

Mindarie Regional Council
Odour Management Key Stakeholder
Working Group

30 October 2024 Meeting –**Minutes**

Released 20.11.2024



Date: 30 October 2024, 8 am

Location: Mindarie Regional Council

Attendance:

Chief Executive Officer (CEO)

Acting Executive Operations Manager (A/EOM)

Environmental Supervisor (ES)

Operations Supervisor (OS)

Apologies:

Odour Data Assistant (ODA)

Odour Consultant (OC)

Communications Specialist (CS)

ELO: D-24-0010211

1. MRC – OMKS –Previous Meeting – completed actions

- Odour Management Plan
 - Update on deliverable timeline – Mid-July 2024.
 - Draft document has arrived, MRC to review
 - Waiting on results of the mister trial
- Landfill Gas Emission Investigation
 - Canister testing
 - Source quotes for landfill gas odour testing – matching landfill gas (from landfill) to landfill gas (from power station). – requesting quotes
 - Discuss the quotes and requirements of the site
 - ES investigating the last time the landfill gas wells were installed in the landfill and the gas capture of the gas wells previously installed. – completed, discussion with EDL re: drilling/well installation
 - New Action: MRC/ EDL in final design phase
 - Install of three horizontal lines are planned for Mid Oct 2024
 - Three horizontal lines installed (9th October – completed)
 - Monthly meeting with EDL Wednesday 30th Oct to discuss the next phased install of three horizontal wells n preparation for 2025 Winter

- Community Engagement
 - Access to MRC/ DWER Licence link
 - https://www.der.wa.gov.au/component/k2/itemlist/filter?fitem_all=Mindarie&moduleId=94&Itemid=175
 - DWER website link with the MRC website
 - Action: CS to place on MRC website - completed
- DWER – Engagement
 - Community Website update
 - DWER community odour complaints registered
 - Question: can the MRC website address be placed on the DWER community website
 - Action: CS to contact DWER with request to link to new MRC information and complaints form
Viewed the website 29th October the last update was on the 24 July 2024

2. MRC – OMKS – Working Group

Open discussion:

1. Community Engagement –

Potential for additional information to be added to the website

- Discussions/ suggestions:
 - Update to website:
 - installation of horizontal wells in landfill

2. Budget Discussion:

- 2024/25 Budget
 - Investigation of Leachate Treatment Plant options
 - Update: Tender is being drafted for the trial pilot study for treating leachate
- Capping on the Western side of the landfill
 - Update: Awaiting liner deliveries.

3. DWER – Engagement

- **DWER community odour complaints registered**
 - DWER provides weekly updates of total community odours complaints relating to Tamala Park
 - DWER undertook odour field survey on site on 25th Oct 2025
 - Action: MRC contacting the DWER for a copy of the results
 - Notified DWER of trenching within the landfill to install sacrificial horizontal wells on 10.10.2024

4. Mistert Trial

The Mistert (4) operationally ready for odour assessment

- Update – four mistert have replaced the existing ones on site. The two-week trial is underway

- OC and ES meeting to discuss results

5. Drone – Thermal Imagery

During the recent odour survey on site, discussions were had around thermal imagery. OC and ES discussed the heat being generated by the landfill and the potential of odours being drawn up with the heat.

- Discussion – Obtain three quote as per the purchasing policy, with two options:
 - Option 1 – the initial investigation, see if results have useable information to enable additional strategic management of extracting landfill gas/ odour.
 - Option 2 – MRC to proceed with additional surveys
 - Action – ES to obtain three quotes - underway

6. Comment problem smells – recorded

	August	September
Garbage / Rubbish	65	44
Sour / Acid / Milk	1	2
Chemical / Gassy	19	13
Paint thinners	0	0
Medical	0	0
Burnt / Smoking	4	5
Sewerage/septic	28	13
Rotten Eggs	22	2
Smells	56	26
Putrid/rancid	35	24
No description in the complaint	7	2
Other / listed in comments	5	0
Toxic	4	6
Landfill	3	0
Dead		0
Nauseating	5	5
Totals	254	142

7. Alternative Odour Treatment Investigation

Discussion: A product called Odor-shell, is another odour management tool to investigate. It claims to kill odours and is environmentally friendly.

“Odor-Shell® Complaint Eliminator was developed specifically to address industry’s most challenging waste odors. Whether generated from landfill, food, animal, agricultural, or sewage wastes, Odor-Shell® ’s environmentally friendly formulation kills offensive odors on contact before they become problems”

“Landfill Operations – Odor-Shell® enables landfill managers to complete critical, but potentially offensive, tasks by containing odor releases at their source. Odor-Shell® is used to kill odors from working faces, well drillings, landfill excavations, special waste trenches, and sewage sludge.”

(https://www.lscenv.com/product_pdfs/1537380291_Odor-Shell%20Brochure%202.9.17%20-%20email.pdf)

- Action: To investigate the Odor-Shell in the landfill context
- : Download the SDS and assist
 - : Contact suppliers of the product, organise a site visit and investigate their capabilities.

3. Operations Optimisation Programs to reduce odours

Operational activity to reduce odours on-site during August 2024

Item	Activities on-site to reduce odour issues	Comments
Landfill	Zeolite	Spread on landfill as required
	Covering the waste	150mm limestone
	Landfilling bench	5m reduced to 3.5m
	New Vibrating Roller	As required
Power Station	Generated Kwh	TBP
	Efficiencies – Tonnes CO _{2-e} Abated	TBP
Landfill gas	Landfill Gas Monitoring	Within Licence Condition parameters
	Efficiencies	September 2024 Wellfield adjustment Program – completed, August due to be completed by end of the month
Leachate	Leachate pond	BioWish added once a week. Ecosorb as required during the trial

4. Special Investigations/ Events

Looking into alternative odour mitigating products – Odor-Shell

5. Community Odour Complaints Register for September 2024

September 2024

During September 2024, one hundred and fifty-seven (157) community odour complaints were registered. Of which 124 were identified as being impacted. 28 days for September, odour complaints were registered. 18 of these complaints were new to our system. Key locations Kinross, Clarkson, Catalina and Mindarie.

6. External Correspondence

DWER visit, notifications

See comments above

7. Key Meetings/ Events Ahead

Odour mister trial outcomes

Discussion with the contractor regarding sacrificial horizontal landfill gas extraction wells.

8. Next Meeting

Nov 2024

Event Odour Outcomes September 2024



Complaint Location September 2024

