1 - Approved Plans & Documentation Relied Upon  
Schedule 2 - Fire Safety Schedule  
Conditions: There are no conditions pursuant to Clauses 144, 187 & 188 of the Environmental Planning & Assessment Regulation 2000 that apply to this approval.

DETAILS OF ANY PERFORMANCE SOLUTION REPORT

Title of Report: Fire Engineering Report  
Date of the Report: 17 June 2019  
Reference & Version Number: Report No: 18293-R01 Version: 2  
Name of Fire Safety Practitioner: Prepared by Jason Powell of Innova Services  
Accreditation Level: Category C10 – Accredited Certifier – Fire Safety Engineer  
Accreditation Number: BPB 0801  
Accreditation Body: Building Professionals Board

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
Steven Rodriguez  
BPB 0823



CERTIFYING AUTHORITY

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Accreditation Level: A1 – Accredited Certifier – Building Surveyor – Grade 1  
Registration Number: BPB 0823  
Accreditation Body: Building Professionals Board

I certify that:

*The work, if completed in accordance with the documentation accompanying the application for the certificate (with such modifications verified by the certifying authority as may be shown on that documentation), will comply with the requirements of the Environmental Planning and Assessment Regulations 2000 as are referred to in Section 81A (5) of the Environmental Planning and Assessment Act 1979.*

Signed:



Steven Rodriguez  
Accredited Certifier

Date: 31 July 2019

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
**BPB 0823**

SCHEDULE 1: APPROVED PLANS & DOCUMENTATION RELIED UPON – 170405-01

APPROVED ARCHITECTURAL PLANS

Drawing Name	Drawing No.	Prepared By	Date
Location Plan	CC00	Cornerstone Civil	11/06/2019
Staging Plan	CC01	Cornerstone Civil	11/06/2019
Site Plan	CC02	Cornerstone Civil	11/06/2019
Part Site Plan (Recycling Area)	CC03	Cornerstone Civil	11/06/2019
Floor Plan	CC04	Cornerstone Civil	11/06/2019
South & West Elevations	CC05	Cornerstone Civil	11/06/2019
North Elevation	CC06	Cornerstone Civil	11/06/2019
Vehicle Turning Template	CC07	Cornerstone Civil	11/06/2019
Stage 1 Vehicle Turning Template	CC08	Cornerstone Civil	11/06/2019
Stage 2 Vehicle Turning Template	CC09	Cornerstone Civil	11/06/2019
Vehicle Turning Template	CC10	Cornerstone Civil	11/06/2019

SUPPORTING DOCUMENTATION

	Document	Prepared by	Date
1.	Construction Certificate Application Form	Suez Recycling & Recovery Pty Ltd	28/02/2019
2.	PCA Application Form	Suez Recycling & Recovery Pty Ltd	09/07/2019
3.	Staged Certificate Letter	Suez Recycling & Recovery Pty Ltd	27/02/2019
4.	Voluntary Planning Agreement Statement	Suez Recycling & Recovery Pty Ltd	27/11/2017
5.	Civil Design Certificate	Sparks & Partners Consulting Engineers	18/06/2019
6.	Civil Plans (x15)	Sparks & Partners Consulting Engineers	As dated
7.	Survey Plans (x3)	Richard Horgan & Co	09/08/2018
8.	Fire Services Design Certificate	Sparks & Partners Consulting Engineers	17/06/2019
9.	Fire Services Competent Fire Safety Practitioner Appendix A	Leon Dimino/Sparks & Partners	24/09/2018
10.	Certificate of Currency (PI Insurance (Sparks & Partners))	CGU Professional Risks	28/03/2019
11.	Certificate of Currency - PI Insurance (Sparks & Partners)	Bovill Risk & Insurance Consultants	28/03/2019
12.	Fire Drawings (x7) - Sprinklers	Sparks & Partners Consulting Engineers	12/10/2018
13.	Fire Drawings (x8) - Hydraulic & Wet Fire Services	Sparks & Partners Consulting Engineers	12/10/2018 & 18/06/2019
14.	Annual Fire Safety Statement	Jacqueline Simmons - SUEZ	22/06/2019
15.	Fire Engineering Brief Questionnaire	Fire Rescue NSW	27/11/2018
16.	Fire Engineering Report (Issue No.2)	Innova Services	17/06/2019
17.	NSW Fire & Rescue Response Email (No review of CI.144)	Fire & Rescue NSW	15/07/2019
18.	Sydney Water Section 73 Compliance Certificate	Sydney Water	12/11/2018

Concise Certification Pty Ltd  
 Reference: 170405-01  
 Date: 31/07/2019  
 Issued for Information  
 Steven Rodriguez  
 BPB 0823

19.	Dilapidation Report	ACSES Engineers	01/12/2017
20.	Section 94A Contribution Receipt	Fairfield City Council	01/11/2017
21.	Sydney Water Trade Waste Agreement	Sydney Water	07/06/2017
22.	Fire & Emergency Response Plan	Sparks & Partners Consulting Engineers	05/06/2018
23.	Dept of Planning Approval - Flood Emergency Response	NSW Planning & Environment	17/12/2018
24.	FERP - Email response from Council	Fairfield City Council ( not sure which email to reference)	03/09/2018
25.	Contractor Transgrid Requirements	Cornerstone Civil	07/06/2019
26.	Transgrid Approval Email	Transgrid	07/02/2019
27.	Sydney Water Tap in	Sydney Water	27/08/2019
28.	Construction Environmental Management Plan	Benbow Environmental	24/06/2019
29.	Dept of Planning Approval - CEMP	NSW Planning & Environment	04/07/2019
30.	Long Service Levy	Long Service Corporation	11/06/2019
31.	Civil Services Design statement	Sparks & Partners Consulting Engineers	18/06/2019
32.	Architectural Design Statement	Envision Group	11/06/2019
33.	Sediment & Erosion Control Plan	Sparks & Partners Consulting Engineers	12/02/2018
34.	Fire Services Design statement	Sparks & Partners Consulting Engineers	17/06/2019
35.	Sydney Water Asset Building Plan Approval	RMA Infrastructure Pty Ltd	02/10/2018
36.	Tree Works Permit	Fairfield City Council	19/04/2019
37.	Arboricultural Impact Assessment report	NSW Tree Services Pty Ltd	28/03/2018
38.	Pre CC Inspection Record	Concise Certification Pty Ltd	19/06/2019

Concise Certification Pty Ltd

Reference: 170405-01

Date: 31/07/2019

Issued for Information

**Steven Rodriguez**

**BPB 0823**

SCHEDULE 2: FIRE SAFETY SCHEDULE – 170405-01

Issued under Clause 168 of the Environmental Planning & Assessment Regulation 2000

Address:	20 Davis Road, Wetherill Park NSW 2164
Development Application No.:	SDD 7267 (as modified by) SSD 7267 MOD 1 & SSD 7267 MOD 2
Construction Certificate No.:	Stage 1 CC: 170405-01

The following list of essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the Standard of Performance as listed in the schedule, which for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current Fire Safety Schedule for the building.

Statutory Fire Safety Measure	Standard of Performance	Existing	Proposed
Alarm Signaling Equipment	New: AS 1670.3 – 2018 and <b>Manufacturer's Specifications</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic Fire Suppression Systems	New: BCA Spec. E1.5 & AS 2118.1 – 2017, <b>Manufacturer's Specifications</b> ; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Building Occupant Warning System activated by the Sprinkler System	New: BCA Spec. E1.5, <b>Manufacturer's Specifications</b> ; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Lighting	Existing: AS 2293.1 – 2005 New: BCA Clause E4.2, E4.3, E4.4 & AS 2293.1 – 2018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Evacuation Plan	New: AS3745-2010; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019		
Exit Signs	Existing: AS2293.1-2005 New: BCA Clauses E4.5, E4.6, E4.8 & AS 2293.1 – 2018	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Control Centre and Rooms	New: BCA Spec E1.8	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Blankets	Existing: AS2444-2001	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Hose Reels	New: BCA Clause E1.4 & AS 2441 – 2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Hydrant Systems	Existing: AS2419.1-1988 New: BCA Clause E1.3 & AS 2419.1 – 2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Paths of Travel	Existing/New: EP&A Regulation Clause 186; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Perimeter Vehicular Access for Emergency Vehicles	New: BCA Clause C2.4; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
BPB 0823

Statutory Fire Safety Measure	Standard of Performance	Existing	Proposed
Portable Fire Extinguishers	Existing/New: BCA Clause E1.6 & AS 2444 – 2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019 – including the following BCA Performance Solutions:</p> <ul style="list-style-type: none"> <li>▪ <u>BCA Clause C2.4</u>: Rationalisation of the perimeter vehicular access road requirements around the building for brigade appliances.</li> <li>▪ <u>BCA Clause D1.4</u>: Rationalisation of the extended egress distances being up to 30 metres (in lieu of the 20 metres) from the furthest point of the floor to a point of choice where travel is available in alternative directions.</li> <li>▪ <u>BCA Clause D1.5</u>: Rationalisation of the extended egress distances being up to 75 metres (in lieu of the 60 metres) between alternative exits when measured back through a point of choice.</li> </ul>	<p>New: Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019 – addressing the following BCA Performance Requirements:</p> <ul style="list-style-type: none"> <li>▪ CP9, DP4 &amp; EP2.2</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
**BPB 0823**



## PRE CONSTRUCTION CERTIFICATE INSPECTION

Clause 143B, 143C and 162D of the Environmental Planning and Assessment Regulations 2000

### SUBJECT LAND

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Address of Development: 20 Davis Road, Wetherill Park NSW 2164  
Lot/DP: Lot 402 in DP 603454

### APPLICANT DETAILS

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Applicant: Jacquie Simmons  
Address: Level 4 3 Rider Blvd, Rhodes NSW 2138

### DEVELOPMENT APPLICATION

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Consent Authority: Fairfield City Council  
Development Application No: SDD 7267 (as modified by) SSD 7267 MOD 1, SSD 7267 MOD 2  
Description of Works: The Construction of the building and hardstand areas - excluding the hard paved access road (temporary road) (only) associated with the Minor alterations and additions, fire services upgrades and external civil works.

### CONSTRUCTION CERTIFICATE

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Accredited Certifier: Steven Rodriguez  
Construction Certificate No: 170405-01

### CERTIFYING AUTHORITY

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Accredited Certifier: Steven Rodriguez  
Inspection Date: 19 June 2019  
Accreditation No: BPB 0823

### INSPECTION RESULTS

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In accordance with Clause 143B of the Environmental Planning and Assessment Regulation 2000, I confirm that the proposed works that are subject to this Construction Certificate application had not commenced. The Construction Certificate drawings and specifications provided adequately and accurately depict the condition of the existing building/ site conditions.

Significant Fire Safety Issues – Clause 162D of the Environmental Planning and Assessment Regulations

Significant Fire Safety Issues have been identified within the building however these are being addressed via a voluntary fire and life safety upgrade strategy. As such Council has not been notified in writing in accordance with Clause 162D of the Environmental Planning and Assessment Regulations 2000.

Note: In accordance with Clause 162D(4) a Certifying Authority or Principal Certifying Authority is not required to give notice if the fire safety issue is being addressed by a Fire Order or by development that is the subject of the Construction Certificate application.

Concise Certification Pty Ltd  
Reference: 170405-01  
Date: 31/07/2019  
Issued for Information  
**Steven Rodriguez**  
BPB 0823

Significant Fire Safety Issues - Clause 162D of the Environmental Planning and Assessment Regulations

There are no obvious "significant" life safety matters that are required to be reported to Council under Clause 162D of the Environment Planning and Assessment Regulations 2000.

Note: In accordance with Clause 162D(4) a Certifying Authority or Principal Certifying Authority is not required to give notice if the fire safety issue is being addressed by a Fire Order or by development that is the subject of the Construction Certificate application.

This inspection record does not remove any liability from the building contractors responsible for the carrying out the works.

It is the responsibility of the project builder to ensure that all contractors on site are suitably licensed and qualified and have carried out works in accordance with all relevant codes, standards and development consent conditions and documentation approved under the Construction Certificate.

SIGNED BY:



Steven Rodriguez  
Concise Certification Pty Ltd

## Appendix A: Existing Fire Safety Measures

The Fire Safety Measures identified in the existing building are as follows:

Existing Fire Safety Measure	Yes	Existing Fire Safety Measure	Yes
Access Panels, Doors & Hoppers	<input type="checkbox"/>	Mechanical Air Handling Systems	<input type="checkbox"/>
Alarm Signalling Equipment	<input type="checkbox"/>	Paths of Travel	<input checked="" type="checkbox"/>
Automatic Fail Safe Devices	<input type="checkbox"/>	Perimeter Vehicular Access (partial)	<input checked="" type="checkbox"/>
Automatic Fire Detection & Alarm System (office)	<input checked="" type="checkbox"/>	Portable Fire Extinguishers	<input checked="" type="checkbox"/>
Automatic Fire Suppression Systems (Partial)	<input checked="" type="checkbox"/>	Pressurising Systems	<input type="checkbox"/>
Building Occupant Warning System (activated by the Sprinkler System)	<input type="checkbox"/>	Required Exit Doors (power operated)	<input type="checkbox"/>
Emergency Evacuation Plan	<input type="checkbox"/>	Residential Automatic Sprinkler System	<input type="checkbox"/>
Emergency Lifts	<input type="checkbox"/>	Safety Curtains in Proscenium Openings	<input type="checkbox"/>
Emergency Lighting	<input checked="" type="checkbox"/>	Self-Closing Fire Hoppers	<input type="checkbox"/>
Exit Signs	<input checked="" type="checkbox"/>	Smoke Alarms	<input type="checkbox"/>
Exit Signs (non-illuminated)	<input type="checkbox"/>	Smoke Dampers	<input type="checkbox"/>
EWIS	<input type="checkbox"/>	Smoke Doors	<input type="checkbox"/>
Fire Blankets	<input type="checkbox"/>	Smoke and Heat Vents	<input type="checkbox"/>
Fire Control Centres and Rooms	<input type="checkbox"/>	Smoke and/or Heat Alarm Systems	<input type="checkbox"/>
Fire Dampers	<input type="checkbox"/>	Smoke Hazard Management Systems	<input type="checkbox"/>
Fire Doors	<input type="checkbox"/>	Solid Core Doors	<input type="checkbox"/>
Fire Hose Reels	<input checked="" type="checkbox"/>	Stand-by Power Systems	<input type="checkbox"/>
Fire Hydrant Systems	<input checked="" type="checkbox"/>	Wall-Wetting Sprinklers	<input type="checkbox"/>
Fire Seals	<input type="checkbox"/>	Warning & Operational Signs	<input type="checkbox"/>
Fire Shutters	<input type="checkbox"/>	Fire Engineering Reports	<input type="checkbox"/>
Fire Windows	<input type="checkbox"/>	Other	<input type="checkbox"/>
Lightweight Construction	<input type="checkbox"/>		

SCHEDULE 2: FIRE SAFETY SCHEDULE – 170405-01

Issued under Clause 168 of the Environmental Planning & Assessment Regulation 2000

Address:	20 Davis Road, Wetherill Park NSW 2164
Development Application No.:	SDD 7267 (as modified by) SSD 7267 MOD 1 & SSD 7267 MOD 2
Construction Certificate No.:	Stage 1 CC: 170405-01

The following list of essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the Standard of Performance as listed in the schedule, which for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current Fire Safety Schedule for the building.

Statutory Fire Safety Measure	Standard of Performance	Existing	Proposed
Alarm Signaling Equipment	New: AS 1670.3 – 2018 and Manufacturer's Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic Fire Suppression Systems	New: BCA Spec. E1.5 & AS 2118.1 – 2017, Manufacturer's Specifications; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Building Occupant Warning System activated by the Sprinkler System	New: BCA Spec. E1.5, Manufacturer's Specifications; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Lighting	Existing: AS 2293.1 – 2005 New: BCA Clause E4.2, E4.3, E4.4 & AS 2293.1 – 2018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Evacuation Plan	New: AS3745-2010; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019		
Exit Signs	Existing: AS2293.1-2005 New: BCA Clauses E4.5, E4.6, E4.8 & AS 2293.1 – 2018	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Control Centre and Rooms	New: BCA Spec E1.8	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Blankets	Existing: AS2444-2001	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Hose Reels	New: BCA Clause E1.4 & AS 2441 – 2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Hydrant Systems	Existing: AS2419.1-1988 New: BCA Clause E1.3 & AS 2419.1 – 2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Paths of Travel	Existing/New: EP&A Regulation Clause 186; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Perimeter Vehicular Access for Emergency Vehicles	New: BCA Clause C2.4; & Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Conrise Certification Pty Ltd  
 Reference: 170405-01  
 Date: 31/07/2019  
 Supporting Documents Relied Upon  
**Steven Rodriguez**  
**BPB 0823**  
 Construction Certificate | Page 5 of 6

Statutory Fire Safety Measure	Standard of Performance	Existing	Proposed
Portable Fire Extinguishers	Existing/New: BCA Clause E1.6 & AS 2444 – 2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019 – including the following BCA Performance Solutions:</p> <ul style="list-style-type: none"> <li>▪ <u>BCA Clause C2.4</u>: Rationalisation of the perimeter vehicular access road requirements around the building for brigade appliances.</li> <li>▪ <u>BCA Clause D1.4</u>: Rationalisation of the extended egress distances being up to 30 metres (in lieu of the 20 metres) from the furthest point of the floor to a point of choice where travel is available in alternative directions.</li> <li>▪ <u>BCA Clause D1.5</u>: Rationalisation of the extended egress distances being up to 75 metres (in lieu of the 60 metres) between alternative exits when measured back through a point of choice.</li> </ul>	<p>New: Fire Engineering Report No.18293-R01 (Issue No. 2), prepared by Innova Services dated 17 June 2019 – addressing the following BCA Performance Requirements:</p> <ul style="list-style-type: none"> <li>▪ CP9, DP4 &amp; EP2.2</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Concise Certification Pty Ltd  
 Reference: 170405-01  
 Date: 31/07/2019  
 Supporting Documents Relied Upon  
**Steven Rodriguez**  
**BPB 0823**



Appendix A: Existing Fire Safety Measures

The Fire Safety Measures identified in the existing building are as follows:

Existing Fire Safety Measure	Yes	Existing Fire Safety Measure	Yes
Access Panels, Doors & Hoppers	<input type="checkbox"/>	Mechanical Air Handling Systems	<input type="checkbox"/>
Alarm Signalling Equipment	<input type="checkbox"/>	Paths of Travel	<input checked="" type="checkbox"/>
Automatic Fail Safe Devices	<input type="checkbox"/>	Perimeter Vehicular Access (partial)	<input checked="" type="checkbox"/>
Automatic Fire Detection & Alarm System (office)	<input checked="" type="checkbox"/>	Portable Fire Extinguishers	<input checked="" type="checkbox"/>
Automatic Fire Suppression Systems (Partial)	<input checked="" type="checkbox"/>	Pressurising Systems	<input type="checkbox"/>
Building Occupant Warning System (activated by the Sprinkler System)	<input type="checkbox"/>	Required Exit Doors (power operated)	<input type="checkbox"/>
Emergency Evacuation Plan	<input type="checkbox"/>	Residential Automatic Sprinkler System	<input type="checkbox"/>
Emergency Lifts	<input type="checkbox"/>	Safety Curtains in Proscenium Openings	<input type="checkbox"/>
Emergency Lighting	<input checked="" type="checkbox"/>	Self-Closing Fire Hoppers	<input type="checkbox"/>
Exit Signs	<input checked="" type="checkbox"/>	Smoke Alarms	<input type="checkbox"/>
Exit Signs (non-illuminated)	<input type="checkbox"/>	Smoke Dampers	<input type="checkbox"/>
EWIS	<input type="checkbox"/>	Smoke Doors	<input type="checkbox"/>
Fire Blankets	<input type="checkbox"/>	Smoke and Heat Vents	<input type="checkbox"/>
Fire Control Centres and Rooms	<input type="checkbox"/>	Smoke and/or Heat Alarm Systems	<input type="checkbox"/>
Fire Dampers	<input type="checkbox"/>	Smoke Hazard Management Systems	<input type="checkbox"/>
Fire Doors	<input type="checkbox"/>	Solid Core Doors	<input type="checkbox"/>
Fire Hose Reels	<input checked="" type="checkbox"/>	Stand-by Power Systems	<input type="checkbox"/>
Fire Hydrant Systems	<input checked="" type="checkbox"/>	Wall-Wetting Sprinklers	<input type="checkbox"/>
Fire Seals	<input type="checkbox"/>	Warning & Operational Signs	<input type="checkbox"/>
Fire Shutters	<input type="checkbox"/>	Fire Engineering Reports	<input type="checkbox"/>
Fire Windows	<input type="checkbox"/>	Other	<input type="checkbox"/>
Lightweight Construction	<input type="checkbox"/>		

Concise Certification Pty Ltd

Reference: 170405-01

Date: 31/07/2019

Supporting Documents Relied Upon

**Steven Rodriguez**

**BPB 0823**

Page 3 of 3

15/11/2019

Jacquie Simmons  
Suez Resource Recovery Facility  
20 Davis Rd Wetherill Park, NSW 2164

Re Installation Certificate

Dear Jacquie,

We have completed our installation of a Deodouriser misting system as per our submitted quotation dated 16<sup>th</sup> October 2019

18LPM 1,000psi Pump installed

440 meters 4ml stainless steel cable installed

350 meters 3/8 high pressure hose installed

203 spinner assisted nozzles installed

8 x winches installed

4 x catenary lines installed

Water supply, dosing system, pump pressure, automation control checked and certified



Kind Regards  
Bob Barrett  
Deodouriser Pty Ltd

## **APPENDIX K      REGULATORY CORRESPONDANCE**



DOC20/136075

Ms Jacquie Simmons  
Site Manager – Wetherill Park Resource Recovery Facility  
SUEZ Recycling & Recovery  
20 Davis Road  
WETHERILL PARK NSW 2164

**BY EMAIL**  
20 February 2020

Dear Ms Simmons,

### **Recycling plant area – Wetherill Park Resource Recovery Centre**

I refer to the Environment Protection Authority's (**EPA**) recent inspections of the SUEZ operated Wetherill Park Resource Recovery Facility (**the Premises**) under Environment Protection Licence 4548.

#### **Inspection on 13 January 2020**

On the 13 January 2020, the EPA inspected the Premises after a recent complaint from the public about the storage of large amounts of paper and cardboard in the recycling plant area (**Recycling Area**). The complainant also mentioned that paper was blowing around the facility and over the boundary fence.

During the inspection, piles of stored paper and cardboard were observed spilling out of the Recycling Area (Image 1). The EPA understands that on this day there were multiple machine failures. However, there did not appear to be adequate procedures in place to deal with this scenario.

#### **Inspection on 18 February 2020**

On the 18 February 2020, the EPA inspected the Premises again and observed paper spilling out of the Recycling Area (Image 2). Multiple bails were piled and stored within the Recycling Area with additional bails stored between the Recycling Area and the receival hall (Image 3).

During both inspections, the litter prevention curtains were open.

## Procedures for the Recycling Area

The EPA has concerns about the storage of paper and cardboard within and around the Recycling Area. By **5pm on Tuesday 3 March 2020**, could you please provide the following information or documents to [waste.operations@epa.nsw.gov.au](mailto:waste.operations@epa.nsw.gov.au):

1. Outline the current procedures in place for the storage and processing of material in the Recycling Area.
2. Provide a copy of the 'Fire Engineering Brief Questionnaire' submitted as part of your DA application. Please include any responses you provided to questions raised by Fire and Rescue NSW's review of the document.
3. Provide weighbridge data from 1 January 2020 until 21 February 2020 inclusive. Please include the opening stock on 1 January 2020.

Should you require further information please contact Nadine Constantinou on (02) 9995 5654.

Yours sincerely



**TREVOR WILSON**  
**Unit Head – Waste Compliance**  
**Environment Protection Authority**

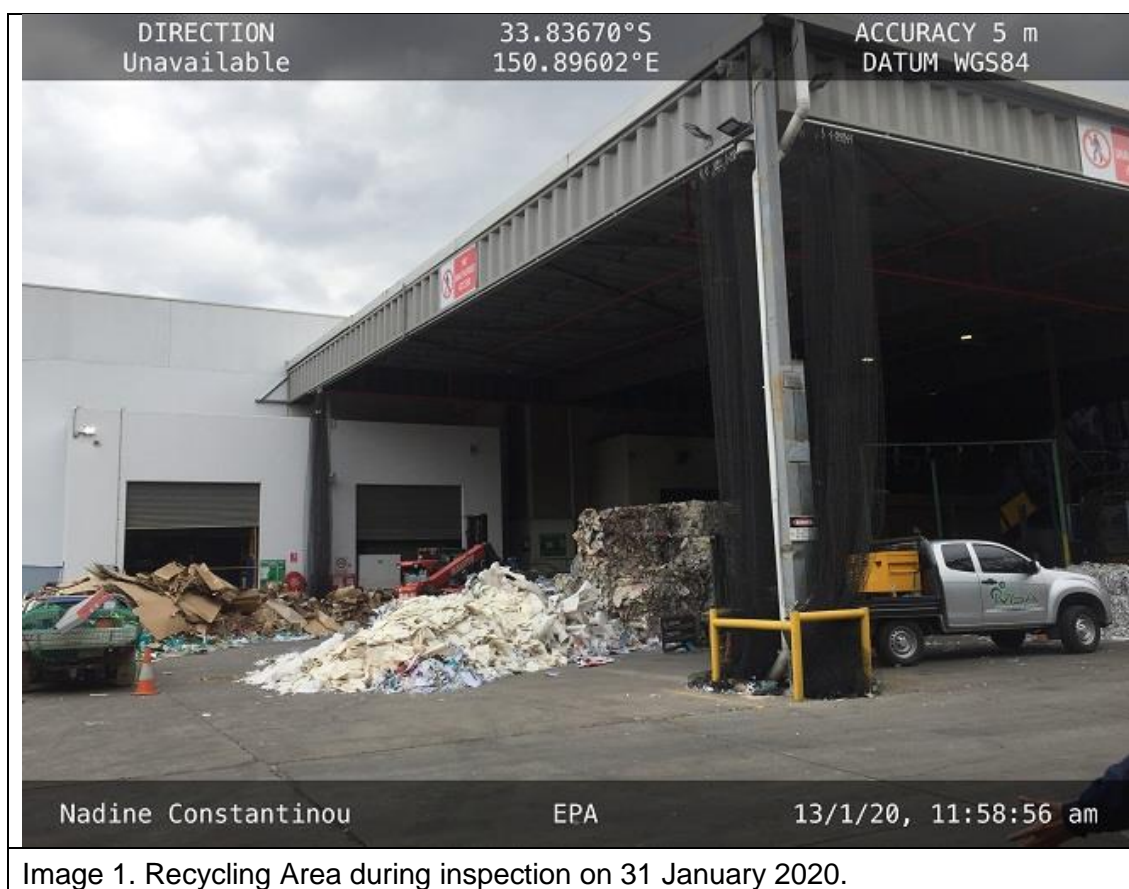


Image 1. Recycling Area during inspection on 31 January 2020.



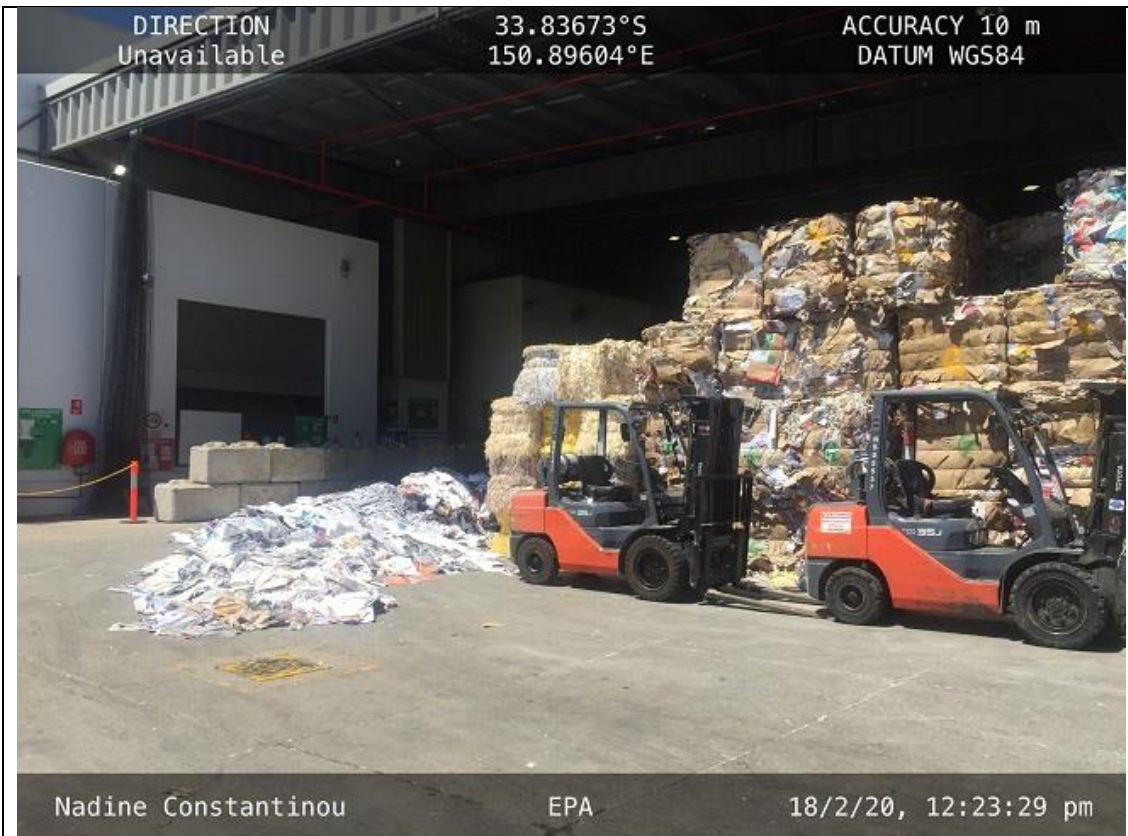


Image 2. Recycling Area during inspection on 18 February 2020.



Image 3. Storage of bails during inspection on 18 February 2020.

27/2/2020

Trevor Wilson

Unit Head – Waste Compliance  
Waste and Resource Recovery,  
NSW Environment Protection Authority

**RE: Recycling Plant Area – Wetherill Park Resource Recovery Centre  
EPA Refence Number DOC20/75208**

Dear Trevor,

I refer to the letter received from the EPA on 20 February 2020 (EPA Reference No, DOC20/136075) in regard to the Recycling plant area at Wetherill Park Resource Recovery Centre operated under EPL 4548.

Please note that, due to offtake recent restrictions, including the fires at Tumut, restricting the Visy operation and recent restrictions to China, we have had a backlog of material. We have also reviewed out current documented procedures and have determined the operation handling of the bailing process has not been adequately documented. Thus, the attached procedure has recently been tool boxed with all Wetherill Park employees, see attached toolbox records.

As requested in the letter please find attached

- The outline of the current procedures in place for the storage and processing of material in the Recycling Area.
- Copy of the 'Fire Engineering Brief Questionnaire' submitted as part of your DA application and responses provided to questions raised by Fire and Rescue NSW's review of the document.
- Weighbridge data from 1 January 2020 until 21 February 2020 inclusive. The opening stock on 1 January 2020 was 371.9 tonnes.

Please have no hesitation in contacting the undersigned for any further information.

Regards,



Aaron Svensson  
Site Manager  
Auburn and Wetherill Park  
SUEZ Recycling & Recovery  
Mob: +61 (0) 432 848 408  
Email: aaron.svensson@suez.com

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