

# Woodlawn Eco-Precinct Community Liaison Committee Meeting May 2024

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



# Acknowledgement of Country

*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 and any first nations people present here today.*

*Welcome and thank you. Effective community consultation is a participation 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 keep us informed of issues that the community finds important so we can provide feedback and continually improve our processes.*



# Introductions / Welcome

# MEETING AGENDA

Item	Topic
1	<i>Introductions / Welcome/Agenda</i>
2	<i>Present/Apologies</i>
	<i>Actions from last meeting</i>
3	<i>ARC Project Update</i>
4	<i>Woodlawn Eco-Precinct Operational Update</i> <ul style="list-style-type: none"><li>1. <i>Woodlawn Bioreactor &amp; Leachate Treatment Plant - tonnage</i></li><li>2. <i>Water Management/Leachate Management</i></li><li>3. <i>Bioenergy - gas capture &amp; power generation</i></li><li>4. <i>Odour Management</i></li><li>5. <i>Container Management</i></li></ul>
5	<i>Environmental Compliance Update</i> <ul style="list-style-type: none"><li>1. <i>Environmental Audit Actions</i></li><li>2. <i>Project Approval Modifications</i></li><li>3. <i>Compliance action updates</i></li></ul>
6	<i>CLC Actions, Q &amp; A</i>
7	<i>Meeting Closed - Next Meeting TBC</i>

# | Present / Apologies

# MEETING ATTENDANCE

<b>Date</b>	Thursday 30th May 2024	<b>Time</b>	5:00pm to 7.30pm
<b>Location</b>	Tarago Hall - Wallace Street Tarago		

<b>Name</b>	<b>Present</b>	<b>Name</b>	<b>Present</b>
Justin Houghton (JH) (Veolia)		Raymond Choy (RC) (Veolia)	
Cr Andy Wood (AW) (GMC Councillor)		No representative (TSA Rep)	
Cr John Preston (JP) (QPRC Councillor)		Dr Samantha Johnson (SJ) (Community Rep)	
Kym Wake (KW) (Community Rep)		Kathryn Whitfield (KLW) (Veolia ARC Project Director)	
Fiona Jeffery (FJ) (Community Rep)		Lee Smith (LS) (Veolia ARC Project Team)	
Lois Wake (TADPAI Rep)		Scott Martin (SM) (GMC Director Planning & Environment) - Invited Visitor	

# | Actions from Last Meeting

# MEETING

## Actions

Action	Status
Update community on H2S study in the Tarago Times - "not completed need more data"	More information
Veolia to investigate "snap send solve" app - IT looking at any cyber security risks	IT investigating
Veolia to continue to source a suitably qualified CLC meeting Facilitator	<b>Complete</b>



# | ARC Project Update

# VEOLIA ARC NEXT STEPS



## Response to Submissions Report

- In late 2023 Veolia submitted our interim response to submissions report to DPHI and EPA
- We addressed the concerns and issues raised in the community and responding to government body submissions
- In April we received the results of the gap analysis review from DPHI and EPA and our team is currently working through the comments received.
- We are working to finalise the response to submissions report and updated the additional studies requested.
- Once completed, the report will be lodged on the Major Projects portal, making it publicly available for everyone.
- We will notify the community once the report is available (estimated Q3)

## Independent Planning Commission

IPC is the consent authority for this project. Once the IPC process commences there will be review of project documentation, DPHI's assessment report and a process of engagement by IPC with government agencies and stakeholders.

A public hearing will be held at which the community can present. The IPC will then make its determination on the project.

# Eco-Precinct Operational Update

# ECO-PRECINCT OPERATIONAL UPDATE

## Performance

### Bioreactor Landfill - Licence tonnage

YTD Waste Processed (licence 7 Sep 2023 - Feb 2024)

- Regional Waste **96,285t** - (licence 125,000t)
- Sydney Waste **481,369t** - (licence 900,000t)
  - Both were within licence limits for Sep 2022- Sep 23 period

### Mechanical Biological Treatment

YTD Waste Processed (licence Jan 2024 - 28 May 2024)

- Sydney Waste **59,130t** - (licence 144,000 t)
- MWOO to Bioreactor (ADC) **11,904 t**
- WOO to Tailings Rehabilitation **6,764 t**
- Ferrous Recovery **197 t**
- Total diversion from Landfill **18,865t**



### Leachate Treatment Plant

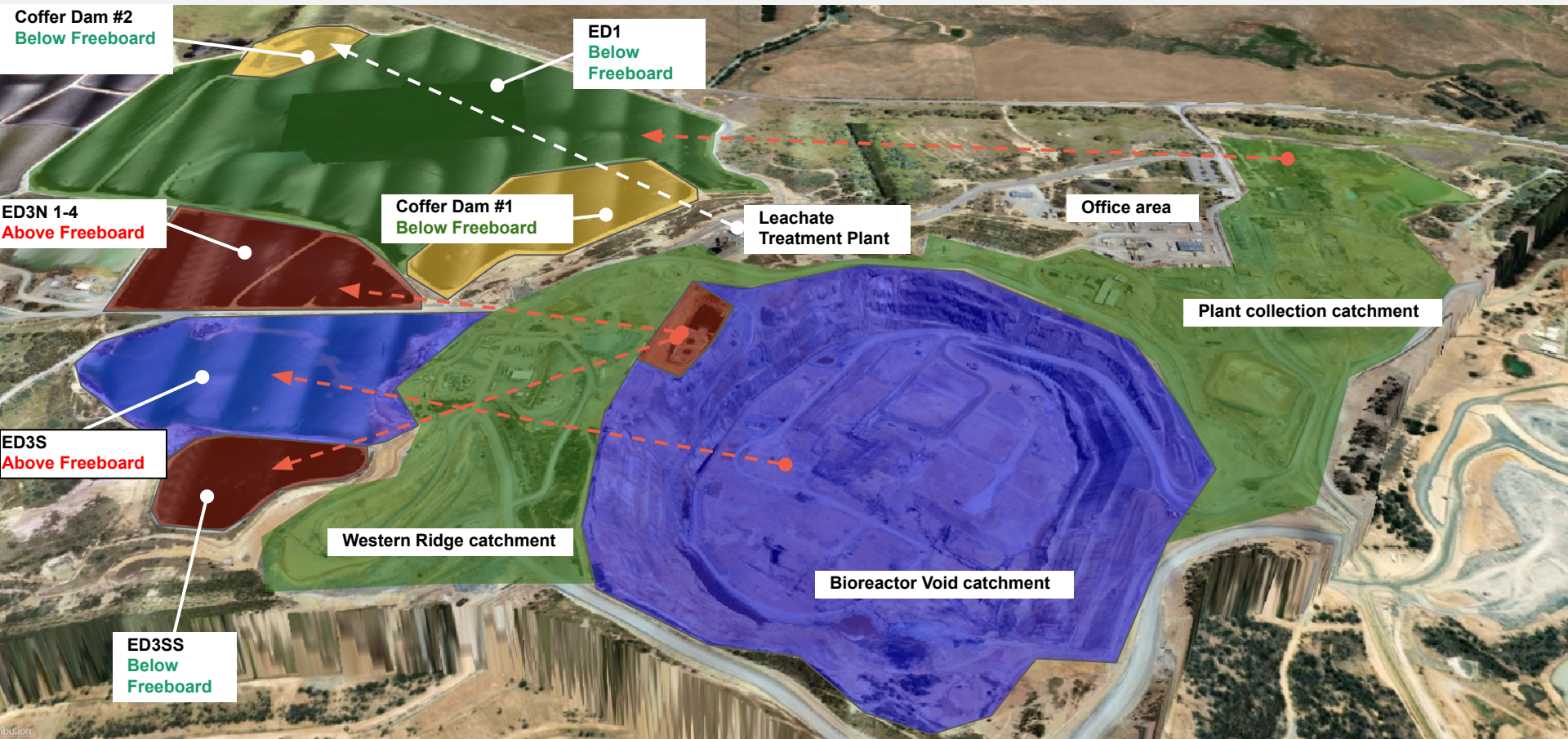
YTD Leachate Treated

- Current treatment rate of 4.5 L/s
- Average treatment rate YTD 4.2/s
- Licence requirement >4L/s



# Water Management

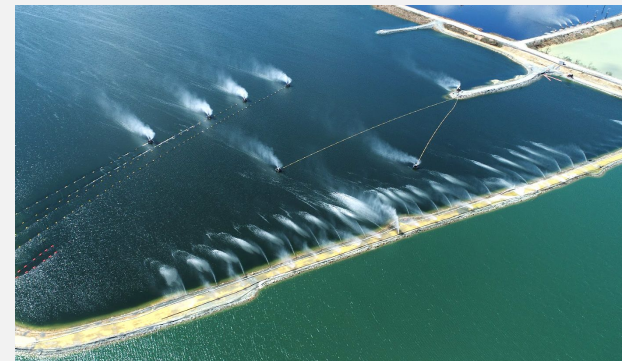
## Storage status and location (End of Jan 2024)



# Water Management

## Freeboard Management - compliance

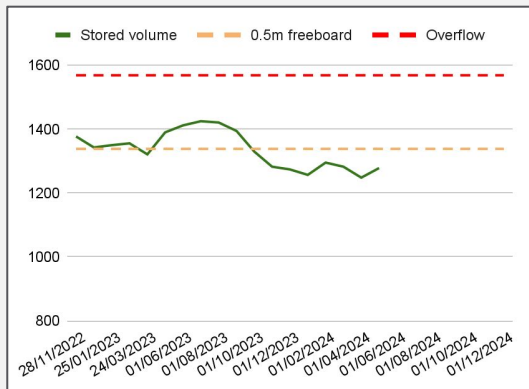
- **ED1 - Below 0.5m freeboard**
  - Current evaporation throughput 206 L/s, @20% efficiency = 3.6 ML /day volume loss
  - Extra 36L/sec evaporation system approved and being designed
- **ED3N Over 0.5m freeboard and ED3SS - Below 0.5m freeboard - remaining capacity to overflow 31 ML**
  - Currently 54 L/s mechanical evaporation
  - Additional 10 L/s throughput, installed in March 2024
- **ED3S stormwater - Over 0.5m freeboard - remaining capacity to overflow 25 ML**
  - Current 14 L/s evaporation throughput
  - Additional 10 L/s throughput, installed in March 2024
- **Coffer Dam #1 - Below 0.5m freeboard**
  - Repair completed and currently in use
  - 36 L/sec installed mechanical evaporation
- **Coffer Dam #2 (50ML) - Below freeboard - 10ML to freeboard**
  - Currently no liquid input
  - Evaporating to reduce volume
  - Current 22 L/s evaporation throughput



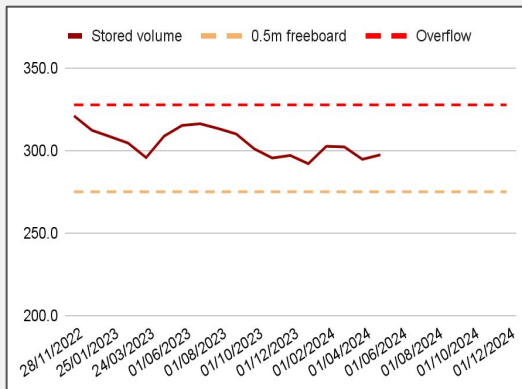
# Water Management

## Liquid Storage change - Trends

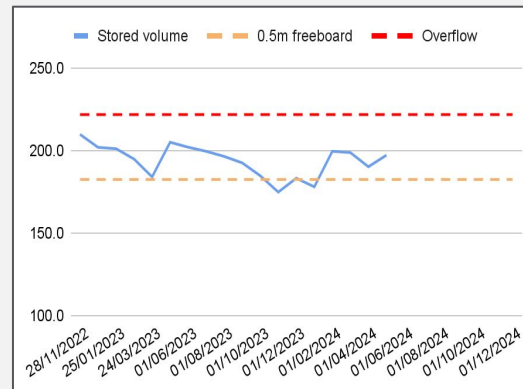
ED1



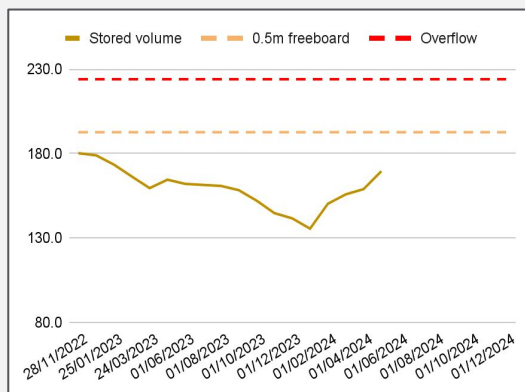
ED3N and ED3SS



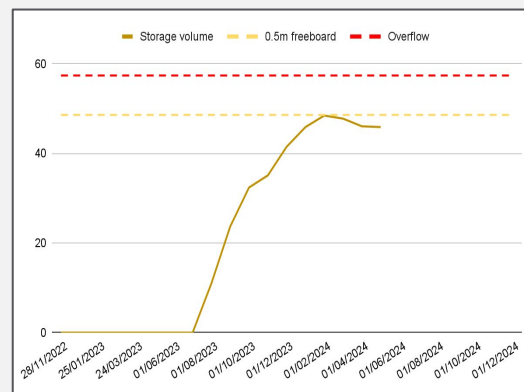
ED3S Stormwater



Coffer dam #1



Coffer dam #2



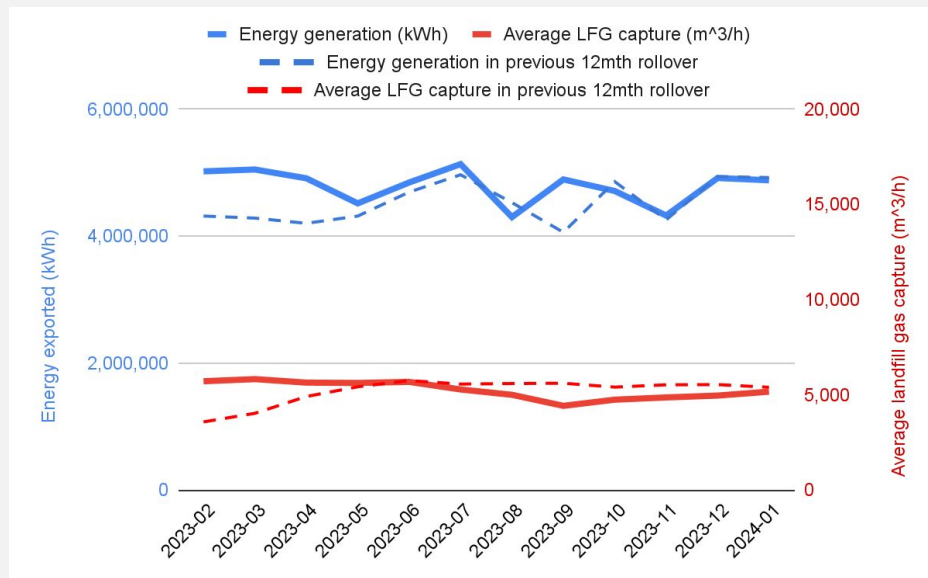
# ECO-PRECINCT OPERATIONAL UPDATE

## BIO-ENERGY

### Bioenergy

#### 2023 Biogas Capture

- Gas collected in last 12 months (05/23-04/24)  
**46,063,481 m<sup>3</sup>**
  - Increased by **591,338 m<sup>3</sup>** compared to previous 12 months
- Energy Generation **57,523 MWh** in last 12 months
  - Increased by **3,160 MWh** compared to previous 12 months
- In last 12 months, the captured emission is equivalent to removing 87,538 cars off the road through the year





# ECO-PRECINCT OPERATIONAL UPDATE

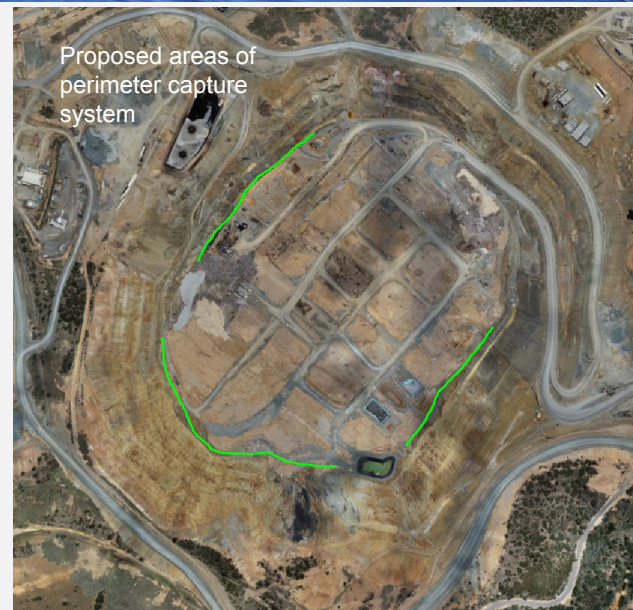
## ODOUR MANAGEMENT

- **Completed**

- ED3N Aeration - 5 aerator in operation, Additional surge aeration (IOA advised 14 February) installed early April 2024.
- MBT Biofilters - Dec 2023 report recommendations, validated by TOU early May, Biofilter 2 receiving same changes trialled at Biofilter 1 prior to 26 June.
- MBT - 4 aeration units installed in Mat area
- May Monthly surface monitoring - **0 exceedance** of 500ppm methane trigger on surface of void since July 2023.
- Carbon filter actively deployed to any hotspots (based on operator input)

- **To do**

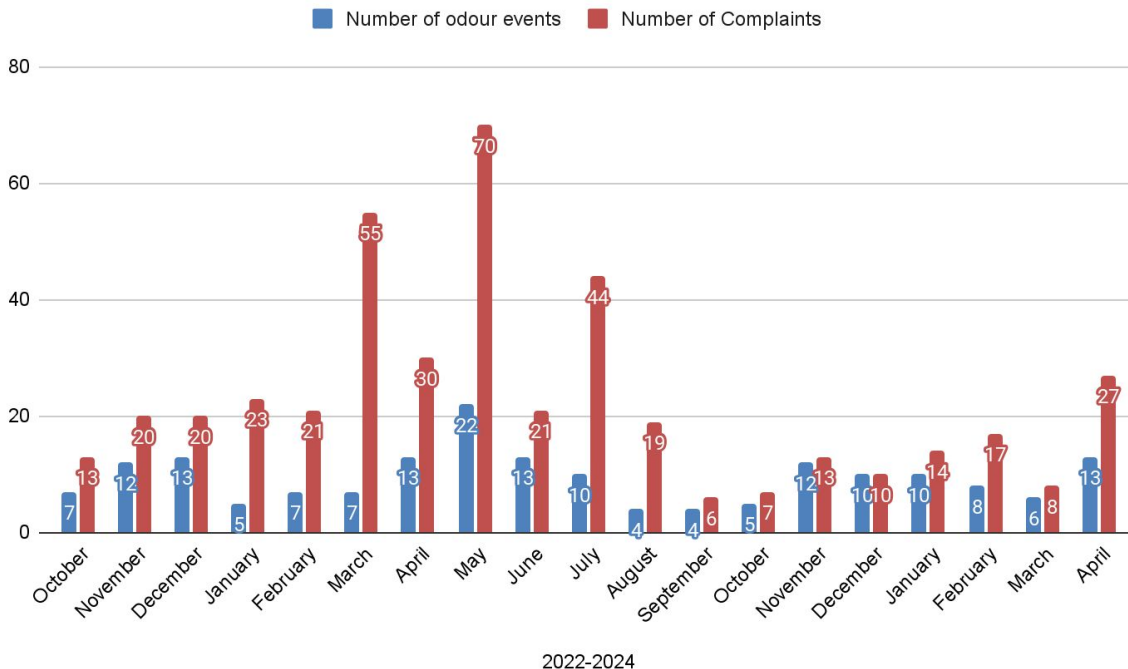
- Improve waste and rock interface gas collection in the bioreactor, plan to install perimeter extraction system - RFP to suppliers for horizontal wells
- Improve landfill cover, active tipping area etc, third party review ongoing by Tonkin - as per IOA.
- Investigating ADC options - tarp supplier site visit 21/3, RFP and request for work methods to include in a trial application.



# ECO-PRECINCT OPERATIONAL UPDATE

## ODOUR MANAGEMENT

- Odour complaints and events have been reducing since July
- Have finished one lift tipping and in the process of recovering LFG capture
- Installed extra drainage to ensure additional gas can be extracted from under the waste surface in the impacted areas



# | Environment Update

# Independent Odour Audit updates

Action	Status	Completion Date
The ambient landfill gas composition laboratory analysis	The Odour Unit deployed the sampling equipment on 28 May 2024. This was a delayed deployment as a result of unfavourable winds on previously planned dates.	28 May 2024
Improved management of the Biofilter at the MBT	Veolia refurbished the biofilter media mid 2023. Additional improvements were made to intensify the spray humidification system. The Odour Unit attended and review the improvements to the biofilter.	08 May 2024

# Independent Odour Audit updates

Action	Status	Completion Date
Leachate Management System improvement	<p>Veolia investigated the cause of the elevated odour levels within the LMS, and implemented improvement actions. The Odour Unit have resampled the dams with elevated odour. Generally an overall improvement was noted, with most dams now within acceptable limits. The identified trends show that areas of outstanding elevated odour should return to within acceptable limits with additional aeration. Veolia to implement further improvement measures to increase reduction of odour.</p> <p>Veolia have engaged Membrane Futures to undertake a review of the Leachate Treatment Plant. The report has been finalised and sent to the EPA. The LTP is now operating at designed capacity.</p>	<p>Completed - surge aeration capacity was installed date by 19 March 2024.</p> <p>Completed</p>
<ul style="list-style-type: none"><li>• Odour mitigation from the void</li><li>• Active tipping face</li><li>• Management of High Rainfall Events</li><li>• IMF and Waste Transport Activities</li></ul>	<p>Veolia have engaged a landfill engineer to undertake a review of the landfill operating practices. This review will address odour mitigation from the void, active tipping face practices, Management of high rainfall events, and improvements identified within the IMF and transportation of waste.</p>	<p>Engaged Tonkin to undertake Site visit 15 May</p>

# ENVIRONMENTAL COMPLIANCE UPDATE

## PA MODIFICATIONS & POST APPROVAL APPLICATIONS

Approval	Type	Description	Status
MP 10_0012 AWT 06_0239	Modifications	Modify the existing project approval for the Bioreactor and MBT to: <ul style="list-style-type: none"><li>Construct an approximately 15 megalitre (ML) dam at the MBTF to hold leachate pumped from the existing approved leachate dam via a pipeline.</li><li>Construct an approximately 100 ML dam at the Bioreactor to hold leachate pumped from the existing approved leachate dams via a pipeline.</li></ul>	Transport to ARRF removed following community feedback.  Seeking approval as soon as possible to facilitate liquid storage
MP 10_0012 (Bioreactor)	Modification	Reverse Osmosis for beneficial reuse. High expenditure water treatment plant that will facilitate significantly improved treatment of treated leachate. Brine will report to the existing dams. Beneficial reuse of the drinking quality water for the water carts, irrigation to the onsite farm, washdown processes, operational processes onsite.	MOD report application with DPHI.
MP 10_0012 (Bioreactor)	Modification	Remediation of old contaminated mine area. Remediate with material that is clean and guaranteed. Goal to prevent rainfall being contaminated in that area. High expenditure but requirement of site to remediate.	Independent third party (WSP) doing conceptual remediation plan, Site contamination auditor Monday 19th February was positive. Auditor is finalizing site suitability report.



# ENVIRONMENTAL COMPLIANCE UPDATE

## PA MODIFICATIONS & POST APPROVAL APPLICATIONS



# ENVIRONMENTAL COMPLIANCE UPDATE

## REGULATORY ENFORCEMENTS

EPL/PA	Date	Facility	Description	Context	Action
EPL 11436	24/06/2022	Woodlawn Bioreactor	Prevention Notice	Container transport to site - leaking containers, requirement to leak test	<p>Veolia engaged experts to assist in rectifying the containers including the QAQC management process. Program of leak detection a great initiative to identify containers in need of refurbishment. Report has been submitted to the EPA with several improvements including the revised testing program having been implemented, with annual reviews by Marloc Engineering proposed.</p> <p>Recent site visit to inspect roofs of containers undertaken by Marloc Engineering.</p>
EPL 11436	26/9/2023	Woodlawn Bioreactor	Prevention Notice	Gas characterization analysis	<p>Veolia has engaged a third party to undertake a review and propose an area monitoring program. This was undertaken on some of the site dams, but the community based sampling was delayed by the third party (The Odour Unit) as they are strictly seeking to capture worst case events with maintained wind direction towards Tarago for 9-12 hours and low wind speed.</p> <p>Sampling undertaken 28 May 2024</p>



# | Community Q & A

# CLC Actions



# Next Meeting

*The next Community Liaison Meeting will be held at the Woodlawn Eco-Precinct TBC agreed.*

