



**VEOLIA**

**ENVIRONMENTAL SERVICES**

Technical and Engineering Division

# **ANNUAL TRUCK NOISE MEASUREMENTS**

**CLYDE TRANSFER TERMINAL**

**AUGUST 2010**

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## QUALITY INFORMATION

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# TABLE OF CONTENTS

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<b>1. INTRODUCTION .....</b>	<b>1</b>
<b>2. NOISE LIMIT CRITERIA .....</b>	<b>3</b>
<b>3. MEASUREMENT METHODOLOGY .....</b>	<b>4</b>
<b>4. NOISE MEASUREMENT RESULTS.....</b>	<b>6</b>
<b>5. DISCUSSION .....</b>	<b>7</b>
<b>6. CONCLUSIONS .....</b>	<b>8</b>
<b>7. REFERENCES .....</b>	<b>9</b>
<b>8. APPENDICES .....</b>	<b>11</b>
<i>Appendix A Truck Noise Monitoring Location .....</i>	<i>a</i>
<i>Appendix B Sound Level Meter Calibration Certificates.....</i>	<i>b</i>
<i>Appendix C Weighbridge Records.....</i>	<i>c</i>
<i>Appendix D Truck Noise Measurement Field Sheets.....</i>	<i>d</i>

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# 1. INTRODUCTION

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The Clyde Transfer Terminal (the Terminal) is located at 322 Parramatta Road, Auburn, and operates as a waste transfer facility to containerise putrescible waste for rail transport to Veolia Environmental Services' (VES) Woodlawn Eco-Precinct.

The Terminal was issued with Conditions of Development Consent (CODC) by the Department of Planning (DOP), which are attached to the Development Consent. The CODC include a requirement to assess heavy vehicle noise with limits specified in Australian Design Rule 28/01 (ADR 28/01). A modification application was submitted to the DOP demonstrating the inability of VES to conduct truck noise assessments in accordance with Condition 112, supported with an alternate assessment method prepared by Heggies Pty Ltd (Heggies) and titled "*Truck Noise Monitoring – Proposed Test Management Plan*" (PTMP, 2008). Modification to Condition 112 was granted on 25 September 2008 with reference to the method outlined by Heggies in the PTMP (2008).

The requirements of the modified Condition 112 are as follows:

*The Applicant shall implement a Heavy Vehicle Noise Monitoring Management Program for the development to the satisfaction of the Director-General. This program must:*

- (a) monitor heavy vehicle noise on site, in accordance with the methods outlined in the "Truck Noise Monitoring – Proposed Test and Management Plan" prepared by Heggies and dated 26 May 2008;*
- (b) be undertaken quarterly for a year starting in October 2008, and annually thereafter, unless otherwise agreed by the Director-General;*
- (c) measure at least 25% of the heavy vehicles visiting the site;*
- (d) identify heavy vehicles exceeding the relevant noise criteria specified in the Australian Design Rule 28/01, or its successor, and ensure that the owners of these subsequently comply with the relevant noise criteria;*
- (e) report the number of non-compliant heavy vehicles identified and the actions undertaken to address these non-compliances in the Annual Environmental Monitoring Report; and*



(f) *be amended, should the monitoring activities not achieve the aim of the program to the satisfaction of the Director-General.*

Heggies was engaged by VES to carry out the initial four rounds of quarterly truck noise assessments, however the first annual truck noise measurement report (the Report) has been prepared by the VES Technical and Engineering Division. The Report presents the results of the fifth round of truck noise monitoring in accordance with the modified Condition 112.

The truck noise monitoring was conducted by VES Environmental Monitoring Technician on 5 August 2010 from approximately 7:15AM to 12:00PM. The timing of monitoring was scheduled to coincide with the Terminal's peak waste receipt times in order to achieve the minimum measurement of 25% of waste truck movements as specified in Condition 112(c).





## 2. NOISE LIMIT CRITERIA

The noise limit criteria for maximum allowable noise levels for Goods Vehicles described in the PTMP (2008) are provided in Table 1 below...

**Table 1:** L<sub>Amax</sub> Noise Limits (dBA) – ADR 28/01

Vehicle Category Code	Vehicle Type	Vehicles In Motion	Stationary Vehicles			
		Direct Injection & Spark Ignition Diesel Engines	Spark Ignition Engines Exhaust Outlet Height		Direct Injection Engines Exhaust Outlet Height	
			<1500mm	≤1500mm	<1500mm	≤1500mm
NA	Light Goods Vehicles GVM ≤3.5t on road use	78 to 80	89	85	99	95
NB	Medium Goods Vehicles GVM >3.5t ≤12t on road use	81 to 84	95	91	101	97
NC	Heavy Goods Vehicles GVM >12t on road use	81 to 87	95	91	103	99

**Note:** For vehicles in motion test, L<sub>Amax</sub> noise limits are based on the Gross Vehicle Mass (GVM) and the Nett Engine Power (NEP). The noise limits in the table are expressed as a range where the lower noise level refers to the minimum GVM and NEP in each category and the upper noise level refers to the maximum GVM and NEP in each category.

Waste collection trucks entering the Terminal are loaded vehicles and generally weigh over 12 tonnes. For the purpose of assessment, Vehicle Category Code “NC”, for Heavy Goods Vehicles GVM > 12t on road use with a Net Engine Power (NEP) of greater than 150 kilowatts (kW) has been applied. The upper limit (87dBA) of the NC range provided in Table 1 will be used to assess truck noise measurements. This is consistent with the assessment criteria applied by Heggies in previous monitoring rounds.



### 3. MEASUREMENT METHODOLOGY

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The first quarterly truck noise monitoring at the Terminal was conducted on 15 October 2008 to satisfy the requirements of the ADR 28/01 and modified Condition 112, by measuring the noise outputs from waste trucks operating within the Terminal boundary. The same measurement location and techniques have been employed for this monitoring round.

The monitoring location from which the truck noise was measured was consistent with previous monitoring rounds conducted by Heggies. This was at a distance of 7.5 metres from the path of the vehicles centreline and a height of 1.2 metres above the test site surface, which was the vehicle entrance ramp from the weighbridge to the Terminal building. Trucks accelerating at this location, which is shown in **Appendix A**, were measured in line with the “Vehicles in Motion” test requirement where the vehicle was operating under full throttle adjacent to the microphone of the sound level measuring equipment. This methodology was considered to be most representative of the ADR 28/01 testing requirements. Further background information regarding measurement location and methodology is detailed in the PTMP (2008).

Measurements were taken with a Quest Technologies SoundPro SE/DL Type 1 Sound Level Meter, using an A-weighting ( $L_A$ ) filter network and fast response time constant as required under ADR 28/01. The ( $L_A$ ) filter ensured that the sound level meter was less sensitive to very high and very low frequencies. Calibration of the Sound Level Meter was completed prior to monitoring by Airmet Scientific. The calibration certificates are included in **Appendix B**.

For each truck movement a  $L_A$  maximum noise level measurement was recorded. Additional information on each truck movement was noted (where possible) to assist in identification of trucks exceeding noise criteria, including:

- Company;
- Make;
- Lift Type;
- Registration; and
- Exhaust Location.



The collected data was cross referenced with the Terminal's weighbridge records for 5 August 2010, which are provided in **Appendix C**, to identify trucks measured during this sampling period and to calculate the percentage of trucks sampled.



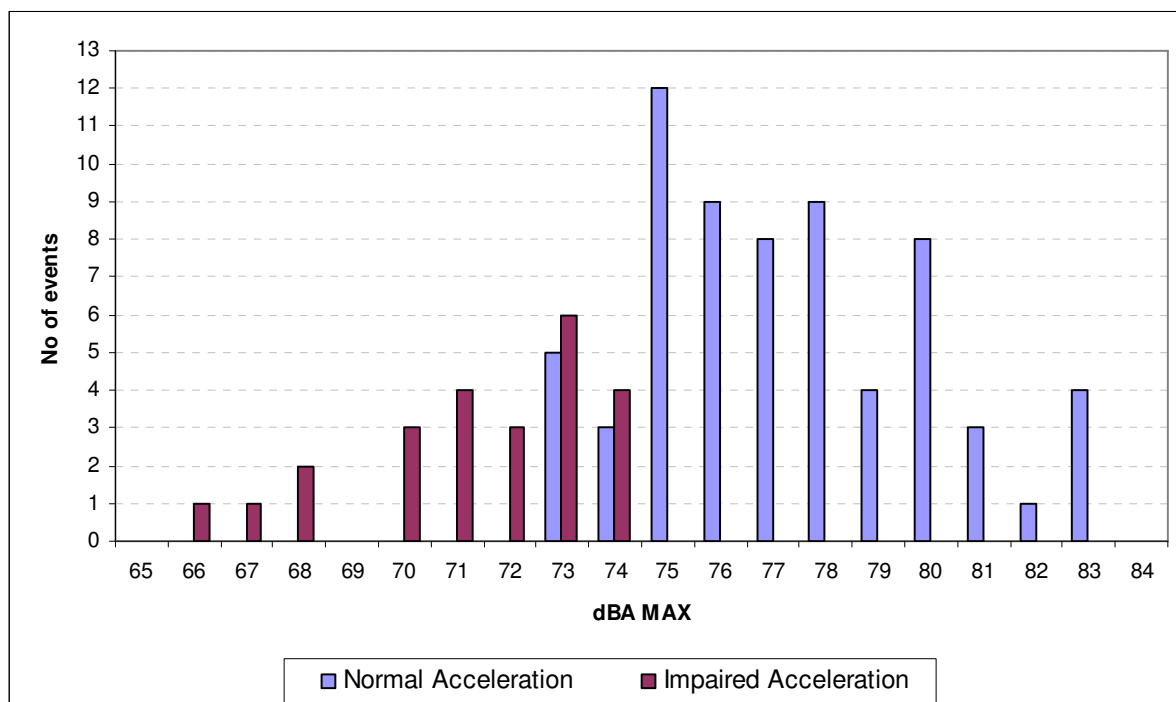
## 4. NOISE MEASUREMENT RESULTS

A total of 90 truck movements were observed entering the Terminal building and a measurement for each vehicle pass-by event was taken as the trucks accelerated on the entrance ramp. 24 of these measurements were under impeded traffic conditions, such as queuing of waste trucks to enter the Terminal building during busy periods or idling of engines. These conditions affected the representative quality of the noise measurements. Field sheets of the measured sound levels of each pass-by event are included in **Appendix D**.

A total measurement of 37.5% of all truck movements (290) was achieved during this monitoring round, which satisfies the minimum requirements of Condition 112.

**Figure 1** presents the distribution of recorded sound levels which were measured in A-weighted decibels (dBA). Measurements with normal truck acceleration ranged from 73dBA to 83dBA with the highest frequency occurring between 75dBA to 78dBA. Impaired acceleration readings due to the impeded traffic conditions ranged from 66dBA to 74dBA; these were plotted separately from the normal distribution as seen below.

**Figure 1:** Noise level distribution from Truck Noise Monitoring – 5 August 2010





## 5. DISCUSSION

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Comparison of noise measurement results against the limits specified in ADR 28/01 (refer to **Table 1**) indicates that all trucks entering the Terminal in this monitoring round were within the acceptable noise criteria for the NC category vehicles (<87dBA). Driver behaviour was also noticed to influence noise measurements, with faster acceleration leading to higher noise recordings.

Extraneous noise from the Terminal's operations such as plant noise (forklift, front end loader and road sweeper) and surrounding areas (Parramatta Road, train tracks) was deemed insufficient to influence waste truck noise measurements. The noise wall located adjacent to the exit ramp, on the North-western boundary of the Terminal, also assisted in focussing noise measurements on truck movements into the facility.

No noise complaints pertaining to the Terminal's operations were received between truck noise monitoring rounds. This indicates that noise impacts from waste truck movements at the Terminal boundary are within the Terminal and surrounding area background noise levels.



## 6. CONCLUSIONS

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Truck noise monitoring was completed on 5 August 2010 between 7:15AM and 12:00PM. The results indicated:

- 90 truck noise measurements were completed.
- All measured trucks were identified against weighbridge records for accuracy of testing data for reporting.
- All truck noise measurements were within the 87dBA for NC category vehicle noise criteria of ADR 28/01 and hence did not exceed the trigger limits.
- A total of 37.5% of truck movements were measured, which satisfies the minimum 25% requirement of Condition 112.
- Extraneous noise was not deemed to influence the truck noise assessments.
- No noise complaints pertaining to the Terminal's operations were received since the previous truck noise monitoring round.
- Truck noise impacts at the Terminal boundary are considered to be within background levels.



## 7. REFERENCES

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- ADR 28/01 Vehicle Standard Australian Design Rule 28/01 – External Noise of Motor Vehicles), 2006. Federal Register of Legislative Instruments F2006L01279. Australian Government.
- PTMP (2008) Clyde Waste Transfer Facility – Truck Noise Monitoring Proposed Test and Management Plan, 2008. Heggies Pty Ltd.

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## 8. APPENDICES

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## **Appendix A    Truck Noise Monitoring Location**

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## **Appendix B      Sound Level Meter Calibration Certificates**

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## **Appendix C      Weighbridge Records**

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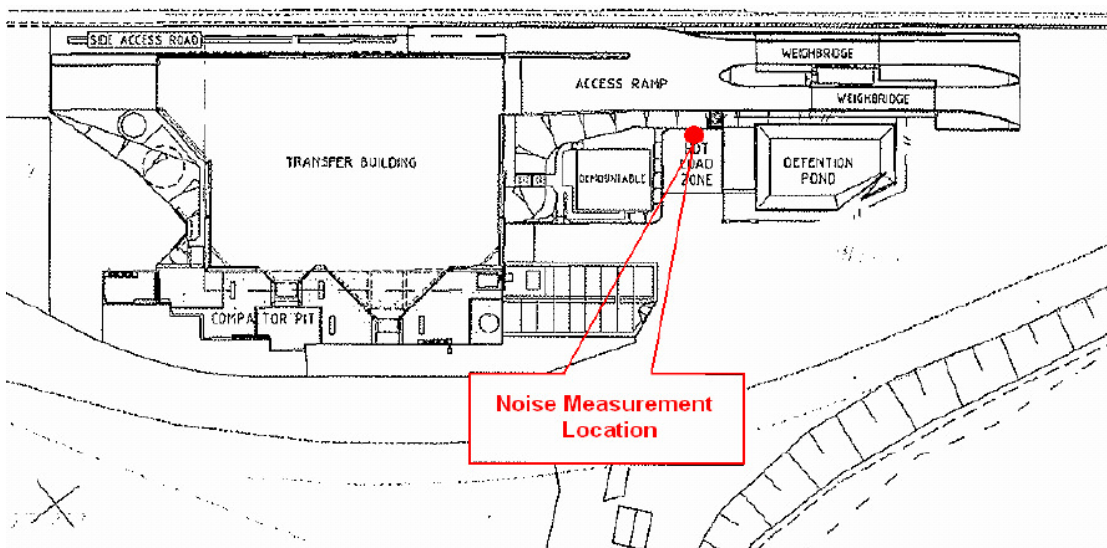
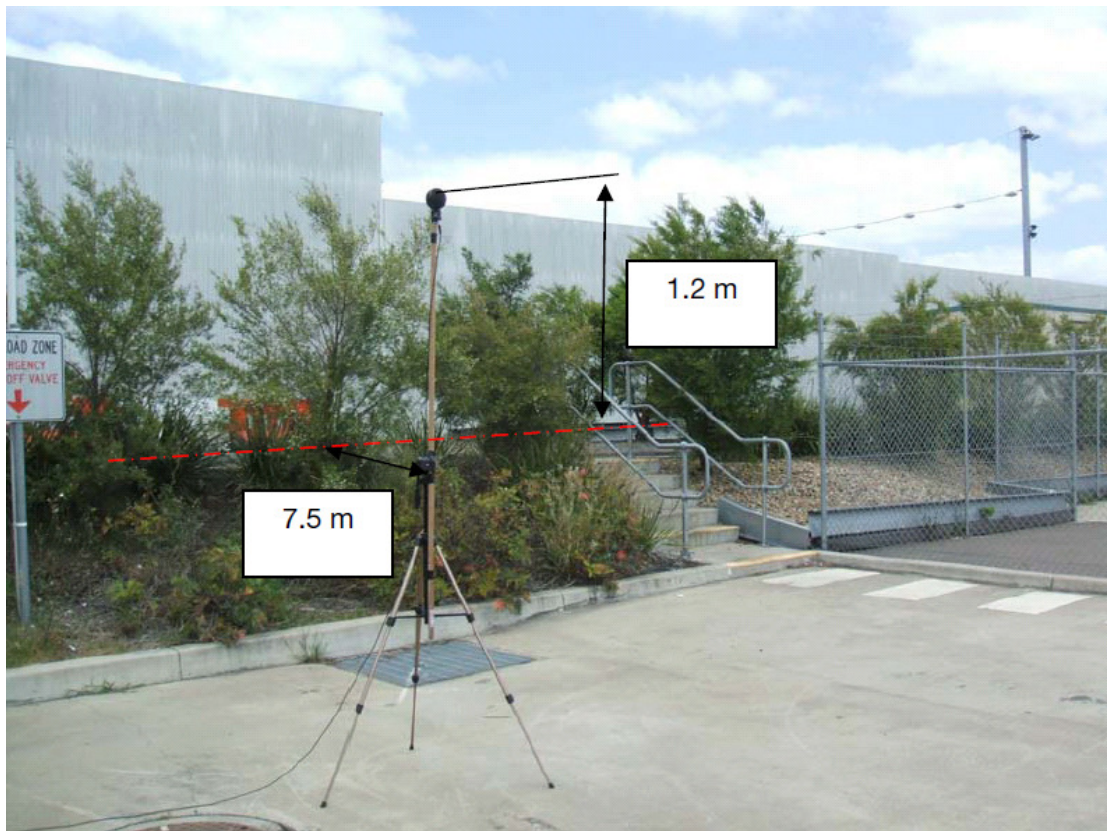
## **Appendix D    Truck Noise Measurement Field Sheets**

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## Truck Noise Monitoring Location



# CERTIFICATE OF CALIBRATION

CERTIFICATE NO: 10824

**EQUIPMENT TESTED:** Sound Level Calibrator

**Manufacturer:** Quest  
**Type No:** QC-10      **Serial No:** QE6080185  
**Owner:** Allara Instrument Hire  
Suite 8, 17-23 Myrtle Street  
North Sydney, NSW 2060

**Tests Performed:** Measured output sound pressure level was found to be:  
Before adjustment: 94.00 dB re 20 uPa at 1005.6 Hz THD < 1%.  
After adjustment: 94.00 dB re 20 uPa at 1005.6 Hz THD < 1%.  
**Uncertainty**      Output  $\pm 0.11$  dB  
(at 95% c.l.) k=2:      Freq.  $\pm 0.05$  Hz

**CONDITION OF TEST:**

**Ambient Pressure:** 1000 hPa  $\pm 1.5$  hPa      **Relative Humidity:** 36 % RH  $\pm 5\%$   
**Temperature:** 23 °C  $\pm 2^\circ$  C  
**Date of Calibration:** 04/12/2009      **Issue Date:** 04/12/2009  
**Acu-Vib Test Procedure:** AVP02 (Calibrators)  
**Test Method:** AS IEC 60942 - 2004

**CHECKED BY:** *[Signature]*      **AUTHORISED SIGNATORY:** *[Signature]*

*Jack Kidd*

This document is issued in accordance with NATA's accreditation requirements.  
Accredited for compliance with ISO/IEC 107025  
The results of the tests, calibration and/or measurements included in this document are traceable to Australian/national standards.



Accredited Lab. 9262  
Acoustic and Vibration  
Measurements



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Mobile: 0413 809808  
Web site: www.acu-vib.com.au

**Sound Level Meter**



**airmet**

Air-Met Scientific Pty Ltd  
1300 137 067

Instrument      Sound Pro  
Serial No.      BLI090010

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Battery Holder	✓	
	Alkaline Battery	✓	
	Cover	✓	
	Output	✓	
Switch/Keypad	Operation	✓	
Display	Intensity	✓	
	Operation	✓	
Microphone	Type	✓	
	Socket	✓	
	Plug	✓	
PCB	Condition	✓	
Calibrator	Condition	✓	
	Battery Holder	✓	
	IVAC Output	✓	
	Frequency	✓	
A Weighting	Operation	✓	
C Weighting	Operation	✓	
Software	Version		
Datalogger	Operation	✓	
Download	Operation	✓	
Other Tests			

**Certificate of Calibration**

This is to certify that the above instrument has been calibrated to the following specifications:

Frequency	Db	Volts AC	Certified	Calibration Equipment	Instrument Reading	
					Before	After
1Khz	114Db	1 Vac	NATA	QE6080185	114dB	114dB

Calibrated by:  Amy Jones

Calibration date: 04-Aug-10

Next calibration due: 31-Jan-11

09.08.2010

Dynamic List Display

BP QUANTITIES AND CHARGES

Date : 05/08/2010 To 05/08/2010

Plant: 1219

Reversal Id:

Transaction E

Waste Disj	Posting Da	Gross_ Wt	Tare_ Wt	Wt in PWS	Dock License	Nc Weigh	Noti Customer	I Customer Name
W-2CLYTF05.08.2010	0:18:29	0:18:29	1.22E+09	BA11SO	287777	220130	Enfield Bulk	
W-2CLYTF05.08.2010	0:25:36	0:25:36	1.22E+09	ZHW212	287778	20003113	Eco Sense Environmental P/L	
W-2CLYTF05.08.2010	0:28:31	0:28:31	1.22E+09	AY91GG	287779	20013621	Sita Environmental Solutions	
W-2CLYTF05.08.2010	0:44:12	0:44:12	1.22E+09	AI24JY	287781	20015599	Dimeo Waste Services Pty Ltd	
W-2CLYTF05.08.2010	0:50:18	0:50:18	1.22E+09	WZE424	287782	20026538	Transpacific Cleanaway	
W-2CLYTF05.08.2010	0:53:27	0:53:27	1.22E+09	YTS175	287783	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	0:57:24	0:57:24	1.22E+09	AJ65CJ	287784	20018592	Remondis	
W-2CLYTF05.08.2010	1:04:56	1:04:56	1.22E+09	BLM007	287785	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	1:05:34	1:05:34	1.22E+09	AY76VN	287786	220410	Enfield RearLift	
W-2CLYTF05.08.2010	1:06:47	1:06:47	1.22E+09	AZ87EY	287787	20003113	Eco Sense Environmental P/L	
W-2CLYTF05.08.2010	1:11:49	1:11:49	1.22E+09	FLIFT2	287788	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	1:16:29	1:16:29	1.22E+09	AR04UI	287789	20015599	Dimeo Waste Services Pty Ltd	
W-2CLYTF05.08.2010	1:28:46	1:28:46	1.22E+09	AR09AM	287791	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	1:41:38	1:41:38	1.22E+09	GAL203	287792	20003066	Galloway Environmental Waste	
W-2CLYTF05.08.2010	1:45:29	1:45:29	1.22E+09	AB43JX	287793	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	1:48:56	1:48:56	1.22E+09	BA11SO	287794	220130	Enfield Bulk	
W-2CLYTF05.08.2010	1:49:58	1:49:58	1.22E+09	QTQ941	287795	20016663	Sydney City Rubbish Removal	
W-2CLYTF05.08.2010	1:50:43	1:50:43	1.22E+09	HOOKIN	287796	20000570	External Bulk - No Jobs Available	
W-2CLYTF05.08.2010	1:57:02	1:57:02	1.22E+09	ZLD406	287797	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	2:11:17	2:11:17	1.22E+09	AN63FI	287798	220130	Enfield Bulk	
W-2CLYTF05.08.2010	2:21:03	2:21:03	1.22E+09	WZE424	287800	20026538	Transpacific Cleanaway	
W-2CLYTF05.08.2010	2:23:59	2:23:59	1.22E+09	BH02HI	287801	220130	Enfield Bulk	
W-2CLYTF05.08.2010	2:24:41	2:24:41	1.22E+09	AO80DN	287802	20015599	Dimeo Waste Services Pty Ltd	
W-2CLYTF05.08.2010	2:58:34	2:58:34	1.22E+09	PK7035	287803	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	3:00:55	3:00:55	1.22E+09	BE52DG	287804	20003113	Eco Sense Environmental P/L	
W-2CLYTF05.08.2010	3:20:48	3:20:48	1.22E+09	AC27HY	287808	220410	Enfield RearLift	
W-2CLYTF05.08.2010	3:21:51	3:21:51	1.22E+09	BF59GP	287809	20017530	Hornsby Council	
W-2CLYTF05.08.2010	3:30:27	3:30:27	1.22E+09	BC24SG	287811	20006336	Angove's Waste Management	
W-2CLYTF05.08.2010	3:40:25	3:40:25	1.22E+09	BA11SO	287815	220130	Enfield Bulk	
W-2CLYTF05.08.2010	3:41:05	3:41:05	1.22E+09	AF26TL	287816	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	3:48:10	3:48:10	1.22E+09	ZLD406	287817	20000570	External Bulk - No Jobs Available	
W-2CLYTF05.08.2010	3:49:33	3:49:33	1.22E+09	AE61MI	287819	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	3:52:35	3:52:35	1.22E+09	ZEW210	287820	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	4:04:15	4:04:15	1.22E+09	AB43JX	287821	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	4:10:57	4:10:57	1.22E+09	YIQ467	287822	220410	Enfield RearLift	
W-2CLYTF05.08.2010	4:14:09	4:14:09	1.22E+09	ZHW212	287823	20003113	Eco Sense Environmental P/L	
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W-2CLYTF05.08.2010	4:26:51	4:26:51	1.22E+09	BLM007	287830	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	4:27:52	4:27:52	1.22E+09	AJ00XP	287831	220130	Enfield Bulk	
W-2CLYTF05.08.2010	4:28:40	4:28:40	1.22E+09	BD63XN	287832	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	4:35:54	4:35:54	1.22E+09	BA16EP	287834	20015548	Sydney Waste Pty Ltd	
W-2CLYTF05.08.2010	4:38:55	4:38:55	1.22E+09	AI24JY	287835	20015599	Dimeo Waste Services Pty Ltd	
W-2CLYTF05.08.2010	4:40:58	4:40:58	1.22E+09	AV17XT	287836	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	4:41:37	4:41:37	1.22E+09	AM93DS	287837	20003113	Eco Sense Environmental P/L	
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W-2CLYTF05.08.2010	4:50:06	4:50:06	1.22E+09	WWG620	287840	20013694	JJ Richards & Sons	
W-2CLYTF05.08.2010	4:52:12	4:52:12	1.22E+09	AU56GG	287841	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	4:55:38	4:55:38	1.22E+09	TNW545	287842	220130	Enfield Bulk	
W-2CLYTF05.08.2010	4:57:25	4:57:25	1.22E+09	URM076	287845	20014702	United Resource Management	
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W-2CLYTF05.08.2010	5:07:44	5:07:44	1.22E+09	BA11SO	287848	220130	Enfield Bulk	
W-2CLYTF05.08.2010	5:14:00	5:14:00	1.22E+09	AB92CO	287851	220130	Enfield Bulk	
W-2CLYTF05.08.2010	5:26:55	5:26:55	1.22E+09	AK58JM	287855	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	5:30:57	5:30:57	1.22E+09	AJ65CJ	287856	20018592	Remondis	
W-2CLYTF05.08.2010	5:37:34	5:37:34	1.22E+09	AU74HH	287859	20004605	Safe Cycle Pty Ltd	
W-2CLYTF05.08.2010	5:39:42	5:39:42	1.22E+09	AR04UI	287860	20015599	Dimeo Waste Services Pty Ltd	
W-2CLYTF05.08.2010	5:40:36	5:40:36	1.22E+09	TNW545	287861	220130	Enfield Bulk	
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W-2CLYTF05.08.2010	6:09:39	6:09:39	1.22E+09	URM105	287871	20014702	United Resource Management	
W-2CLYTF05.08.2010	6:14:26	6:14:26	1.22E+09	WWS412	287874	20013694	JJ Richards & Sons	
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W-2CLYTF05.08.2010	6:43:55	6:43:55	1.22E+09	AG42DU	287895	220010	Enfield FrontLift	
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W-2CLYTF05.08.2010	6:55:28	6:55:28	1.22E+09	YCP248	287900	220410	Enfield RearLift	
W-2CLYTF05.08.2010	7:01:59	7:01:59	1.22E+09	AY73LY	287904	20018592	Remondis	
W-2CLYTF05.08.2010	7:06:19	7:06:19	1.22E+09	URM236	287905	20014702	United Resource Management	
W-2CLYTF05.08.2010	7:08:40	7:08:40	1.22E+09	ZLD406	287948	20003072	Edco Contracting Group P/L	
W-2CLYTF05.08.2010	7:11:36	7:11:36	1.22E+09	AW36CB	287951	220010	Enfield FrontLift	
W-2CLYTF05.08.2010	7:23:21	7:23:21	1.22E+09	BA11SO	287958	220130	Enfield Bulk	
W-2CLYTF05.08.2010	7:24:23	7:24:23	1.22E+09	AM42VY	287959	20017450	Doyle Bros	
W-2CLYTF05.08.2010	7:30:55	7:30:55	1.22E+09	AF03ZX	287964	220130	Enfield Bulk	

W-2CLYTF05.08.2010	7:38:59	7:38:59	1.22E+09	AW77WH	287967	20018592	Remondis
W-2CLYTF05.08.2010	7:41:52	7:41:52	1.22E+09	BH02HI	287969	220130	Enfield Bulk
W-2CLYTF05.08.2010	7:43:53	7:43:53	1.22E+09	YVB310	287970	20014091	Canterbury City Council
W-2CLYTF05.08.2010	7:48:51	7:48:51	1.22E+09	AD18XB	287973	20014091	Canterbury City Council
W-2CLYTF05.08.2010	7:54:59	7:54:59	1.22E+09	FLIFT2	287974	220010	Enfield FrontLift
W-2CLYTF05.08.2010	7:59:39	7:59:39	1.22E+09	WWW503	287983	20015617	Auburn Council
W-2CLYTF05.08.2010	8:02:10	8:02:10	1.22E+09	STINKY	287984	20018592	Remondis
W-2CLYTF05.08.2010	8:07:51	8:07:51	1.22E+09	BC69FF	287991	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	8:10:37	8:10:37	1.22E+09	AF26TL	287996	220010	Enfield FrontLift
W-2CLYTF05.08.2010	8:13:33	8:13:33	1.22E+09	AF03ZX	288002	220130	Enfield Bulk
W-2CLYTF05.08.2010	8:13:59	8:13:59	1.22E+09	AU56GG	288003	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	8:15:43	8:15:43	1.22E+09	MT2750	288005	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	8:17:47	8:17:47	1.22E+09	AO09YC	288007	20018592	Remondis
W-2CLYTF05.08.2010	8:27:33	8:27:33	1.22E+09	PK7035	288029	220010	Enfield FrontLift
W-2CLYTF05.08.2010	8:31:40	8:31:40	1.22E+09	TNW545	288033	220130	Enfield Bulk
W-2CLYTF05.08.2010	8:35:59	8:35:59	1.22E+09	AY89AM	288035	20015617	Auburn Council
W-2CLYTF05.08.2010	8:42:16	8:42:16	1.22E+09	JRC809	288039	220130	Enfield Bulk
W-2CLYTF05.08.2010	8:45:16	8:45:16	1.22E+09	AY75CT	286910	20015617	Auburn Council
W-2CLYTF05.08.2010	8:47:41	8:47:41	1.22E+09	AR06WM	288042	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	8:49:19	8:49:19	1.22E+09	AF03ZX	288044	220130	Enfield Bulk
W-2CLYTF05.08.2010	9:02:38	9:02:38	1.22E+09	AR21LS	287592	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:08:48	9:08:48	1.22E+09	AY91GG	288057	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	9:10:23	9:10:23	1.22E+09	URM229	288058	20014702	United Resource Management
W-2CLYTF05.08.2010	9:11:53	9:11:53	1.22E+09	AM93DS	288059	20003113	Eco Sense Environmental P/L
W-2CLYTF05.08.2010	9:12:24	9:12:24	1.22E+09	YOT207	288061	20018592	Remondis
W-2CLYTF05.08.2010	9:13:22	9:13:22	1.22E+09	YPK320	288062	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	9:16:21	9:16:21	1.22E+09	WWS412	288064	20013694	JJ Richards & Sons
W-2CLYTF05.08.2010	9:18:12	9:18:12	1.22E+09	AF03ZX	288065	220130	Enfield Bulk
W-2CLYTF05.08.2010	9:19:44	9:19:44	1.22E+09	AR11LS	288067	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:24:07	9:24:07	1.22E+09	BD88RL	288070	220010	Enfield FrontLift
W-2CLYTF05.08.2010	9:25:07	9:25:07	1.22E+09	URM147	288072	20014702	United Resource Management
W-2CLYTF05.08.2010	9:27:05	9:27:05	1.22E+09	AR48AI	288074	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:28:22	9:28:22	1.22E+09	AY88AM	288078	20015617	Auburn Council
W-2CLYTF05.08.2010	9:29:16	9:29:16	1.22E+09	BE73KP	288079	20017530	Hornsby Council
W-2CLYTF05.08.2010	9:30:35	9:30:35	1.22E+09	ZBG181	287593	20014091	Canterbury City Council
W-2CLYTF05.08.2010	9:35:46	9:35:46	1.22E+09	TNW545	288082	220130	Enfield Bulk
W-2CLYTF05.08.2010	9:39:04	9:39:04	1.22E+09	AR09LS	288089	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:41:59	9:41:59	1.22E+09	JRC809	288092	220130	Enfield Bulk
W-2CLYTF05.08.2010	9:47:33	9:47:33	1.22E+09	BE21KN	288094	20017530	Hornsby Council
W-2CLYTF05.08.2010	9:52:21	9:52:21	1.22E+09	BF85GP	288102	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	9:52:45	9:52:45	1.22E+09	AR49AI	288103	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:53:20	9:53:20	1.22E+09	WFF981	288104	20015617	Auburn Council
W-2CLYTF05.08.2010	9:54:31	9:54:31	1.22E+09	AR10LS	288110	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	9:57:29	9:57:29	1.22E+09	AA80JI	288129	220410	Enfield RearLift
W-2CLYTF05.08.2010	9:57:56	9:57:56	1.22E+09	AG42DU	288130	220010	Enfield FrontLift
W-2CLYTF05.08.2010	10:00:38	10:00:38	1.22E+09	WUK075	288134	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:05:05	10:05:05	1.22E+09	YWJ642	288141	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	10:06:35	10:06:35	1.22E+09	AB92CO	288143	220130	Enfield Bulk
W-2CLYTF05.08.2010	10:11:34	10:11:34	1.22E+09	AW69HJ	288145	220010	Enfield FrontLift
W-2CLYTF05.08.2010	10:12:24	10:12:24	1.22E+09	AY19CP	288147	20014702	United Resource Management
W-2CLYTF05.08.2010	10:15:27	10:15:27	1.22E+09	BE94DJ	288153	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:16:24	10:16:24	1.22E+09	AV25CI	288155	20015617	Auburn Council
W-2CLYTF05.08.2010	10:17:40	10:17:40	1.22E+09	BE15HT	288156	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:22:06	10:22:06	1.22E+09	AW38FZ	288164	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	10:23:07	10:23:07	1.22E+09	YTE397	288166	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:23:32	10:23:32	1.22E+09	RTJ609	288167	20015548	Sydney Waste Pty Ltd
W-2CLYTF05.08.2010	10:25:12	10:25:12	1.22E+09	AR38AI	288169	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	10:27:41	10:27:41	1.22E+09	ZCP691	288171	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:28:25	10:28:25	1.22E+09	AH78GX	288177	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:28:34	10:28:34	1.22E+09	IMO103	288179	220130	Enfield Bulk
W-2CLYTF05.08.2010	10:31:30	10:31:30	1.22E+09	ZBG189	288182	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:32:07	10:32:07	1.22E+09	BD97ZZ	288183	220410	Enfield RearLift
W-2CLYTF05.08.2010	10:32:27	10:32:27	1.22E+09	ZAN766	288184	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:33:14	10:33:14	1.22E+09	BE57KP	288186	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:37:18	10:37:18	1.22E+09	AD18XB	288188	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:37:36	10:37:36	1.22E+09	BE74KO	288190	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:38:04	10:38:04	1.22E+09	844MYJ	288192	20013694	JJ Richards & Sons
W-2CLYTF05.08.2010	10:42:25	10:42:25	1.22E+09	URM233	288198	20014702	United Resource Management
W-2CLYTF05.08.2010	10:42:55	10:42:55	1.22E+09	BD49ZB	288199	20017530	Hornsby Council
W-2CLYTF05.08.2010	10:48:44	10:48:44	1.22E+09	YVB310	288205	20014091	Canterbury City Council
W-2CLYTF05.08.2010	10:56:00	10:56:00	1.22E+09	AB40PW	288212	220410	Enfield RearLift
W-2CLYTF05.08.2010	11:04:11	11:04:11	1.22E+09	AR22LS	288221	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	11:05:12	11:05:12	1.22E+09	AY90AM	288223	20015617	Auburn Council
W-2CLYTF05.08.2010	11:07:27	11:07:27	1.22E+09	AE30CD	288227	20014702	United Resource Management
W-2CLYTF05.08.2010	11:11:59	11:11:59	1.22E+09	AU59AK	288231	220410	Enfield RearLift
W-2CLYTF05.08.2010	11:12:33	11:12:33	1.22E+09	SEJ317	288233	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	11:16:55	11:16:55	1.22E+09	BD31VB	288236	20015548	Sydney Waste Pty Ltd
W-2CLYTF05.08.2010	11:20:23	11:20:23	1.22E+09	BE93DJ	288237	20017530	Hornsby Council
W-2CLYTF05.08.2010	11:24:36	11:24:36	1.22E+09	AY91GG	288238	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	11:25:20	11:25:20	1.22E+09	BE73SC	288242	20017530	Hornsby Council
W-2CLYTF05.08.2010	11:27:00	11:27:00	1.22E+09	URM081	288243	20014702	United Resource Management
W-2CLYTF05.08.2010	11:32:52	11:32:52	1.22E+09	AF03ZX	288253	220130	Enfield Bulk
W-2CLYTF05.08.2010	11:34:24	11:34:24	1.22E+09	YHL611	288255	20018592	Remondis
W-2CLYTF05.08.2010	11:37:45	11:37:45	1.22E+09	YPZ907	288260	220410	Enfield RearLift
W-2CLYTF05.08.2010	11:38:54	11:38:54	1.22E+09	AR97WK	288263	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	11:48:00	11:48:00	1.22E+09	BD95ZZ	288271	220410	Enfield RearLift

W-2CLYTF05.08.2010	11:59:54	11:59:54	1.22E+09	AA61JF	288280	220410	Enfield RearLift
W-2CLYTF05.08.2010	12:04:40	12:04:40	1.22E+09	AQ72WT	288285	20017450	Doyle Bros
W-2CLYTF05.08.2010	12:07:11	12:07:11	1.22E+09	AV17XT	288291	220010	Enfield FrontLift
W-2CLYTF05.08.2010	12:09:44	12:09:44	1.22E+09	AW77WH	288294	20018592	Remondis
W-2CLYTF05.08.2010	12:15:13	12:15:13	1.22E+09	RZX960	288298	20015548	Sydney Waste Pty Ltd
W-2CLYTF05.08.2010	12:16:55	12:16:55	1.22E+09	AV19XT	288302	220010	Enfield FrontLift
W-2CLYTF05.08.2010	12:21:46	12:21:46	1.22E+09	URM105	288313	20014702	United Resource Management
W-2CLYTF05.08.2010	12:24:12	12:24:12	1.22E+09	IMO103	288314	220130	Enfield Bulk
W-2CLYTF05.08.2010	12:25:06	12:25:06	1.22E+09	AM23AY	288315	20014091	Canterbury City Council
W-2CLYTF05.08.2010	12:32:50	12:32:50	1.22E+09	AB70UW	288322	220410	Enfield RearLift
W-2CLYTF05.08.2010	12:40:26	12:40:26	1.22E+09	AV18XT	288326	220010	Enfield FrontLift
W-2CLYTF05.08.2010	12:41:43	12:41:43	1.22E+09	AZ41AD	288329	220410	Enfield RearLift
W-2CLYTF05.08.2010	12:48:54	12:48:54	1.22E+09	YKN652	288339	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	12:50:43	12:50:43	1.22E+09	ZEW210	288343	220010	Enfield FrontLift
W-2CLYTF05.08.2010	12:59:35	12:59:35	1.22E+09	AR97WK	288348	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	13:04:02	13:04:02	1.22E+09	YCP248	288356	220410	Enfield RearLift
W-2CLYTF05.08.2010	13:05:36	13:05:36	1.22E+09	AU57QJ	288358	220010	Enfield FrontLift
W-2CLYTF05.08.2010	13:07:25	13:07:25	1.22E+09	JRC809	288360	220130	Enfield Bulk
W-2CLYTF05.08.2010	13:08:06	13:08:06	1.22E+09	AR32VM	288361	20013351	Pioneer Waste
W-2CLYTF05.08.2010	13:13:56	13:13:56	1.22E+09	AW36CB	288366	220010	Enfield FrontLift
W-2CLYTF05.08.2010	13:18:03	13:18:03	1.22E+09	AW16CY	287750	220010	Enfield FrontLift
W-2CLYTF05.08.2010	13:24:19	13:24:19	1.22E+09	URM066	288383	20014702	United Resource Management
W-2CLYTF05.08.2010	13:24:50	13:24:50	1.22E+09	AK89PR	288384	20026538	Transpacific Cleanaway
W-2CLYTF05.08.2010	13:29:48	13:29:48	1.22E+09	AH78GX	288390	20014091	Canterbury City Council
W-2CLYTF05.08.2010	13:30:22	13:30:22	1.22E+09	AD18XB	288391	20014091	Canterbury City Council
W-2CLYTF05.08.2010	13:44:53	13:44:53	1.22E+09	YOT208	288400	20018592	Remondis
W-2CLYTF05.08.2010	13:49:33	13:49:33	1.22E+09	AR11LS	288403	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	13:51:01	13:51:01	1.22E+09	AU59AK	288404	220410	Enfield RearLift
W-2CLYTF05.08.2010	13:58:04	13:58:04	1.22E+09	BF85GP	288411	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	13:59:19	13:59:19	1.22E+09	AR06WM	288412	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:00:14	14:00:14	1.22E+09	URM076	288413	20014702	United Resource Management
W-2CLYTF05.08.2010	14:03:59	14:03:59	1.22E+09	ZBG181	288423	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:07:16	14:07:16	1.22E+09	AV19XT	288425	220010	Enfield FrontLift
W-2CLYTF05.08.2010	14:07:42	14:07:42	1.22E+09	AR49AI	288426	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:08:08	14:08:08	1.22E+09	AR22LS	288427	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:08:42	14:08:42	1.22E+09	AR21LS	288428	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:12:24	14:12:24	1.22E+09	AG42DU	288431	220010	Enfield FrontLift
W-2CLYTF05.08.2010	14:12:57	14:12:57	1.22E+09	AR38AI	288432	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:14:20	14:14:20	1.22E+09	BE57KP	288430	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:14:56	14:14:56	1.22E+09	BE21KN	288436	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:16:15	14:16:15	1.22E+09	YTE397	288438	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:17:09	14:17:09	1.22E+09	ZBG189	288440	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:19:17	14:19:17	1.22E+09	BE74KO	288443	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:20:42	14:20:42	1.22E+09	BE94DJ	288445	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:25:24	14:25:24	1.22E+09	BE24HU	288453	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:26:19	14:26:19	1.22E+09	ZAN766	288454	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:26:49	14:26:49	1.22E+09	AZ13JG	288455	220410	Enfield RearLift
W-2CLYTF05.08.2010	14:30:34	14:30:34	1.22E+09	AR48AI	288461	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:32:04	14:32:04	1.22E+09	ZCP691	288464	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:33:12	14:33:12	1.22E+09	YVB310	288465	20014091	Canterbury City Council
W-2CLYTF05.08.2010	14:34:28	14:34:28	1.22E+09	BE73SC	288466	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:37:03	14:37:03	1.22E+09	BD49ZB	288469	20017530	Hornsby Council
W-2CLYTF05.08.2010	14:37:30	14:37:30	1.22E+09	AR10LS	288471	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:38:21	14:38:21	1.22E+09	AR09LS	288472	20017081	The Hills Shire Council
W-2CLYTF05.08.2010	14:43:59	14:43:59	1.22E+09	BE73KP	288480	20017530	Hornsby Council
W-2CLYTF05.08.2010	15:55:21	15:55:21	1.22E+09	MT2750	288627	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	16:22:52	16:22:52	1.22E+09	IMO103	288939	220130	Enfield Bulk
W-2CLYTF05.08.2010	17:28:10	17:28:10	1.22E+09	AY76VN	288959	220410	Enfield RearLift
W-2CLYTF05.08.2010	18:51:47	18:51:47	1.22E+09	AN48WY	288961	20015599	Dimeo Waste Services Pty Ltd
W-2CLYTF05.08.2010	19:12:24	19:12:24	1.22E+09	BF85GP	288962	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	20:54:09	20:54:09	1.22E+09	JRC809	288869	220130	Enfield Bulk
W-2CLYTF05.08.2010	23:29:19	23:29:19	1.22E+09	ZLD406	288370	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	23:29:27	23:29:27	1.22E+09	AY91GG	288971	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	23:29:31	23:29:31	1.22E+09	FLIFT2	288972	220010	Enfield FrontLift
W-2CLYTF05.08.2010	23:29:34	23:29:34	1.22E+09	AF26TL	288973	220010	Enfield FrontLift
W-2CLYTF05.08.2010	23:29:36	23:29:36	1.22E+09	AC27HY	288974	220410	Enfield RearLift
W-2CLYTF05.08.2010	23:29:37	23:29:37	1.22E+09	AO80DN	288975	20015599	Dimeo Waste Services Pty Ltd
W-2CLYTF05.08.2010	23:29:39	23:29:39	1.22E+09	AV47SM	288976	20013621	Sita Environmental Solutions
W-2CLYTF05.08.2010	23:29:41	23:29:41	1.22E+09	YIQ467	288977	220410	Enfield RearLift
W-2CLYTF05.08.2010	23:29:43	23:29:43	1.22E+09	GAL203	288978	20003066	Galloway Environmental Waste
W-2CLYTF05.08.2010	23:29:46	23:29:46	1.22E+09	URM081	288979	20014702	United Resource Management
W-2CLYTF05.08.2010	23:30:00	23:30:00	1.22E+09	BF85GP	288981	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	23:30:07	23:30:07	1.22E+09	HOOKIN	288982	220130	Enfield Bulk
W-2CLYTF05.08.2010	23:30:18	23:30:18	1.22E+09	AR04UI	288983	20015599	Dimeo Waste Services Pty Ltd
W-2CLYTF05.08.2010	23:30:25	23:30:25	1.22E+09	JRC809	288984	220130	Enfield Bulk
W-2CLYTF05.08.2010	23:30:31	23:30:31	1.22E+09	AM93DS	288985	20003113	Eco Sense Environmental P/L
W-2CLYTF05.08.2010	23:32:40	23:32:40	1.22E+09	HOOKIN	288986	220130	Enfield Bulk
W-2CLYTF05.08.2010	23:49:32	23:49:32	1.22E+09	YTS175	288987	20003072	Edco Contracting Group P/L
W-2CLYTF05.08.2010	23:59:40	23:59:40	1.22E+09	BF85GP	288988	20003072	Edco Contracting Group P/L



Time	Company	Make	Lift Type	Registration	Exhaust Location	L <sub>A</sub> Max (dBA)	Impeded Movement	Comments
7:19	Doyle Brothers	-	Front	AM42VY	Front Right	81.9	N	
7:21	Wanless / Veolia	-	Hook	AF03ZX	Front Right	76.7	N	
7:31	Remondis	Mitsubishi	Front	AW77WH	Front Left	79.1	N	
7:33	Veolia	-	Hook	BH02HI	Front Right	78.3	N	
7:38	JJ Richards	-	Side	YVB310	Front Left	79.9	N	
7:42	JJ Richards	Iveco	Side	AD18XB	Front Right	79.5	N	
7:48	Veolia	-	Front	FLIFT2	Front Right	73.4	Y	Slow Acceleration
7:54	Remondis	Isuzu	Rear	STINKY	Front Left	75.4	N	
7:55	Auburn Council	Iveco	Side	WWW503	Front Right	83.4	N	Fast Acceleration
7:58	Watts Waste	Isuzu	Rear	BC69FF	Front Left	79.9	N	
8:00	Veolia	Mitsubishi	Front	AF26TL	Front Right	73.2	N	Slow Acceleration
8:02	Watts Waste	Scania	Hook	AU56GG	Front Right	73.1	N	
8:03	Wanless / Veolia	-	Hook	AF03ZX	Front Right	67.9	Y	Slow Acceleration
8:09	Watts Waste	Isuzu	Rear	MT2750	Front Right	75.6	N	
8:10	Remondis	-	Hook	AO09YC	Front Right	70.4	N	Slow Acceleration
8:20	Veolia	Volvo	Front	PK7035	Front Right	78.4	N	
8:24	Veolia	-	Hook	TNW545	Front Right	81.2	N	
8:29	Auburn Council	Iveco	Side	AY89AM	Front Right	74.8	N	
8:34	Veolia	-	Hook	JRC809	Front Right	78.9	N	
8:38	Auburn Council	Iveco	Side	AY75CT	Front Right	77.6	N	
8:40	TPI	Iveco	Side	AR06WM	Front Right	83.3	N	Fast Acceleration
8:41	Wanless / Veolia	-	Hook	AF03ZX	Front Right	71.1	Y	Slow Acceleration
8:55	TPI	Iveco	Side	AR21LS	Front Right	82.9	N	Fast Acceleration
9:02	Sita	-	Front	AY91GG	Front Right	75.7	N	
9:03	Eco Sense	-	Rear	AM93DS	Front Right	72.3	Y	Slow Acceleration
9:03	URM	-	Rear	URM229	Front Left	71.3	Y	Slow Acceleration
9:04	Remondis	Acco	Rear	YOT207	Front Right	72.1	Y	Slow Acceleration
9:06	Watts Waste	-	Front	YPK320	Rear Right	79.2	N	
9:08	JJ Richards	-	Hook	WWS412	Front Left	78.3	N	
9:12	Wanless / Veolia	-	Hook	AF03ZX	Front Right	75.6	N	
9:14	TPI	Iveco	Side	AR11LS	Front Right	81.7	N	Fast Acceleration
9:16	URM	-	Rear	URM147	Front Right	77.6	N	
9:17	Veolia	-	Front	BD88RL	Front Left	69.8	Y	Slow Acceleration
9:18	TPI	Iveco	Side	AR48AI	Front Right	78.4	N	
9:21	Auburn Council	Iveco	Side	AY88AM	Front Right	75.2	N	
9:28	Veolia	Scania	Hook	TNW545	Front Left	77.3	N	
9:24	TPI	Iveco	Side	AR21LS	Front Right	78.4	N	
9:25	JJ Richards	Iveco	Side	ZBG181	Front Left	73.4	Y	Slow Acceleration
9:32	TPI	Iveco	Side	AR09LS	Front Right	81.2	N	
9:33	Veolia	Volvo	Hook	JRC809	Front Right	72.2	Y	Slow Acceleration
9:44	TPI	Iveco	Side	BE21KN	Front Right	76.8	N	
9:45	Auburn Council	Iveco	Side	WFF981	Front Right	73	N	Slow Acceleration
9:46	Watts Waste	Volvo	Hook	BF85GP	Front Right	73.2	Y	Slow Acceleration
9:46	TPI	Iveco	Side	AR49AI	Front Right	75.5	Y	
9:47	TPI	Iveco	Side	AR10LS	Front Right	71.4	Y	Slow Acceleration
9:47	Veolia	Iveco	Rear	AA80JI	Front Right	73.4	Y	Slow Acceleration
9:49	Veolia	-	Front	AG42DU	Front Right	70.8	Y	Slow Acceleration
9:53	TPI	-	Rear	WUK075	Front Right	79.9	N	
9:54	Sita	Scania	Rear	YWJ642	Front Right	72.9	N	
9:56	Wanless / Veolia	-	Hook	AB92CO	Front Right	74.5	N	
9:58	URM	Mitsubishi	Rear	AY19CP	Front Left	72.8	Y	
10:00	Veolia	Volvo	Front	AW69HJ	Front Right	74.9	N	
10:01	Auburn Council	-	Rear	AV25CI	Front Right	67.5	Y	Slow Acceleration
10:06	TPI	Iveco	Side	BE94DJ	Front Right	75.1	N	
10:07	TPI	Iveco	Side	BE15HT	Front Right	73.7	N	
10:07	Watts Waste	-	Rear	AW38FZ	Front Right	74.3	N	
10:11	Sita	Isuzu	Rear	RTJ609	Front Left	72.5	N	
10:14	JJ Richards	-	Side	YTE397	Front Left	74.1	Y	Slow Acceleration
10:15	Veolia	Mitsubishi	Hook	IM0103	Front Right	73.7	Y	Slow Acceleration
10:16	TPI	Iveco	Side	AR38AI	Front Right	74.8	N	
10:17	JJ Richards	-	Side	ZCP691	Front Right	75.2	N	
10:17	JJ Richards	-	Side	AH78GX	Front Right	75.5	N	
10:18	Veolia	-	Rear	BD97ZZ	Front Right	74.8	Y	
10:19	JJ Richards	-	Side	ZBG189	Front Right	74.1	Y	Slow Acceleration
10:20	JJ Richards	-	Side	ZAN766	Front Right	76.6	N	
10:20	TPI	Iveco	Side	BE57KP	Front Right	73.5	Y	Slow Acceleration
10:27	JJ Richards	Iveco	Side	AD18XB	Front Right	77.3	N	
10:28	JJ Richards	Iveco	Front	844MYJ	Front Right	74.9	N	
10:28	TPI	Iveco	Side	BE74BO	Front Right	75.4	Y	

Time	Company	Make	Lift Type	Registration	Exhaust Location	L <sub>A</sub> Max (dBA)	Impeded Movement	Comments
10:35	URM	Iveco	Rear	URM233	Front Right	78.6	N	
10:37	TPI	Iveco	Side	BD49ZB	Front Right	78	N	
10:42	JJ Richards	-	Side	YVB310	Front Left	79.9	N	
10:48	Veolia	Isuzu	Rear	AB40PW	Front Right	72.6	N	
10:56	URM	Iveco	Rear	AE30CD	Front Right	76	N	
10:59	TPI	Iveco	Side	AR22LS	Front Right	79.5	N	
11:00	Auburn Council	Iveco	Side	AY90AM	Front Right	79.5	N	
11:01	Sita	-	Rear	BD31VB	Front Right	75.9	N	
11:04	Waste Resources	Volvo	Rear	SEJ317	Front Left	80.9	N	
11:04	Veolia	Isuzu	Rear	AU59AK	Front Right	74.6	N	
11:13	TPI	Iveco	Side	BE93DJ	Front Right	75.6	N	
11:17	TPI	-	Rear	BE73SC	Front Right	76.7	N	
11:18	Sita	Mitsubishi	Front	AY91GG	Front Right	70.4	Y	Slow Acceleration
11:19	URM	Iveco	Rear	URM081	Front Right	77	N	
11:25	Wanless / Veolia	-	Hook	AF03ZX	Front Right	79.2	N	
11:26	Veolia	Isuzu	Rear	YPZ907	Front Right	74.1	N	
11:27	Remondis	-	Rear	YHL611	Front Right	76.8	N	
11:27	TPI	-	Rear	AR97WK	Front Right	66.1	Y	Slow Acceleration
11:40	Veolia	Isuzu	Rear	BD95ZZ	Front Right	67	N	Slow Acceleration
11:52	Veolia	Iveco	Rear	AA61JF	Front Right	79.9	N	
11:55	Doyle Brothers	Iveco	Rear	AQ72WT	Front Right	75.7	N	