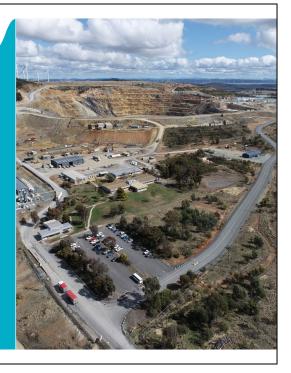
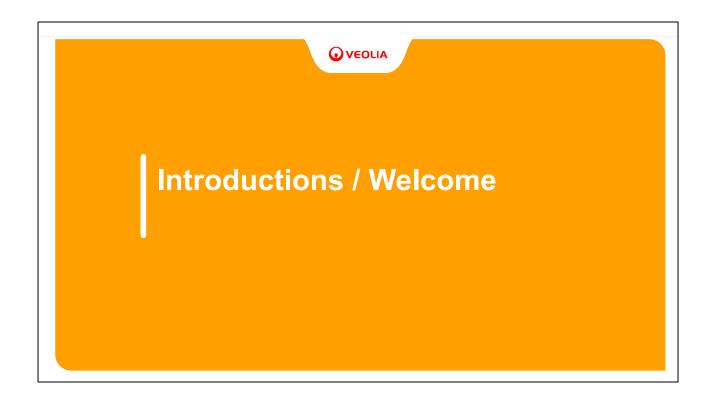


Woodlawn Eco-Precinct Community Liaison Committee Meeting

November 2023

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





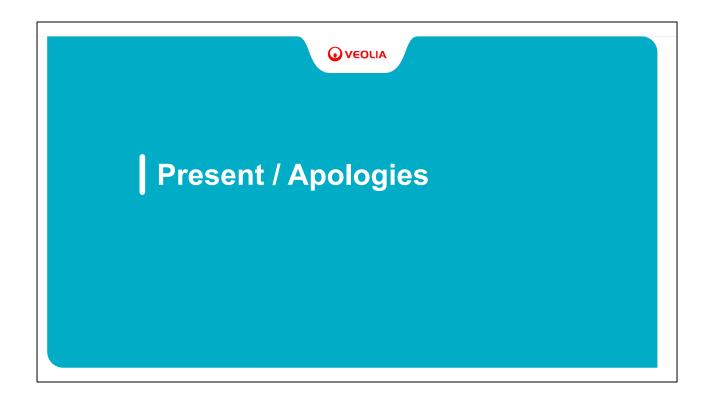
Welcome



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 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.

MEET Agei	-
Item	Торіс
1 /	ntroductions / Welcome/Agenda
2	Present/Apologies
/	Actions from last meeting
3	ARC Project Update
4 (Woodlawn Eco-Precinct Operational Update 1. Woodlawn Bioreactor & Leachate Treatment Plant - tonnage 2. Water Management 3. Leachate Management 4. Bioenergy - gas capture & power generation 5. Odour Management 6. Container Management
5	Environmental Compliance Update 1. Environmental Audit Action 2. General Matters 3. EPL Variations 4. Project Approval Modifications 5. Consultation
6	Community Actions, Q & A
7	Meeting Closed



	ring Ndance					
Date	Thursday 9th N	lovember 202	wember 2023 Time 5:00pm to 7.30pm			m
Location	Woodlawn, Co	nference Roon	n, 619	Collector Road, Tarago		
Name		Present	Nan	ie		Present
Justin Houghton (JH)	Yes	Rayı	Raymond Choy (RC) (Veolia)			
Cr Andy Wood (AW) (No	Mar	Mark Quinlan (MQ) (Community Rep)			
Cr John Preston (JP) (Yes	Dr S	Dr Samantha Johnson (SJ) (Community Rep)			
Kym Wake (KW) (Con	Yes	Kathryn Whitfield (KLW) (Veolia ARC Project Director)			Yes (on-line)	
Fiona Jeffery (FJ) (Cor	Yes	Way	Wayne Baynham (WB) (Community Rep)-			
				t Martin (SM) (GMC Dir ronment) - Invited Visit		No



Action	Status
Include summary status of pending Independent Environmental Audit actions in next CLC	Complete - in presentation
Move 'Present / Apologies' section up to before ARC update. Move 'Actions' recap up front.	Complete
CLC to agree on how to do minutes. Use a presentation format with notes. Here are minutes for that slide. Veolia to send out presentation with minutes in each slide	Complete - use presentation notes.
Send agenda and presentation Thursday prior to meeting (1 week before).	Complete
Update charter as per minutes.	Complete
Add reason of what each slide means and what is relevant to the community (for site update tonnages). Ask so what?	Complete
Feedback - could flick past water management slide unless any changes - just show volume graphs	Noted
Better communicate the positive stories around gas collection, emissions reductions etc. Don't just talk to these exclusively at the CLC.	Noted
Repair broken links on Veolia website	Complete
Veolia to inform the community of how to organise site tours - Also look into an open day later in the year.	Complete - open day 2024
Update community on H2S study in the Tarago Times - "not completed need more data"	More information

- Still intending to get a facilitator. Happy for any proposals.
- Suggestion to look at putting articles in broader regional newspapers.
- Websites are good for information storage but not as form of communication. Use the existing mailing lists to share information via email.



VEOLIA ARC



Response to Submissions Report

Report is 80% complete and will be submitted for adequacy check next month. Expect to lodge the RTS toward end Q1/early Q2 2024. We want to ensure we are adequately addressing all submissions. We will continue to update the community via the ARC website.

We have continued to reach out to additional community groups to offer meetings. Monthly updates via newsletter and Tarago Times. Engagement events next year - ideas welcomed.

Independent Planning Commission

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

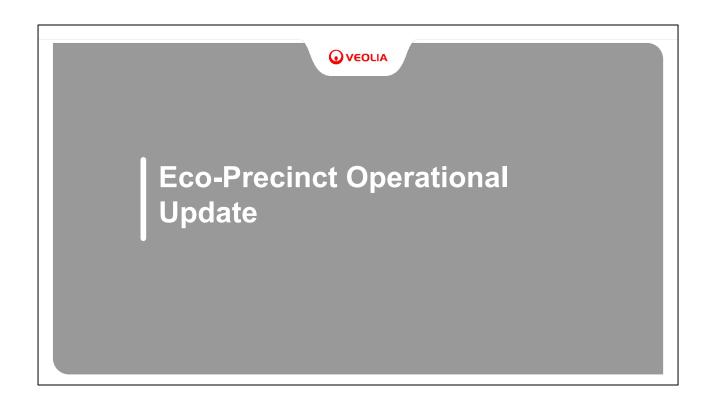
A public hearing will be held at which the community can present. The IPC will then make its determination on the project.

Contact us

If you have questions, don't hesitate to contact us.

CLC comments -

- FJ Suggestion to use citations in future Tarago Times articles.
- KW (in relation to the Targo Times) Show the difference between old technology and new technology. Worth having some topics on Govt policy, what's happening in EU.
- SJ Veolia should discredit incorrect statements in the Tarago Times.
- KW viewpoint that EfW policy and legislation wasn't well delivered or explained by NSW Government.
- CLC Suggested to hold a town hall meeting on ARC in 2024. (JH) There are historic issues with these meetings being overrun by the lobbyists and not enough time to answer genuine questions from the community. Maybe have people submit questions before the meeting. To be run by a facilitator, with technical people in attendance. Would be a good idea to have the NSW Govt present too. Needs to be carefully managed to ensure it stays positive and constructive.
- Veolia Veolia is preparing a response to the latest CATTI article in the Tarago Times. The Veolia Communications team is working with the ARC project team to prepare a balanced response so the community can make informed decisions, based on fact, with both sides of the story being presented.



ECO-PRECINCT OPERATIONAL UPDATE WOODLAWN BIOREACTOR & WOODLAWN LTP

Bioreactor Landfill - Licence tonnage

YTD Waste Processed (7 Sep 2023 - Current)

- Regional Waste 23,579t (licence 125,000t)
- Sydney Waste 95,290t (licence 900,000t)
 - Both were within limits for Sep 2022- Sep 23 period

Mechanical Biological Treatment

YTD Waste Processed (7 Sep 2023 - Current)

- > Sydney Waste 25,719 t (licence 144,000 t)
- MWOO to Bioreactor (ADC) 4,033 t
- > WOO to Tailings Rehabilitation 3,108 t
- Ferrous Recovery 103 t

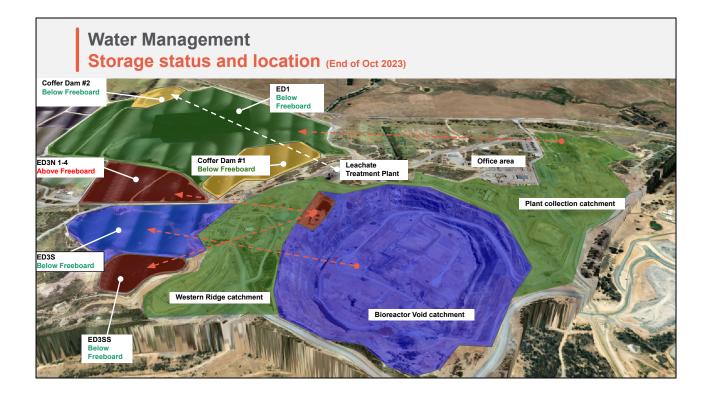


Leachate Treatment Plant

YTD Leachate Treated (3/11/2023)

- Current treatment rate of 3.4 L/s (membrane maintenance)
- > Average treatment rate YTD 4.3/s
- Licence requirement 4L/s

As per slide.



As per slide.

Water Management Freeboard Management - compliance	Evaporation cap once all installed 120 L/sec = 10.4
 ED1 - Below freeboard 60 L/sec mechanical evaporation installed Additional 36 L/s evaporation throughput to install by early Nov 2023 Additional 48 L/s mechanical evaporation system for installation in December 	20% = 2.1 ML/d
 ED3N Over freeboard and ED3SS - Below freeboard - remaining capacity to Currently 54 L/s mechanical evaporation 	

ED3S stormwater - Below freeboard

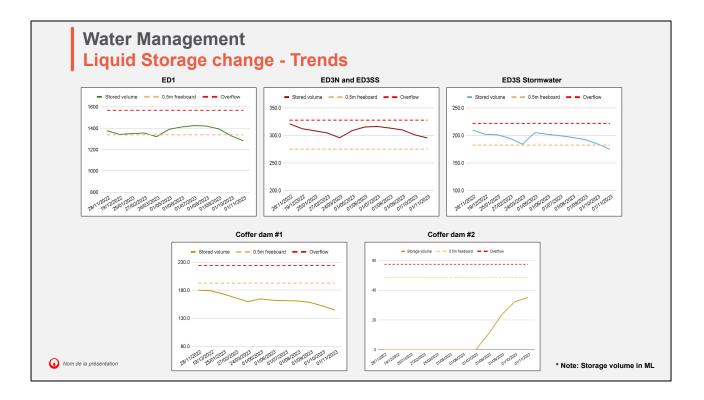
- Current 4 L/s evaporation throughput
- Additional 10 L/s evaporation throughput by end of 2023 (pump arrived, in the process of installation) 0
- Coffer Dam #1 Below freeboard
 - Liner repair completed
 - 0 36 L/sec installed mechanical evaporation
- Coffer Dam #2 (50ML) Below freeboard
 - Currently taking all treated leachate App. 345,000 L/day
 - Increased evaporation throughput 10 L/s 0
 - Additional evaporation planned to install by end of 2023 0

* Note: 1 L/s = 86,400 L/day @ 20% evaporation = 17,280 L/day

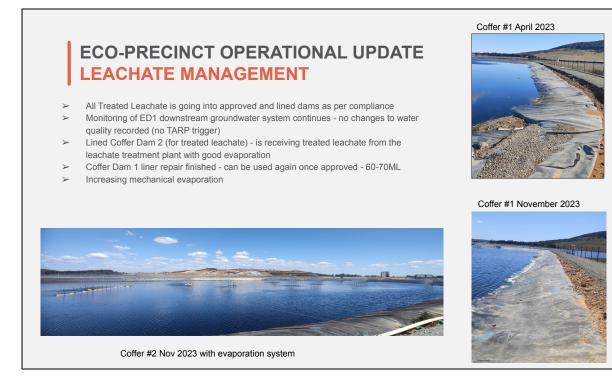
As per slide.

Nom de la présentation

Evaporation capacity ED1 once all installed 120 L/sec = 10.4 ML/day 20% = 2.1 ML/day loss

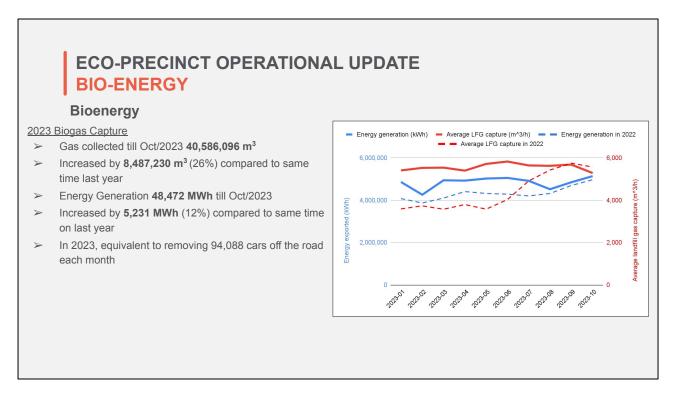


- 4 of the 5 main dams now back under freeboard.
- Question was asked what is freeboard. Freeboard is the volume a dam can be used to during normal operations usually half a metre below the top of the dam wall. The level above freeboard is for emergency purposes. This is why liquid levels above freeboard are a non compliance. The last 3 years of double annual rainfall meant that freeboard was breached.
- Doubled mechanical evaporation in past 2 years.



As per Slide.

• Initial repairs completed with QA/QC documentation being finalized by contractor.



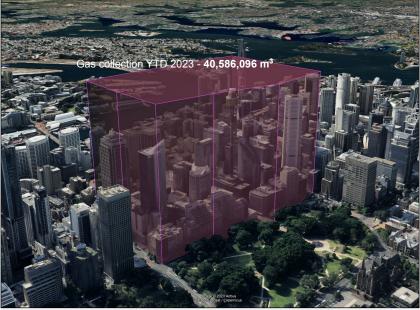
Q. How much gas goes to the flare and how much goes to the engines, what else we can do with the gas and what is best for environment.? A. The gas we extract is under contract to produce energy any extra gas is then flared. Veolia don't believe that providing information on what volumes of gas go specifically through the engines and/or the flare is relevant to community impacts. EPA requirement is to destroy gas (Methane) either through engine and flare. Engines are at full capacity so flares are for any peaks. Would be good to understand reason and context for question. Understand some people want to remain anonymous but we need to understand why some people want this level of detail - this is confidential information that may be used by competitors.

- FJ Suggested that the community member may have asked the question to gauge the environmental impact of the gas flaring. JH acknowledged that that in itself may be a fair question. However, Veolia's stance in the topic is still as above.
- SJ Suggestion that could do an article about EPA's role and what they do as regulators.
- Part of CLC role is to transfer information and to help address trust in community. Community still find odour as an issue.
- RC Veolia continue to spend millions of dollars to address the odour issues. Independent third party odour audits publicly available demonstrate there have been improvements.
- SJ Suggested that the third party should be named instead of just referred to as independent third party as this could be useful for the community to understand who is involved Universities etc.

- General discussion around whether providing too much detail opens up scrutiny and can be manipulated and used against Veolia and in that case does it actually build trust?
- Overarching conversation about role of EPA.
- FJ clarified that all questions she receives come from residents living in the Tarago area who ask via email, FB or in person.

Visual of Gas captured YTD Woodlawn

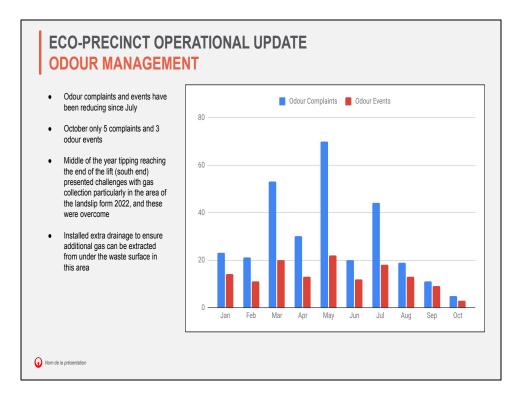
The equivalent of taking 94,088 cars off the road. if they were to be lined up bumper to bumper, they would stretch a distance of 400km (from Tarago to Newcastle)!!



As per slide



- JH Zero exceedances of methane gas above 500 ppm from the waste surface. Veolia believe there is more opportunity to reduce emissions from around the edge of the waste. Will be installing extraction and biofilters in these areas. Increasing aeration of leachate storage dams to reduce odour potential.
- RC Independent odour audit is a licence requirement. Samples taken in March 2023. Once report is received it is typically sent to EPA first before it is published online.
- RC Veolia start addressing any recommendations as soon as we are aware of any from conversations on site visits and draft reports.



- JH Over last 3 years the odour events (days when odour is recorded) have reduced, however, number of complaints has remained high. Again we need to know on the day what is going on and not to wait until EPA send a report 3 weeks later.
- SJ suggested to have article in Tarago Times focused on odour. Ideas

 What information do we need from community? Should we use
 graphs? What information will help Veolia understand the situation
 better and what is just complaints. Need to list all the actions that have
 been completed from an odour perspective to date.
- JH One view in regard to the Tarago Times was that community may say Veolia is just trying to justify or play down complaints if shared? Veolia want to fix the problem and we need that message to get across.

ECO-PRECINCT OPERATIONAL UPDATE CONTAINER MANAGEMENT

Containers

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- Currently have 381 containers in the system -27,000 full container movements from Crisps creek to Woodlawn per year
- Container Design and Construction
 New inspection and testing schedule in place.
 All containers are being put through this

process (table)

- Container Maintenance and Inspection

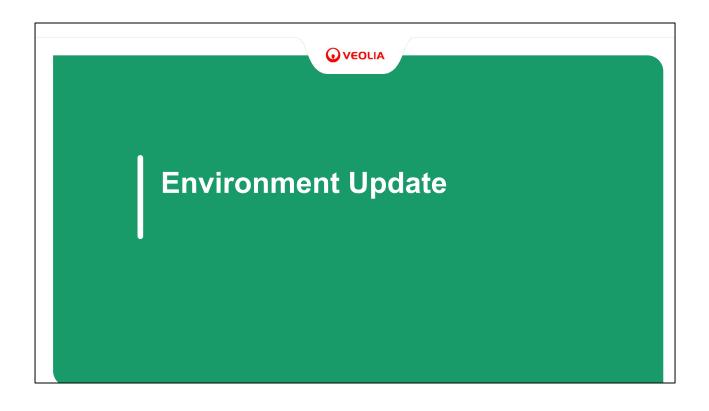
 A container maintenance programme is in place to ensure the prevention of leakage from containers during transport and handling activities - daily
 - 100 new containers started arriving in September 2023 - all quality inspected and water tested prior to using.

Container Series	Total number	Inspected and Water tested	To be water tested	
300	28	27	0	1 decommissioned
400	55	45	10	
500	74	70	4	Currently completing 2 per day
600	79	49	30	
700	82	14	68	Less than 2 years old
800	63	22	41	Less than 2 years old
Total	381	227	153	*some will be decommissioned and replaced

 Container program going really well we have completed almost all of the older containers and are now inspecting the newer containers. Have been actively inspecting, carrying out any repairs if required, replacing seals and water testing.



All containers are designed and constructed by qualified and experienced contractors to prevent leakage and odour from containers during transport and handling activities.



Independent Environment Audit Recommendations

Recommendation	Action	Status
Undertake a review of the complaints response process and consider appropriate corrective actions to ensure that the 24-hour report requirement is met on an ongoing basis.	A review of the process and reporting templates have been completed. Consultation with relevant stakeholders in progress.	Completed
Update Veolia's Transport Code of Conduct in consultation with RMS, Goulburn Mulwaree Council, Palerang Council and the Community Liaison Committee, and to the satisfaction of the Department.	TCC has been updated and needs to be distributed to relevant stakeholders. Sent to GMC 06/08 RTA and QPRC consulted 14/10/21 and VCLC consulted 03/03/22.	Completed
Develop a process to identify waste volume exceedances using cumulative data and prompt timely notification to the Department as required.	Monitored monthly as part of the road contributions calculations and communicated to RR Sales and RR State Manager. Datalake Dashboard being developed in 2022 to provide additional level of insight into waste volumes to Woodlawn.	Completed
Review and revise the LEMP and its sub-plans, particularly the SWMP as appropriate. Also consider the EPA's previous comments in relation to the SWMP and LMP (16/08/2018).	LEMP and SWMP were updated and submitted to EPA for approval. Outcome pending	Completed
Ensure that future gas engine emission test reports, report the calculated destruction efficiency correctly and that Veolia reports potential non-compliances as required under the EPL.	Veolia and the third party consultant is now using a secondary approved test method that has eliminated the margin of error, and provides a more accurate and reliable destruction efficiency calculation, confirming that the required minimum destruction efficiency of 98% is being achieved.	Completed
Continue to optimise the LTP performance to achieve the required minimum 4 L/s leachate treatment rate.	Veolia continues to explore methods to improve the LTP performance, with leachate treatment rates at times in excess of the 4 L/s requirements.	Completed

• Have taken onboard feedback from last meeting to structure slide into recommendation, action and status.

ENVIRONMENTAL COMPLIANCE UPDATE PA MODIFICATIONS & POST APPROVAL APPLICATIONS

Approval	Туре	Description	Status
MP 10_0012 AWT 06_0239	Modifications	 Modify the existing project approval for the Bioreactor and MBT to: Construct an approximately 15 megalitre (ML) dam at the MBTF to hold leachate pumped from the existing approved leachate dam via a pipeline. Construct an approximately 100 ML dam at the Bioreactor to hold leachate pumped from the existing approved leachate dams via a pipeline. Transport leachate from the existing and proposed dams to Veolia's Spring Farm Advanced Resource Recovery Facility (ARRF) via road and/or rail. 	Additional surveys required for new species by DPE
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.	Scoping letter lodged to DPE
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 doing conceptua remediation plan
MP 10_0012 (Bioreactor)	Modification	FOGO Shed changes - proposed investment in increasing size of the shed. No change to equipment or feed. Will facilitate safer operation, room for mobile equipment to maneuver.	Scoping letter being developed

Suggestion to use Tarago Times and letterbox drop to communicate for any new modifications.

ENVIRONMENTAL COMPLIANCE UPDATE PA MODIFICATIONS & POST APPROVAL APPLICATIONS -Reverse Osmosis



 Proposed modification to put in an additional water treatment step = ~50% ultra pure water for beneficial water e.g. for use in water carts, irrigation to the onsite farm, washdown processes, operational processes onsite and the remaining goes to leachate dams.

ENVIRONMENTAL COMPLIANCE UPDATE PA MODIFICATIONS & POST APPROVAL APPLICATIONS -Old mine processing area rehabilitation



- RC- Have to remediate the land as part of our consent and this area is a large part of the catchment for evaporation dam 1.
- RC -Third party specialists, WSP, to approve site remediation plan for the best rehabilitation option. High capital project.
- JP Commented that there would be concerns about extra truck movements for this work.
- RC Truck movements for imported material will be modelled as part of modification. Rehabilitation standards today are very high.

Question ask why does the material have to be trucked in. Answer is that the material in that area is not fit for use in final capping, as it is contaminated from the historical mining activities.

ENVIRONMENTAL COMPLIANCE UPDATE PA MODIFICATIONS & POST APPROVAL APPLICATIONS -FOGO Shed ergonomics extension



 Modification to Mechanical Biological Treatment (MBT) shed to extend it to North for ergonomics. No change to amount of material proposed to be processed this is simply for a more efficient configuration. Community asked which direction shed is being expanded and the direction was shown.

	EPL \	/AR		S - R			NCE UP of com			-			
Time	Method	Туре	Location	Proximity to	o Site	Desc	cription	Av_Wind (m/s		Av_Wind Direction (deg)	Bar_Pressure (HPa)	Temp10m_Av (°C)	Activity on site consistent with normal operation?
:30:00 am	E-mail +	Odour +	Mulwaree Street, Tarago	6.5 km East So East		of rotten garbage from	being impacted by a smell 8:30am to 10:30am. They 9:35. Wind was reported wind.	4.87		273.9	16.1	9	Yes 🔹
taken to d ident and	r proposed to leal with the or prevent a		tograph of active land g intermediate cover complaint date)		in each	nt level of leachate pond at most the it recent survey	Daily H2S Non Zero Average (PPB)		run tim	nical evaporato nes on ondate o our complaint		ation with ection (Y/N)	Conclusion
plainant to e port odour i ese directly re a more ti	t responded to ncourage them ncidents such to Site to mely potential odour		24/08/2022 08:00	E	D3N-1: D3N-2: D3N-3: D3N-4:	/08/2022 791.5 791.46 791.62 793.9 790.28	Point 9 - 1.32 Point 71 - 0.0 Point 72 - 0.0	7:0	00am to	o 6:00pm	N		An assessment of meteorological data and operational activity has been completed in order to investigate the potential source or cause of odour was undertaken with no significant impacts evident at the time of the complaint. Veolia also notes that the complainant's location is inconsistent with the wind direction according to the Woodlawn weather station.

- RC When we get odour complaints we do an R4 report. This is a report summarising investigations around odour.
- RC We are seeking feedback to streamline reporting so community can see the reports to provide further visibility.
- JH How do we best communicate with EPA and community things like significant meteorology changes? CLC comment was to use visual maps with the wind effect displayed for each event.
- RC For odour reporting Veolia is guided by EPA requirements to have a rather large amount of technical information.
- SJ Suggested that we change headings to tailor to the community audience.
- JP Query around whether "Snap Send Solve" app could be used to improve odour reporting?
- JH This is something we can look into.

ENVIRONMENTAL COMPLIANCE UPDATE REGULATORY ENFORCEMENTS

EPL/PA	Date	Facility	Description	Context	Action
EPL 11436	24/10/2022	Woodlawn Bioreactor	Prevention Notice	Dam liner failure in Coffer Dam 1, and the pumping of leachate from Coffer Dam 1 to ED1.	Veolia has engaged experts to identify the best method of repairing the liner and repair work is on track. QAQC of the work is being developed.
EPL 20476	22/03/2023	Woodlawn MBT	Official Caution	Exceedance of 0.5m freeboard limit on Leachate Aeration Pond.	Veolia is in the process of implementing short-terms and long term measures to increase the liquid storage capacity at the Premises
EPL 11436	28/11/2022	Woodlawn Bioreactor	Official Caution	Failure to maintain the run-time log for the mechanical evaporators	An automated continuous logging system is now in place and works well.
EPL 11436	28/11/2022	Woodlawn Bioreactor	Penalty Notice	Offensive odours being emitted from the Woodlawn Landfill.	Veolia is implementing improvements to landfill gas capture, leachate extraction, treatment, storage and evaporation.
EPL 20476	28/11/2022	Woodlawn MBT	Official Caution	Failure for Stormwater Dam to contain all runoff generated at the premises during a 24-hour duration 1-in-100-year ARI rainfall event	Veolia is in the process of implementing short-terms and long term measures to increase the liquid storage capacity at the Premises (updating the water balance)

As per slide

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	Veolia has 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
EPL 11436	26/9/2023	Woodlawn Bioreactor	Prevention Notice	Gas characterization analysis	Veolia has engaged a third party to undertake a review and propose an area monitoring program

As per slide

ENVIRONMENTAL COMPLIANCE UPDATE Gas characterization



- RC- Veolia responded immediately to the recommendation of the third party expert to perform a gas characterisation study on the source gas in the landfill and to examine if there was any off site migration of this gas.
- RC- Veolia took the decision to expand the sampling program to address genuine community concerns.
- SJ member states that no one smells odour all the time. Discussion around differences in sensitivities.
- RC Interesting that the odour consultant didn't identify any unusual characteristics that would have warranted further investigations. Decision around location needs to take into account where the most complaints are.
- RC Suggestion to use complaints log to identify key sampling locations, does community have any other suggestions.
- SJ Suggestion to make connections between experts (name them) and universities for credibility rather than refer to them as a third party expert.



Send out Q&A with the draft minutes.

Question raised about vapes - full response to be shared with Q&A. Bungendore Road state road discussion. Suggestion it would be worthwhile contacting GMs of Councils and offering letters of support for Councils applications for the state road application service.

Community Action

• Veolia to look into "Snap Send Solve" app.

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