

Woodlawn Eco-Precinct

Community Liaison Committee Meeting Minutes

Date	Thursday 29 September 2022	Time	5:00 pm
Coordinator	Justin Houghton	Location	Woodlawn Conference Room

Committee List ✓

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

Guests/Observers ✓

Name	Present	Name	Present
Marea Rakete (Veolia) (Minutes)	✓	Kelly Gee (Veolia)	✓
Nicole Boukarim (Veolia)	✓		

Minutes

1	Welcome
1.1	Meeting opened with Welcome to Country and CLC welcomed the third meeting of 2022.
2	Present / Apologies
2.1	Apologies: Andy Wood, and Kym Wake (Resigned)
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. Membership resignation/s and termination/s Resignation received from Kym Wake prior to meeting Invitation extended to Community reps (AE, SR and CR) to nominate. AE nominated and appointed as Chair. MR to check if quorum no. applies in Charter (Action¹).</p> <p>b. Membership re-nomination for further 2-year term Re-nomination form distributed at the meeting, and signed by all in attendance.</p> <p>c. Targeted community participation</p>

4.2	<p>The targeted letter will be written by Veolia and distributed to the Community accordingly (Action²).</p> <p>Other Matters</p> <p>CR advised he did not see the original minutes. Remainder of CLC received the minutes fine.</p> <p>AE reports that people complain to him about odour, and they only report it to the EPA, or they don't report it at all since they don't believe Veolia acts on it. CR reports that the month of May was bad, and the month of September was bad as well.</p> <p>CR also questioned the long-term effects of odour on human health. An appropriately qualified consultant has been engaged by Veolia to undertake this study. JH said he couldn't understand why it would be bad considering the current high gas collection and said we are still investigating the effects of different climatic conditions and other potential sources on site.</p>
5	<p>Woodlawn Eco-Precinct Operational Update (Slide)</p>
5.1	<p>Bioenergy</p> <p>Energy generation and gas capture was presented.</p>
5.2	<p>Mechanical Biological Treatment</p> <p>A presentation of the MBT's year-to-date incoming and outgoing statistics. Excess waste (MSW) destined for the MBT due to shut-down being landfilled. A waste audit was conducted in Sydney regarding the poor quality of waste being sent to the MBT for processing.</p>
5.3	<p>Bioreactor and Leachate Treatment Plant</p> <p>Statistics on waste receipts for the region, Sydney, and residual waste streams, as well as odour and traffic complaints were presented.</p> <p>Regional waste inputs and distribution from the north and south were explained to the Committee. The site remains compliant with interim approval from GMC, and waste from the North.</p> <p>As far as CR is concerned, the issue is more about the vast increase in Canberra waste impacting the road conditions, and the same 8 x trucks each time without consultation or consideration for locals. His concern is the weight on the roads as opposed to volumes.</p> <p>AE concerned about daylight savings impacting on road users outside of daylight hours again. Trucks are waiting in Bungendore and convoying up together as the sun rises. Total truck movements are the main concern. TfNSW is meant to be doing an analysis. Trucks are turning illegally.</p> <p>QPRC said previously that the Bungendore road wasn't rated for B-doubles. Waste transporters will be notified, Veolia will assess truck no. 's based on speed limits and before light and potantily assign times to stagger arrivals (Action³).</p> <p>Odour and Trucks are Veolia's biggest issues according to AE.</p>

<p>5.4</p> <p>5.5</p> <p>5.6</p> <p>5.7</p>	<p>Site Water Balance and Leachate Treatment As a result of ongoing weather challenges, the site's water balance and water storage capacity have been impacted, causing setbacks in the construction of additional liquid storage dams. Veolia maintains zero discharge. The low temperatures and high humidity have also significantly reduced evaporation rates due to the low temperatures.</p> <p>Construction of additional coffer dams for the storage of treated leachate from the LTP is progressing.</p> <p>Odour Management Veolia's gas capture improvement projects were explained to the Committee.</p> <ul style="list-style-type: none"> a. Gas Capture Improvement Project 1 Review <ul style="list-style-type: none"> i. Gas capture infrastructure b. Gas Capture Improvement Project 2 Plan <ul style="list-style-type: none"> i. Landfill gas extraction method trial equipment has been ordered ii. Improvements to immediate cover iii. Recompaction iv. Investigating methacontrol system and carbon filtration c. Odour Management <ul style="list-style-type: none"> i. Improvements in gas capture has resulted in lower emissions <p>AE queried if the composition of emissions is being analysed as this could be beneficial.</p> <p>Environmental Compliance</p> <ul style="list-style-type: none"> a. Awaiting Draft Independent Odour Audit Report from consultant b. Monthly meeting with the NSW EPA are ongoing c. Weather/H2S Monitoring Station in Tarago d. Environmental Performance Reporting <p>Community Consultation</p> <ul style="list-style-type: none"> a. Tarago Times b. Updated Website c. Fielding CLC Enquiries
<p>6</p>	<p>General Business</p>
<p>6.1</p> <p>6.2</p>	<p>Bungendore/Tarago Road Maintenance (Update from QPRC) No update available due to absence of JP.</p> <p>Collector Road and Bungendore Road to IMF (Update from GMC) GMC is scheduling large scale heavy patching on Collector Road prior to March 2023. Funding applications for Section 2km for rehabilitation project are underway. A consultant has been engaged by Veolia to survey a section of Bungendore Road climbing lane, which will be submitted to GMC by the end of the month.</p> <p>AE queried if any trucks had reported any vehicles overtaking them. Reiterate the importance of this to SF (Action⁴).</p>

6.3	<p>Project Development - Woodlaw Eco-Precinct</p> <p>a. Woodlawn Advanced Energy Recovery Centre AE reiterates that this facility is not desired by the community. There is talk of ash being used in road bases elsewhere, as well as potential leeching.</p> <p>The Veolia Site management does not know anything about the Chamber of Council presentation re: Veolia redevelopment on 12 October 2022. This is assumed to relate to ARC. On behalf of the CLC, we would prefer more consultation with communications eg. EIS status.</p> <p>b. FOGO Processing Stage 2 No change. The end use of 70,000t of FOGO was questioned by AE. JH advised on Pylara Farm to begin with.</p>
7	New Business
7.1	<p>Concerns about truck movements and waste limit exceedance (AE) JH highlighted the investigation of a real time Odour tracking and reporting application.</p>
7.2	<p>Streamliners Train from Bungendore to Tarago According to Facebook events, streamliners are running a train from Bungendore to Tarago, and AE wondered if Veolia would be running a train on the same Saturday which could cause conflict. There has been very little comms with the community on this from the event organisers.</p> <p>JH reiterates that Veolia has made all attempts to maintain transparency. CR is concerned about the consistency of the waste, same 8 trucks every day, without prior comms.</p>
8	Meeting Closed by Chairperson
8.1	Meeting Closed by Chairperson at 6:36pm.

Action List

Item	Action	Assigned to
1	Check the CLC Charter for quorum requirements/numbers	Veolia
2	Prepare and distribute EOI letters to community groups	Veolia
3	Analyse truck no. 's based on speed limits and travel time before light	Veolia
4	Stress the importance of reporting overtaking vehicles to SF	Veolia

Attachments:

1/ Veolia CLC Meeting #12 Operational Presentation



Woodlawn Eco-Precinct Community Liaison Committee Meeting

Thursday 29th September 2022

*NSW Woodlawn Eco-Precinct
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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>Bioenergy</i>2. <i>Mechanical Biological Treatment</i>3. <i>Bioreactor and Leachate Treatment Plant</i>4. <i>Site Water Balance (including leachate treatment)</i>5. <i>Odour Management</i>6. <i>Environmental Compliance</i>7. <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>Collector Road and Bungendore Road to IMF (Update from GMC)</i>3. <i>Project Development - Woodlawn Eco-Precinct</i>
7	<i>New Business</i> <ol style="list-style-type: none">1. <i>Concerns about truck movements and waste limit exceedance (AE)</i>
8	<i>Meeting Closed by Chairperson</i>

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Present / Apologies

Approval of Previous Minutes

Matters Arising from Minutes

MATTERS ARISING FROM MINUTES

Veolia Community Liaison Committee

- VCLC Charter Review
- Membership resignation/s and termination/s
- Membership re-nomination for further 2-year term
- Targeted community participation - Letter for review

Eco-Precinct Operational Update

1. *Bioenergy*
2. *Mechanical Biological Treatment*
3. *Bioreactor and Leachate Treatment Plant*
4. *Site Water Balance (including leachate treatment)*
5. *Odour Management*
6. *Environmental Compliance*
7. *Community Consultation*

ECO-PRECINCT OPERATIONAL UPDATE

Bioenergy

YTD Biogas Capture (25th September 2022)

- Energy Generation 38,222 MWh
- 255,499 tCO₂-e CH₄ captured
- In 2022, averaging 28,389 tCO₂-e monthly to removing 74,058 cars off the road each month

Mechanical Biological Treatment

YTD Waste Processed (25th September 2022)

- Sydney Waste 57,622.16T
- MWOO to Bioreactor (ADC) 14072.60T
- WOO to Tailings 13565.78T
- Ferrous Recovery 82.440T
- Cracking discovered in Drums - engineering repairs



ECO-PRECINCT OPERATIONAL UPDATE

Bioreactor Landfill

YTD Waste Processed (25th September 2022)

- Regional Waste 89,480t
- Sydney Waste 500,035t
- MBT Residual 33,370t
- Waste to MBT 64,638t

YTD Complaints Register (25th September 2022)

- Total Complaints (249)
 - Odour Complaints (242)
 - Road Traffic (7)



ECO-PRECINCT OPERATIONAL UPDATE

Tonnage received 2021-22 licence period (September 6th)

Source 7 Sep 2021 to 6 Sep 2022	Licence limit	Actual tonnage received
Waste to Bioreactor via Rail	900,000	642,200
Local waste via road	125,000	119,700
Waste to MBT by Rail	280,000	113,500

ECO-PRECINCT OPERATIONAL

Regional Waste

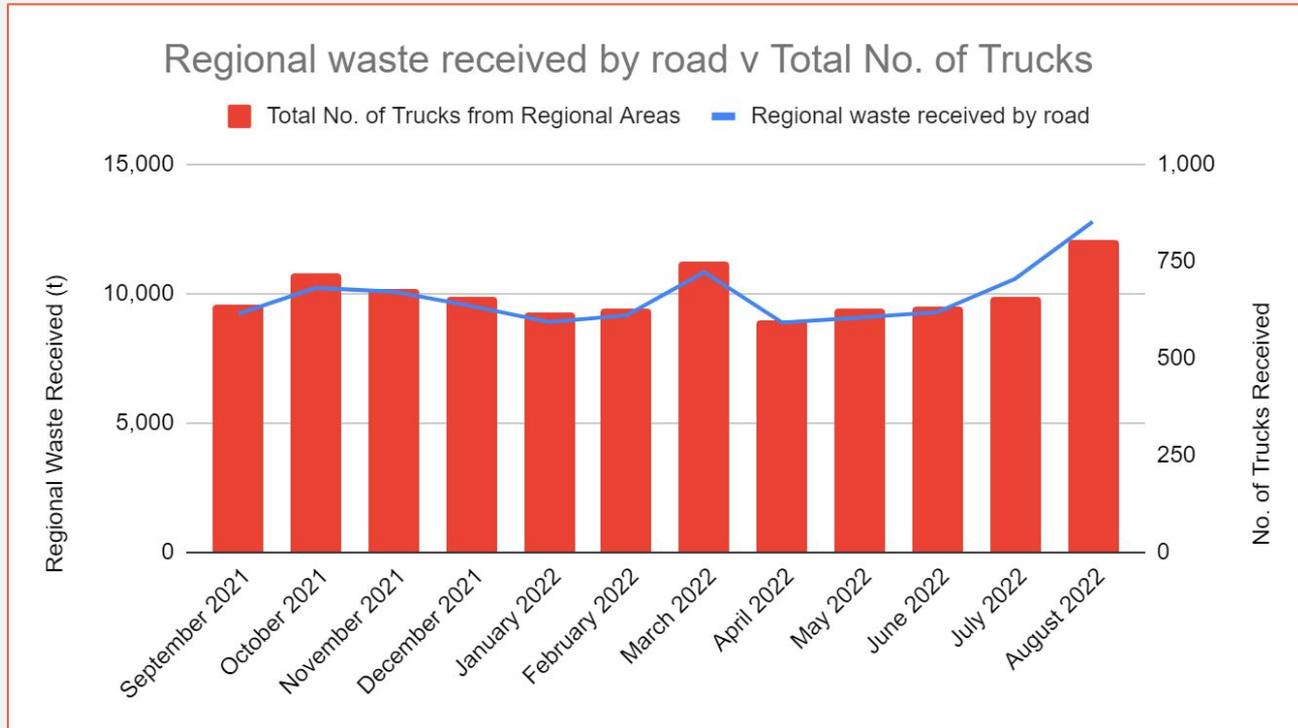
Tonnage received 12 months from Sep 2021 to Aug 2022 - (note total for local waste is monthly total in this table and will be different to the licence period)

Actual Annual Input Rates	Regional waste received by road	Total No. of Trucks from Regional Areas	Regional waste received by road from North	No. of Trucks from North	Regional waste received by road from South	No. of Trucks from South
September 2021	9,219	640	564	54	8,654	586
October 2021	10,220	718	617	59	9,603	659
November 2021	10,073	679	577	61	9,496	618
December 2021	9,519	660	611	60	8,907	600
January 2022	8,901	619	583	58	8,318	561
February 2022	9,160	627	816	104	8,344	523
March 2022	10,831	751	706	116	10,125	635
April 2022	8,886	598	726	90	8,160	508
May 2022	9,070	628	658	81	8,412	547
June 2022	9,283	631	671	80	8,612	551
July 2022	10,567	657	1,113	89	9,454	568
August 2022	12,775	807	2,180	146	10,595	661
Total	118,502	8,015	9,821	998	108,681	7,017
Limit	125,000		15,000		110,000	

ECO-PRECINCT OPERATIONAL

Regional Waste

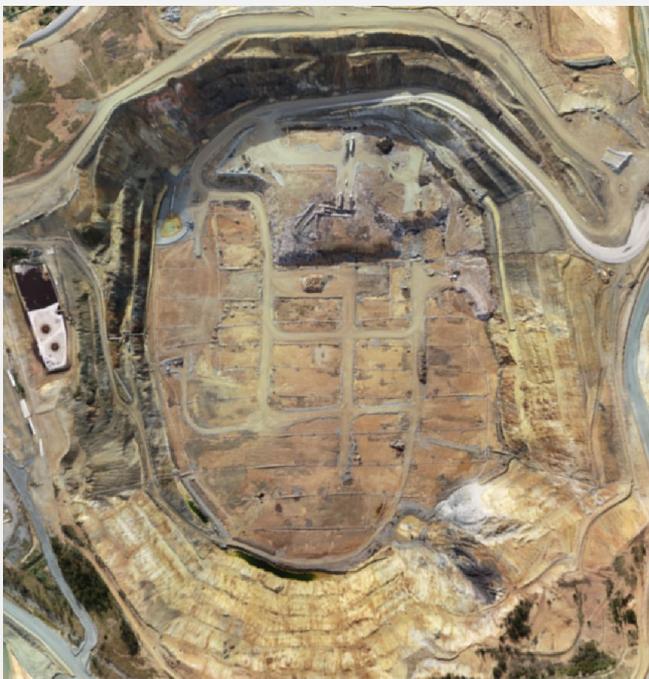
Regional Waste monthly variances (average 31 trucks per day - 40 in Aug)



ECO-PRECINCT OPERATIONAL

Gas capture improvement

Odour/Emissions Management



Gas Capture Improvement Project 1

- Complete

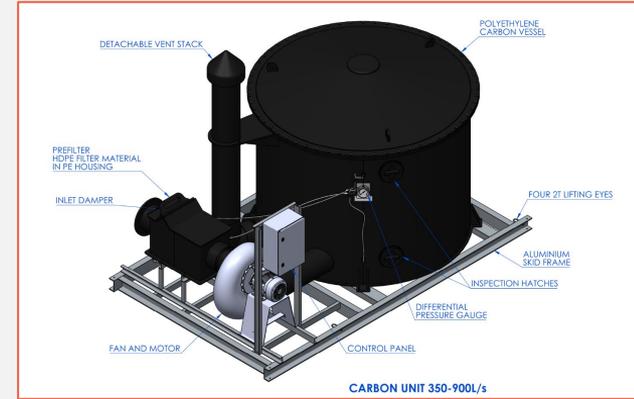
Gas Capture Improvement Project 2 Plan

- **Batter of new lift (760 lift)**
Increase leachate extraction
New LFG extraction method trial
Equipment ordered ✓
- **Active tipping area**
Intermediate cover improved ✓
gas extraction installed ✓
- **Rock/waste interface (760 lift North)**
Horizontal extraction - in design
Area has been compacted - ✓
- **High leachate level areas to increase leachate extraction (storage capacity limited)**
Pump installation has commenced ✓
Limited by extraction volumes (4l/s)
- **Methacontrol system**
Pricing received and CAPEX prepared
Waiting approval from Paris
- **Carbon Filtration**
Pricing received and CAPEX prepared ✓

Odour Management

Odour improvement

- Activated Carbon Filters x 2
 - Pricing received (\$80k each) and CAPEX (Submit next week)
- Methacontrol
 - Equivalent local parts sourced
 - Approval from Paris
- Tipping face gas extraction
 - Design to be finalised and trail implemented October 2022
- ED3N Aeration
 - Aerator installed and in operation

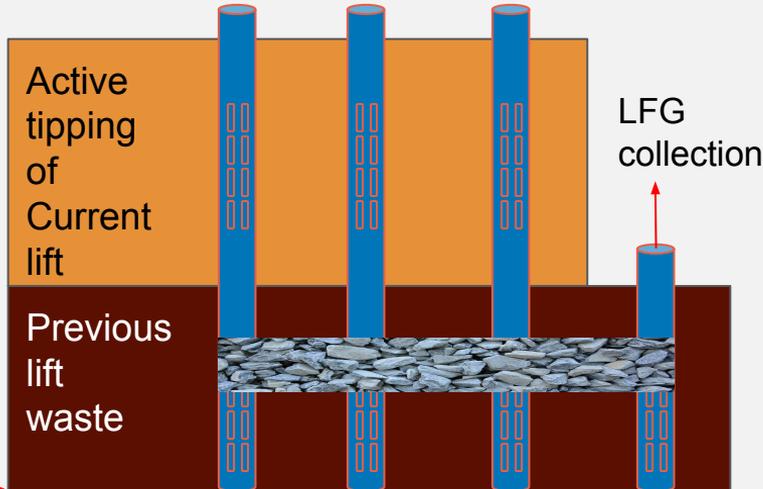


LFG capture

For active tipping area and batter capture, develop subsurface infrastructure to achieve certain level of LFG extraction while tipping.

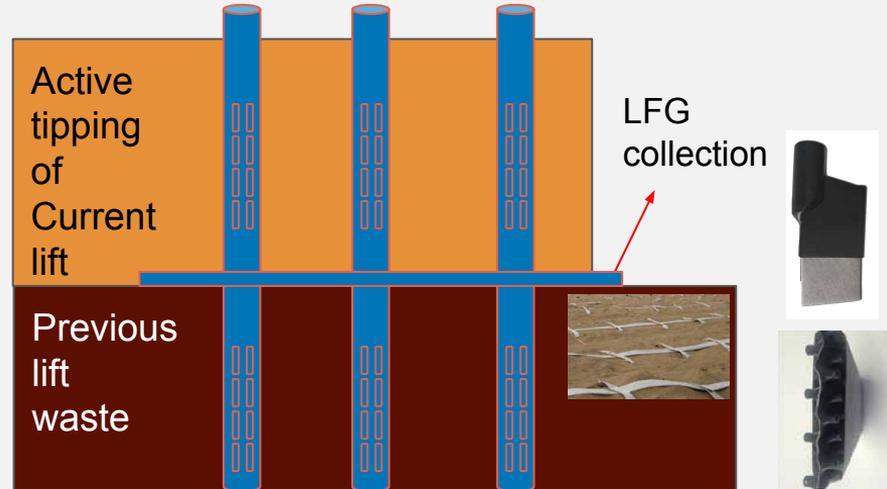
Option 1 - Rock trench to join wells

- 3-4 each group and always have one connected



Option 2 - Gas drain mat

- Sacrificial geosynthetic drainage strip filter on surface prior to tipping



Odour Management Complaints

Odour Reporting and action

- 91 individual Odour reports to EPA YTD - to 30 Apr 2022
- 11 Event based reports to EPA - 1 May to 2 Aug 2022
- Total No of complaints YTD - 228

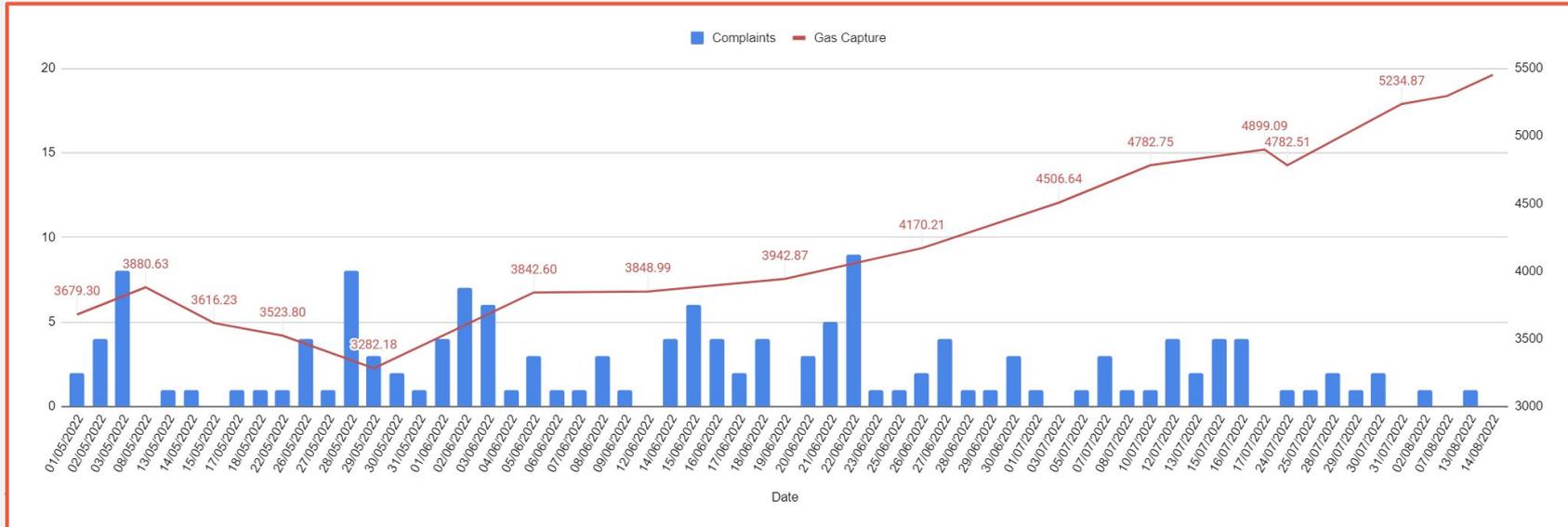
Odour Improvement

Complete

- Increase Gas capture - **60% increase from Dec 2021**
- Significant reduction in surface emissions - surface gas monitoring results (**63% reduction** - 11 to 4 exceedances)

Next steps

- Improve gas capture around tipping face
- Metha control system gas extraction system
- Trial Carbon filtration systems
- Biofilters MBT improvement
- ED3N1 potential odour - installation of aerator



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 - **751.3 mm so far in 2022** and has been reported the **3rd La Nina year**
- Low temperature and high humidity - Significantly reduced evaporation hence storage volume increases
- Woodlawn will remain non-discharge site and any overflow of storage dams will go to ED1 (about 485 ML of capacity remains) NOT off site .
- Construction of Cofferd Dam 2 (about 60% completion) - 50ML
- Preparation of Cofferd Dam #3 started - 100ML

Leachate Treatment

- Bioreactor is maintaining extraction rates from the bioreactor using upgraded infrastructure in the Void.
- 126,529 m³ of leachate have been extracted from the void and treated on site during 2022.
- LTP has finished the 3rd UF train since July and in full operation.
- LTP has treated an average of 3.9 L/s during 2022, slightly lower than 4 L/s due to the cold winter restricting biological process, but with boiler installed the process has been back to about 4.3 L/s.

Liquid Management

Coffer Dam Construction

- Coffer Dam #1 - overflow into ED1 - **Damaged liner**
- Coffer Dam #2 (50ML) - Construction
 - Design - ✓
 - Contracts - ✓
 - Construction started - ✓
 - Completion date Dec 2022
 - Cost 1.7 million

- Coffer Dam #3 - 80~100 ML capacity
 - Location finalised-based on the ED1 volume forecast ✓
 - Construct dewatering wall - commence in August 2022 ✓
 - Completion of dewatering wall October 2022
 - Geotechnical study, design, and approval
 - Dam construction start - November 2022
 - Completion date June 2023
 - Cost estimate - **>3.5 million** (depending on clay import)

ED1 coffer 2 construction site - 60% completion



Coffer Dam #3 retaining wall started



ECO-PRECINCT OPERATIONAL UPDATE

Environmental Compliance

- Awaiting Draft Independent Odour Audit Report from consultant
- Monthly meeting with the NSW EPA are ongoing
- Weather/H2S Monitoring Station in Tarago
 - Plan to install and commission Weather and H2S Monitoring Station in Tarago submitted to the EPA for approval.
 - Proposed location Tarago Recreation Area, awaiting approval from landowner (Tarago Sporting Association)
 - Interim H2S Monitoring will be installed until Station is commissioned
- Environmental Performance Reporting
 - Annual Return (Bioreactor and Crisps Creek)
 - Annual Environmental Performance Report for EPA (Bioreactor and Crisps Creek)
 - Annual Environmental Management Report for DPE (Bioreactor and Crisps Creek)

ECO-PRECINCT OPERATIONAL UPDATE

Community Consultation

Tarago Times

- Monthly operational and odour updates
- CLC membership call out

Updated Website

- Monthly odour updates
- CLC charter added
- 2022 Leachate & Water Management System Audit report & recommended responses
- Weekly odour complaints register

Fielding CLC Enquiries

- A community member has been asking about the CLC's diversity and the process of member appointment, term length, etc.
- We shared with them the charter and confirmed we will make a greater effort to increase diverse representation
- We plan to disperse advertisements calling for new members at local community centres

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General Business

1. *Bungendore/Tarago Road Maintenance (Update from QPRC)*
2. *Collector Road and Bungendore Road to IMF (Update from GMC)*
3. *Project Development - Woodlawn Eco-Precinct*

GENERAL BUSINESS

Bungendore/Tarago Road Maintenance (Update from QPRC)

- QPRC to provide update on road maintenance plan

GENERAL BUSINESS

Collector Road and Bungendore Road to IMF (Update from GMC)

- GMC to provide update on road maintenance plan

GENERAL BUSINESS

Project Development - Woodlawn Eco-Precinct

Woodlawn Advanced Energy Recovery Centre

- EIS has been completed and is with the regulator for review prior to making public
- Public Exhibition is likely to be in October - 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.



NEW BUSINESS

Concerns about truck movements and waste limit exceedance (AE)

New Business

1. *Concerns about truck movements and waste limit exceedance (AE)*



Next Meeting

The next Community Liaison Meeting will be held at the Woodlawn Eco-Precinct Thursday 1st December 2022 at 5.00pm, or otherwise agreed.

