

Woodlawn Eco-Precinct

Community Liaison Committee Meeting Minutes

Date	Thursday 16th June 2022	Time	5:00 pm
Coordinator	Justin Houghton	Location	Woodlawn Conference Room

Committee List ✓

Name	Present	Name	Present
Justin Houghton (JH) (Veolia)	✓	Sandra Ellson (SE) (Community)	X
Cr Andy Wood (AW) (GMC Cr)	✓	Scott Martin (SM) (GMC Designated Off)	✓
Simon Reynolds (SR) (Community)	✓	Cid Riley (CR) (Community)	✓
Adrian Ellson (AE) (Community/TADPAI)	✓	Kym Wake (KW) (Chair)	✓
Cr John Preston (JP) (QPRC Cr)	✓	Richard Kirkwood (RK) (Community)	X

Guests/Observers ✓

Name	Present	Name	Present
Andrew Jackson (AJ) (Veolia) (minutes)	✓		
Tobias Stanley (TS) (Veolia)	✓		

Minutes

1	Welcome
1.1	Meeting opened with Welcome to Country and CLC welcomed the second meeting of 2022.
2	Present / Apologies
2.1	Apologies: Nil
3	Approval of Previous Minutes
3.1	Minutes accepted without change.
4	Matters Arising from Minutes
4.1	<p>Veolia Community Liaison Committee</p> <p>a. Targeted community participation</p> <p>CLC members should be represented on the committee board based on gender/ethnicity and age diversity (KW). JH said Veolia has reached out to community groups. If needed, JP will reach out to the community. According to AE, this should be handled by the committee rather than Veolia reaching out and suggested a representative from "Develop". A letter will be drafted by JH (Action¹).</p>

5	Woodlawn Eco-Precinct Operational Update (Slide)
5.1	<p>Bioreactor and Leachate Treatment Plant</p> <p>Presentation of waste receipt statistics for the region, Sydney and residual waste streams as well as odour and traffic complaint numbers for the Bioreactor. JH also provided CR with a breakdown of regional waste receipts. JH explained that we are limited by the approved volumes which is 125,000t and while truck movements may increase or decrease from day to day we can only transport that total volume annually. As to queries relative to the volume and the transportation of regional waste from the ACT, JH has agreed to look into obtaining records of the regional waste truck movements (Action²).</p>
5.2	<p>Bioenergy and Mechanical Biological Treatment</p> <p>Energy generation and gas capture was presented, with year-to-date incoming and outgoing stats for the MBT.</p>
5.3	<p>Site Water Balance including Leachate Treatment</p> <p>With the impact of recent extreme rainfall events, the onsite water balance needed to be addressed. The low temperatures and high humidity have also significantly reduced evaporation rates due to the low temperatures. Apart from the LTP being offline for two days, leachate extraction from the bioreactor has been consistent as a result of the upgraded infrastructure. The LTP is currently installing a third UF skid. The LTP is treating an average of 4.1 L/s</p>
5.4	<p>Odour Management</p> <p>In mid-January, H₂S reached a peak value of 2,631, which has since declined to 1,400 ppm. The western utility area in the void, which was a potential source of odour emissions, has now been covered with landfill gas extraction systems. Currently, landfill gas is captured at a rate of 4000 m³/h. Veolia is adopting a gable profile instead of a pyramid profile for the new lift. By doing this, stormwater will be better separated from leachate, and stormwater will be less likely to enter the waste mass.</p> <p>Drone technology is being used to locate methane emissions in the void, as well as increasing gas capture during cooler nights. JH presented the committee with odour analysis data showing the correlation between complaint locations and weather conditions. AE queried a period of time as to notification of heightened facebook odour complaints. In response to the notification, Veolia conducted off-site surveys without being able to trace the odour reported. This may be due to the odour dissipating prior to the social media activity.</p>
5.5	<p>Independent Environmental Audits</p> <ol style="list-style-type: none"> a. Independent Odour Audit <ol style="list-style-type: none"> i. Undertaken by The Odour Unit Pty Ltd in March 2022. ii. Fieldwork was completed in March. iii. A draft report has been finalised and is currently being reviewed. iv. During the previous meeting on 3rd of March 2022, community odour analysis was noted along with odour diaries (Action³). CR maintains an ongoing diary of personally identified odour events. He is concerned about the impacts on his asthma. JH highlighted the stringent OH&S standards maintained by Veolia with regards to individuals working within the Void.

5.6	<ul style="list-style-type: none"> b. Leachate and Water Management System Audit <ul style="list-style-type: none"> i. Undertaken by Jackson Environment and Planning in March 2022. ii. Fieldwork and visit completed. iii. Site wide water balance completed. iv. Draft audit report being finalised by the audit team. c. MBT Independent Environmental Audit <ul style="list-style-type: none"> i. Undertaken by Ramboll Australia in March 2022. ii. Fieldwork finalised. iii. Report finalised in preparation for submission. <p>Community Consultation</p> <ul style="list-style-type: none"> a. Tarago Times updates b. ARC Open day c. TADPAI inquired about Veolia's approach to consultation and engagement with the community in relation to ensuring transparency. Veolia to investigate ways to communicate more effectively with the community. (SM) suggested setting up a mailing list, while (JH) suggested setting up a phone notification system for the community (Action⁴).
6	General Business
6.1	<p>Bungendore/Tarago Road Maintenance (Update from QPRC)</p> <p>JP stated that there is ongoing water diversion works in and around the Mount Fairy locale, with the high and increased volume of traffic usage QRPC is looking at handing over Tarago/ Bungendore Road works to Transport for NSW.</p>
6.2	<p>Project Development - Woodlawn Eco-Precinct</p> <ul style="list-style-type: none"> b. Woodlawn Advanced Energy Recovery Centre <ul style="list-style-type: none"> i. Development plan to be released in coming months. ii. The Open Day was a success with approximately 50 visitors. There was concern concerning odours from some members of the public. KW noted that Veolia has ongoing community trust issues regarding historical odours. SR reported that the day was informative, and JH clarified that the representatives were independent. KW and SM discussed the English representatives' experience with Advanced Energy Recovery operations in the UK, and noted that odour and potential health issues were not taken into consideration when evaluating the operations. SM also noted the disparity between rural Australia and rural England. CR noted the immense environmental damage relative to the transportation of waste and questioned why the plant is not built in Sydney? The committee was informed of an article that appeared recently in the Bungendore Times titled "Veolia gas flooding the Community." JH said he was unaware of the article and would obtain a copy for the committee to read (Action⁵). c. FOGO Processing Stage 2 <ul style="list-style-type: none"> i. Veolia is currently going through the regulatory approval and preliminary design process for Stage 2 which is due to begin in 2023. ii. JH advised stage 2 is proposed to process upto 70,000 tpa. iii. Incoming year-to-date Stage 2 FOGO processing tonnage stats was explained.

6.3	<p>Regulatory Matters</p> <p>a. JH highlighted the ongoing water storage issues, he also stated that we currently have two show cause letters to submit to the EPA in the coming weeks. The EPA receives regular R4.2 odour complaint reports from Veolia as a means of observing "odour events" against meteorological data and operational activities.</p> <p>b. Veolia is still reviewing AE's comments relative to the Transport Code of Practice (Action⁶).</p> <p>c. An investigation is currently underway by Veolia to find a suitable location to locate a meteorological/H2S monitoring station in the township of Tarago. AE asked whether dust particulates would be monitored by the station?</p>
7	New Business
7.1	<p>Odour tracking and reporting app, and feedback form on Veolia website</p> <p>JH highlighted the investigation of a real time Odour tracking and reporting application.</p>
7.2	<p>Traffic Incident Reporting</p> <p>AE raised concerns regarding a member of the public taking video (dash cam) while overtaking over double yellow lines a container truck on Tarago Road in transit from the IMF to Woodlawn Eco-Precinct, and the need for an overtaking lane. JH said that the trucks do have dash cams and incidents are reported to police instead of Veolia. JH to inquire about sharing video footage with Veolia by the transport contractor (Action⁷). As part of the incident reporting and recordkeeping processes, AE highlighted the need for regional trucks to supply dash cam footage to Veolia. JH states that it is possible to obtain video footage from regional waste transporting trucks.</p> <p>AE queried the "Develop" mining operational update relative to the "Heron" site. JH noted that the Deed of Agreement is still pending.</p> <p>AE has commented on the increasing number of "State Significant Projects" taking place within the local region and their likely impacts on the road infrastructure and users in Tarago/Bungendore.</p> <p>AE commented on lead dust remediation with relation to its process and the impacts of the rail corridor.</p>
8	Meeting Closed by Chairperson
8.1	Meeting Closed by Chairperson at 6:50pm. Next meeting will be held on Thursday 1st September 2022.

Action List

Item	Action	Assigned to
1	Draft letter/invitation for CLC membership ie. community groups	Veolia
2	Obtain records of the regional waste truck movements	Veolia
3	Liaise with CR in relation to analysis of odour diary entries	Veolia
4	Investigate phone notification system for the community comms	Veolia
5	Obtain article entitled "Veolia gas flooding the Community"	Veolia

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6	Reviewing AE's comments relating to the Transport Code of Practice	Veolia
7	Investigate obtaining video footage from transport contractor/s	Veolia

Attachments:

1/ Veolia CLC Meeting #11 Operational Presentation

Woodlawn Eco-Precinct Community Liaison Committee Meeting

Thursday 16th June 2022

*NSW Woodlawn Eco-Precinct
619 Collector Road / Tarago / NSW 2580 Australia
off.: +61 2 8588 1360
www.veolia.com/anz*



Welcome

Veolia acknowledges Ngunnawal people as the traditional custodians of the lands and waters in which we live and work and their continuing connection to land, water and community. We pay respects to their Elders past, present and emerging.

Welcome and thank you! Effective community consultation is a participatory process that underpins genuine community development. The purpose of the Woodlawn Community Liaison Committee is to help us better understand what the community values and inform us of issues that the community finds important so we can provide feedback and improve our processes.



MEETING AGENDA

Item	Topic
1	<i>Welcome/Opening</i>
2	<i>Attendance</i>
3	<i>Approval of Previous Meeting Minutes</i>
4	<i>Matters Arising from Previous Minutes</i> <ol style="list-style-type: none">1. <i>Veolia Community Liaison Committee</i>
5	<i>Woodlawn Eco-Precinct Operational Update</i> <ol style="list-style-type: none">1. <i>Bioreactor and Leachate Treatment Plant</i>2. <i>Bioenergy and Mechanical Biological Treatment</i>3. <i>Site Water Balance including leachate treatment</i>4. <i>Odour Management</i>5. <i>Independent Environmental Audits Update</i>6. <i>Community Consultation</i>
6	<i>General Business</i> <ol style="list-style-type: none">1. <i>Bungendore/Tarago Road Maintenance (Update from QPRC)</i>2. <i>Project Development - Woodlawn Eco-Precinct</i>3. <i>Regulatory Matters</i>4. <i>Proposed CLC Agenda and Communications Plan</i>
7	<i>New Business</i> <ol style="list-style-type: none">1. <i>Odour tracking and reporting app, and feedback form on Veolia website (JH)</i>2. <i>Traffic Incident Reporting (AE)</i>
8	<i>Meeting Closed by Chairperson</i>

Present / Apologies

Approval of Previous Minutes

Matters Arising from Minutes

1. *Veolia Community Liaison Committee*
 - a. *Veolia CLC Charter Review*
 - b. *Membership resignation/s and termination/s*
 - c. *Membership re-nomination for further 2-year term (nomination form attached)*
 - d. *Targeted community participation - include broader representation form the community*

Eco-Precinct Operational Update

ECO-PRECINCT OPERATIONAL UPDATE

YTD Waste Received (28th May 2022)

- Regional Waste 46,846t
- Sydney Waste 263,732t
- MBT Residual 33,550t
- Waste to MBT 55,349t

YTD Complaints Register (31st May 2022)

- Odour Complaints (111)
 - January (6)
 - February (22)
 - March (30)
 - April (28)
 - May (25)
- Road Traffic (5)



ECO-PRECINCT OPERATIONAL

Regional Waste Analysis

WASTE RECEIVAL ANALYSIS	2020	2021	YTD 2022	2022 Forcast	Tonnage limit
Southern Regional	131,526	112,149	43,359	104,062	
Northern Regional	85,509	10,102	3,487	8,369	
Total Local Waste	217,035	122,251	46,846	112,430	130,000
Sydney - Bioreactor	608,828	556,730	263,732	632,957	900,000
Sydney - MBT	124,194	143,792	55,349	132,838	280,000
Total	950,057	822,773	365,927	878,225	1,310,000
*Note - Bioreactor also has approval for 100kt form MBT - total approved to Bioreactor is 1.13million tonnes					

- There was no bushfire waste taken in 2021
- With an average load of 17.5 tonnes there have been approximately 2,477 trucks from the Southern region along Bungendore road YTD
- This is an average of 118/ week and 23/day
- The number of truck may vary from day to day or week to week but the total approved volumes will determine number of trucks.

ECO-PRECINCT OPERATIONAL UPDATE

Bioenergy

YTD Biogas Capture (31st May 2022)

- Energy Generation 20,761 MWh
- 126,845 tCO₂-e CH₄ captured
- In 2022, averaging 25,369 tCO₂-e monthly to removing 66,180 cars off the road each month
- Gas Main #1 has new isolation valves and concrete bunds installed under valves to protect them.

MBT

YTD Waste Processed (30th June 2022)

- Sydney Waste 55,329T
- MWOO to Bioreactor (ADC) 5030T
- WOO to Tailings 34,000T
- Ferrous Recovery 40T



ECO-PRECINCT OPERATIONAL UPDATE

Site Water Balance

- Weather challenges over the last 2 years and continues
 - 943 mm in 2020 & 1,168mm of rain in 2021 (3 times the whole year of 2019, 369mm)
 - High rainfall continues - 515.3 mm so far in 2022
- Low temperature and high humidity - Significantly reduced evaporation hence storage volume increases
- Current lined storage dams have all reached 0.5m freeboard.
- Woodlawn will remain non-discharge site and any overflow of storage dams will go to ED1 (about 450 ML of capacity remains) NOT off site .
- Construction of Coffe Dam 2 (commenced) - 50ML
- Design of Coffe Dam #3 underway
- T & I Projects - Evaporation, further treatment and/or more storage capacity

Leachate Treatment

- Bioreactor is maintaining extraction rates from the bioreactor using upgraded infrastructure in the Void.
- 87,715m³ of leachate have been extracted from the void and treated on site during 2022.
- LTP currently installing the 3rd UF skid from Germany. Operational by 30/6/22.
- LTP has treated an average of 4.1 L/s during 2022

ECO-PRECINCT OPERATIONAL UPDATE

Odour/gas Management

Recent changes of the operation and gas conditions:

- H₂S concentration in Landfill gas (LFG) started to decrease gradually after reaching a peak value in mid January at 2,361ppm to 1,400ppm in mid-June.
- Current LFG extraction is about 4000 m³/h
- One identified area for potential odour emission (western utility area in the void) has been fully filled and covered, LFG extraction system is being installed, expecting more LFG capture.

Veolia's management strategy consists of:

- Changes to the surface profile have started in the new lift (Pyramid to gable profile) - this has started
 - This will improve the management and separation of stormwater and leachate and
 - Reduce the potential for stormwater ingress into the waste mass
- Monthly surface gas monitoring of Methane and H₂S to target fugitive emission hot spots
 - Apply more cover material
 - Install more LFG extraction wells
 - Apply biofilter material
- Aggregate drainage trench to enhance LFG and leachate extraction
- Trialling Drone methane emissions surveying of waste surface



Gas Capture Improvements

Western Utilities & Tipping area

Before: Low point with minimal drainage or gas capture. Waste face inadequately covered.



After: Filled area installed drainage and gas capture infrastructure. Waste face will be clay lined and gas infrastructure installed.



ECO-PRECINCT OPERATIONAL

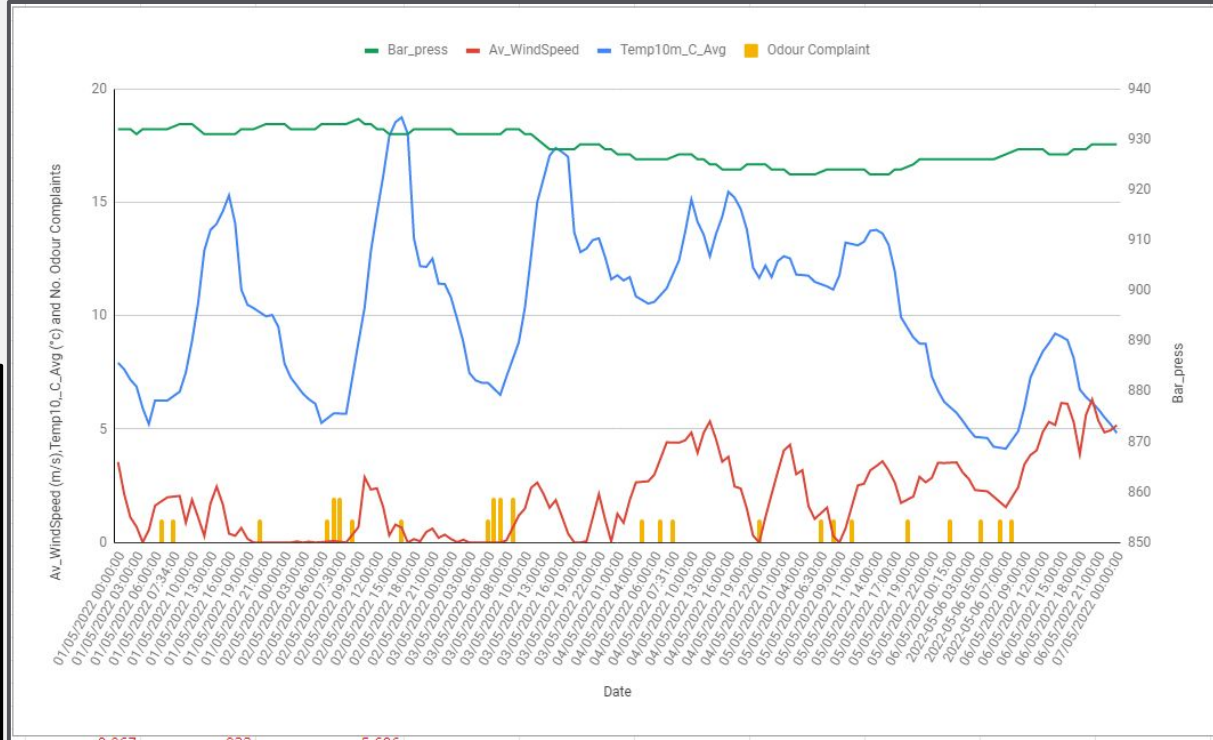
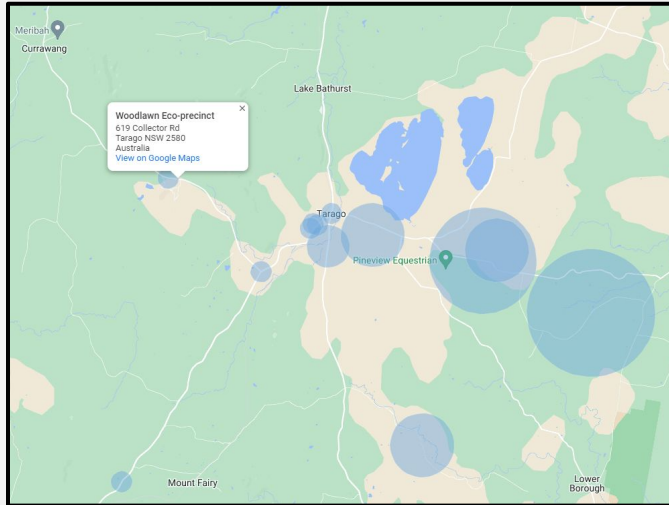
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ECO-PRECINCT OPERATIONAL

1st to 7th May

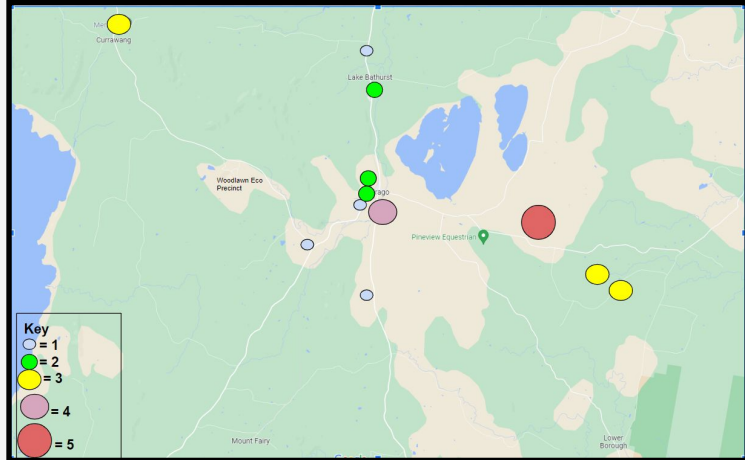
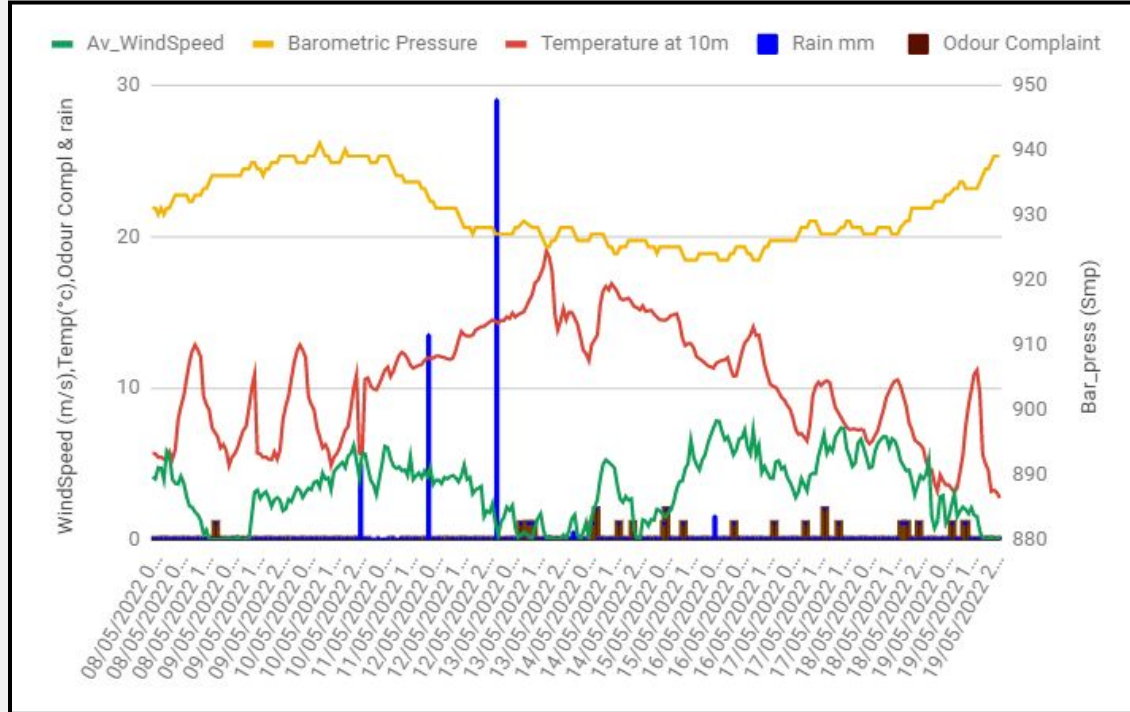
Odour Analysis



ECO-PRECINCT OPERATIONAL

8th to 19th May

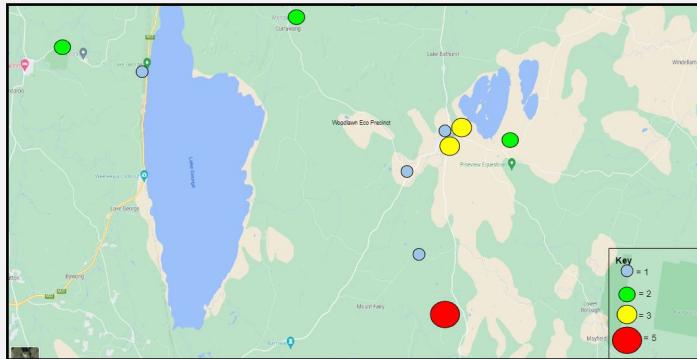
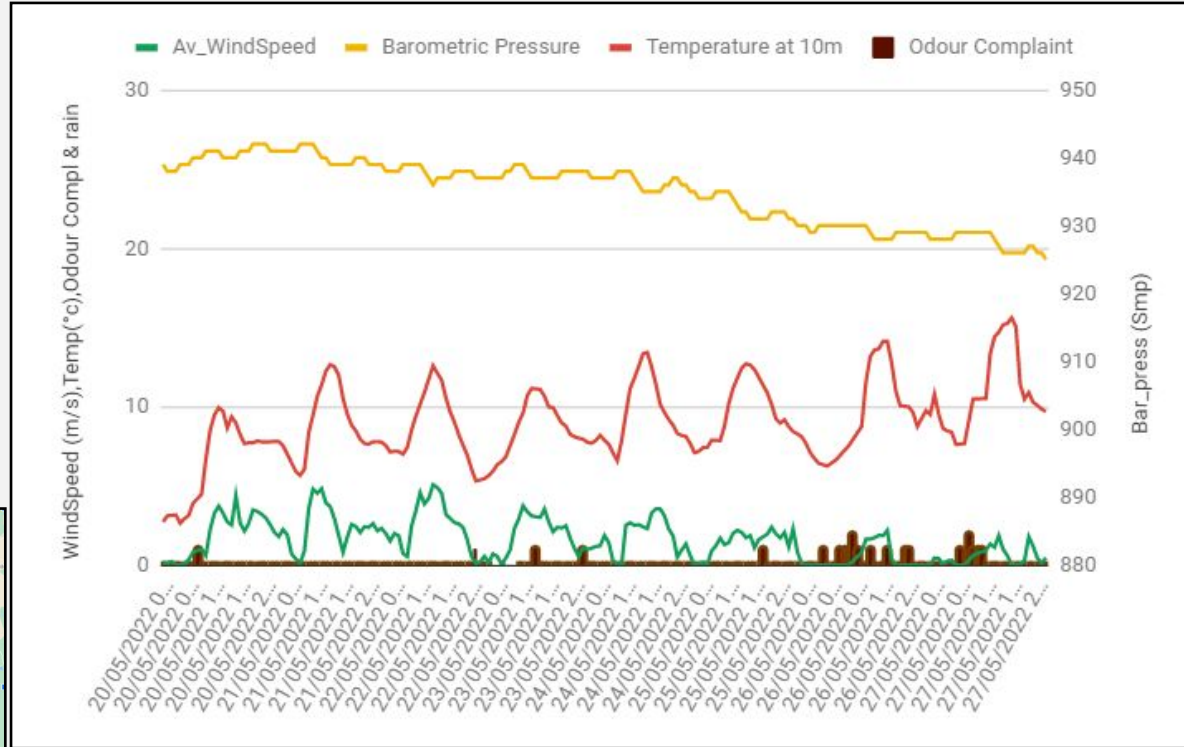
Odour Analysis



ECO-PRECINCT OPERATIONAL

20th to 27th May

Odour Analysis



ECO-PRECINCT OPERATIONAL UPDATE

Independent Environmental Audits

Annual Independent Odour Audit - The Odour Unit Pty Ltd

- Fieldwork component during the week has finished in March.
- DRAFT report has been finalised and currently under review..
- A detailed odour complaint analysis will be carried out separately to the audit and will include an assessment of environmental parameters - have approached Cid Riley to be involved

Annual Leachate and Water Management System Audit - Jackson Environment and Planning

- Fieldwork and site visit has been conducted in March.
- The draft audit report is being finalised by the auditor.

3-Yearly MBT Independent Environmental Audit- Ramboll Australia Pty Ltd

- Fieldwork component finished.
- Report has been finalised.



General Business

GENERAL BUSINESS

Bungendore/Tarago Road Maintenance (Update from QPRC)

- QPRC to provide update on road maintenance plan
- Trees are being cleared
- Earthworks started

GENERAL BUSINESS

Project Development - Woodlawn Eco-Precinct

Woodlawn Advanced Energy Recovery Centre

- Final stages of preparation EIS is still underway - timing to avoid school holidays
- Public Exhibition is likely to be in the coming months - expecting extended time
- Get in touch with the Project Team if you have questions

FOGO Processing Stage 2

- FOGO Stage 1 trial - 15,000t continues. some operational challenges.
- FOGO Stage 2 is to process up to 70,000 tpa. Veolia is currently going through the preliminary design.

GENERAL BUSINESS

Regulatory Matters

VES/EPA Monthly Consultation Meetings

- Woodlawn met with NSW Environment Protection Authority (EPA) and NSW Department of Planning, Industry and Environment (DPIE) - site issues
- Show cause for leaking container x 2
- R4 reports for odour complaints continue

Transport Code of Conduct

- Another review and update is underway

Meteorological Station in Tarago Village

- EPA will be requiring this including H₂S

New Business

1. *Odour tracking and reporting app, and feedback form on Veolia website (JH)*
2. *Traffic Incident Reporting (AE)*



Next Meeting

The next Community Liaison Meeting will be held at the Woodlawn Eco-Precinct TBC 2022 at 5.00pm, or otherwise agreed.

