

Date:	23.07.2025
Location:	Tamala Park



OMKSWG Minutes

Odour Management Key Stakeholder
Working Group (MRC)

Date of meeting:	Wednesday 23 July 2025
Location:	Mindarie Regional Council (MRC) Administration
	Tamala Park
Attendance:	Executive Manager Operations (EMO)
	Environmental Supervisor (ES)
	Operations Coordinator (OC)
	Environment Officer (EO)
	Communications Specialist (CS)
Apologies:	Chief Executive Officer (CEO)
	Data Assistance Officer (DA)
Minutes released:	2 September 2025
Reference:	GF-25-0000046

1. Previous meeting minutes

Review and approve/make necessary amendments to the minutes taken at the previous OMKSWG meeting:

Detail	Status
Previous meeting's minutes to be approved by all in attendance	Approved by all in attendance

2. Operational updates

MRC operational updates relating to odour management

2.1. Landfill operations

Detail	Status
Any changes to day-to-day landfill operations which are relevant to odour management (active working area, cells, levels, compacting, cover, etc.)	Ongoing/ Completed
Landfilling now at RL51 having completed works to bring an area of the landfill close to the western cap up to final profile. Daily cover of limestone at end of each day's operations. Additional cover being applied to areas which have reached their final height to aid rainwater runoff and aid landfill gas collection.	Ongoing
EcoSorb and zeolite continues to be used as appropriate and required. Additional applications of EcoSorb and zeolite being used in areas where odours are present.	Ongoing
Works to prepare the landfill for winter weather conditions are now complete. Focus is now on the maintenance of these works	Complete
Mister unit now being used to mitigate odours in areas identified during a recent inspection of the site by the Independent Odour Consultant. EcoSorb being used in the feed for the mister as appropriate.	Complete
New landfill compactor is now in daily operation. This has allowed for more optimised rates of compaction which should have a positive benefit in restricting odours to the landfill mass.	Complete

The previous compactor has been returned to workshop and will serve as backup in the event that it is required. This should ensure no disruption to compaction rates, even if the primary compactor is not operational.	
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2.2. Landfill infrastructure

Detail	Status
Any changes/updates in the installation or review of infrastructure on the landfill (new wells, pipelines, leachate evaporation, etc.)	Ongoing/ Completed
Spray-on intermediate landfill cover has been applied on the 'batters'/sidewalls to prevent oxygen ingress and landfill gas egress. This will also help keep rainfall out of the landfill.	Complete
Work on infiltration basin has now completed. This will collect rainwater runoff from the surface of the newly capped western side of landfill – part of site-wide works to prevent leachate generation across the landfill during winter.	Complete
Work to apply 20,000sqm of HDPE rainfall barriers to the eastern portion of the landfill is now complete. This will prevent rainwater from entering the landfill mass (and becoming leachate), and also aid the collection of landfill gas from within the landfill for disposal in the LFG power station.	Complete
With above works now complete, operations have begun rolling out of 7,000sqm (aprox.) rainfall barriers in the central western portion. To date, approximately 3,6000sqm have been covered, in addition to the above. These can be moved – if necessary – as the active landfill area moves.	Ongoing

2.3. Other operations

Detail	Status
Any other operational updates not covered above which is relevant to odour management	Ongoing/ Completed
Work continues in preparation for planting of native plant species which will remain in place post-closure. Mulching is	Ongoing

now complete. Planting to begin imminently to take advantage of cooler, wetter weather.

3. Odour management/environmental updates

Updates on the management and mitigation of odours at Tamala Park

3.1. Landfill gas/LFG power station

Detail	Status
Any updates/changes to the management of landfill gas and/or the LFG power station	Ongoing/ Completed
Awaiting further information from the LFG power station operator following a meeting to discuss optimisation of the landfill gas collection system which took place in May. Discussion covered odour and landfill gas extraction. Operator committed to providing additional assistance to MRC in this area.	Ongoing
July meeting with LFG power station operator	Complete
Connecting of additional 3x 400mm supplementary landfill gas collection 'risers' (which were installed recently) to the LFG collection network has been paused as the area is currently being used for surface water management.	Ongoing
Five gas collection wells which were disconnected from the wider system to allow landfilling to occur in that area are now reconnected to aid with collection of landfill gas.	Complete
Installation of landfill gas collection points under the temporary rainfall barriers is now complete. Landfill gas power station operator reports an increase in gas collection as a result.	Complete
MRC has requested the LFG power station operator provide more granular data on LFG well extraction points, allowing assessment of the recent works on the landfill to prevent rainfall ingress and lessen odour emissions.	Ongoing

3.2. Leachate management

Detail	Status
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Any updates/changes to the management of leachate	Ongoing/ Completed
<p>Response from DWER to EPN item number 1 has authorised a 'staged approach' to recommencing leachate evaporation at Tamala Park, subject to conditions.</p> <p>This is essential to managing leachate and minimising the impact of leachate on landfill gas collection.</p> <p>Evaporation on hold until spring due to winter weather conditions.</p>	Ongoing
Weekly monitoring of landfill batters to identify and prevent leachate 'seepage' (DWER EPN item 2) as part of day-to-day landfill operations	Ongoing
Measures and works complete to prevent rainfall from becoming leachate over winter (see section 2.2)	Ongoing
Pumps have been deployed on the surface of the temporary rainfall barriers to move rainwater (which the barriers are collecting) off the landfill. This prevents rainfall from seeping into the landfill surface and becoming leachate.	Ongoing

3.3. Trials for odour management

Detail	Status
Notes on ongoing trials of new tech, methods, products etc.	Ongoing/ Completed
<p>Pilot leachate treatment plant trials are complete. Two separate trials with two companies. Reports have been received from both companies, along with additional information as requested by MRC.</p> <p>Trial conducted in line with EPN item numbers 7 (complete) and 8 (complete).</p> <p>Data to be used to inform future leachate management.</p>	Complete
MRC examining use of green waste (currently received over the weighbridge and shredded) on portions of the landfill as a barrier to suppress odour. Effectiveness (or otherwise) will be assessed by the Independent Odour Consultant	Ongoing

3.4. Reports, investigations and surveys

Detail	Status
Updates on internal or external reports, surveys and investigations	Ongoing/ Completed
Investigating potential systems for monitoring of landfill gas emissions in real time. This is in the early stages and any trials are unlikely to be conducted until spring at the earliest.	Ongoing
Survey carried out by Independent Odour Consultant at the beginning of the month. Covered the entire landfill and select locations off-site and in the community. Report received from consultant being reviewed internally. A further survey will be carried out in mid-August following the installation of the rainfall barriers and spray on intermediate cover.	Ongoing

3.5. Regulatory

Detail	Status
Updates on anything relating to regulators or external agencies which govern activities on site (such as DWER)	Ongoing/ Completed
Environmental Protection Notice (EPN) from regulator (DWER) received by MRC on 28 November 2024. This followed period of consultation between MRC and DWER. 11 items in total. All relevant items (1, 2, 3, 4, 5, 7, 8 and 10) are now complete. Further discussions following MRC reports to DWER are ongoing.	Ongoing
MRC receiving monthly report from DWER detailing number of odour complaints received by the regulator. This is a reciprocal arrangement.	Ongoing
Response from DWER to EPN item number 1 has authorised a 'staged approach' to recommencing leachate evaporation at Tamala Park, subject to conditions.	Ongoing

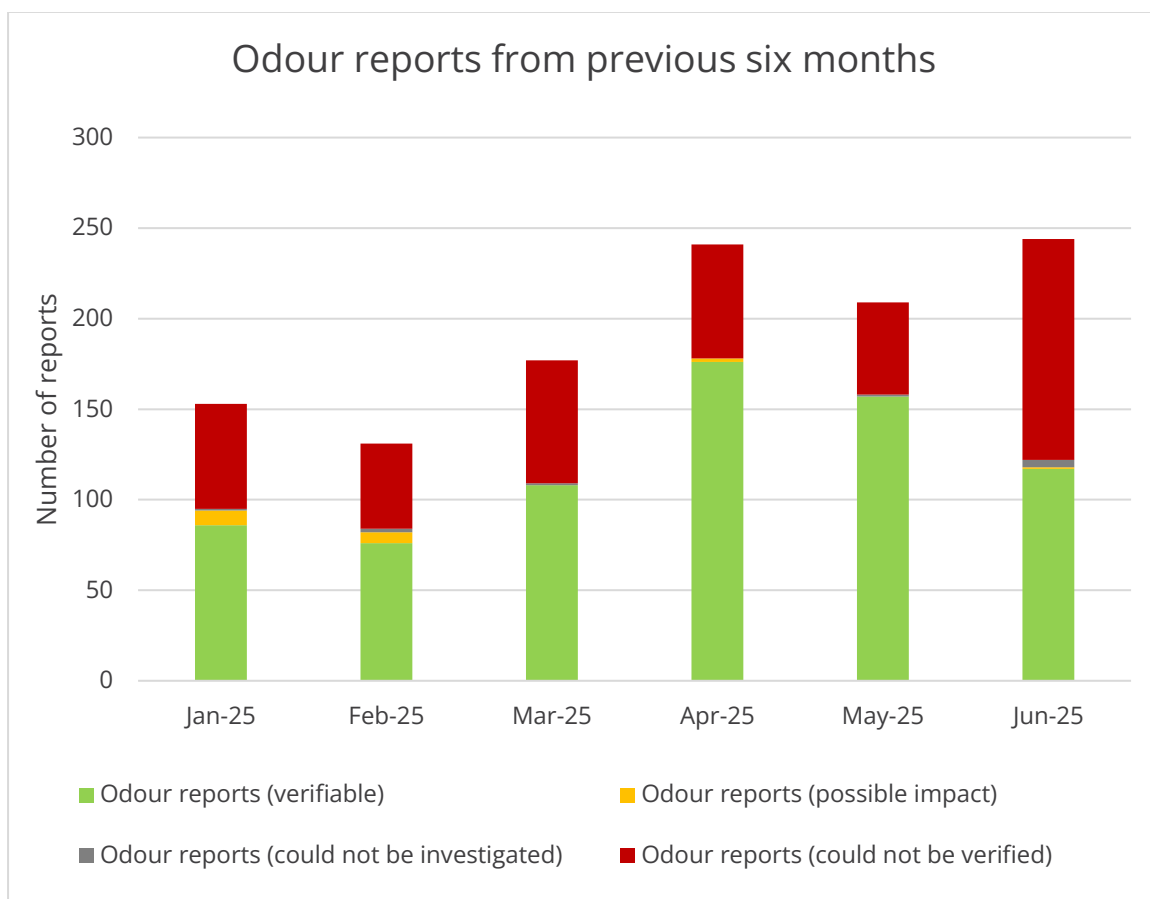
See section 3.2	
DWER site visit (regulatory standard audit) took place on 26 June. DWER representatives were on site for approximately four hours and examined the landfill and landfilling activities extensively. Discussions included current – and future - odour management measures, recent works on the landfill to prepare for winter, leachate management, landfill gas management and other relevant items.	Complete

4. Odour reports

4.1. Reports from the previous calendar month

The following is an overview of the information recorded by MRC in relation to odour reports received from the community for **June 2025**.

Reports	Number
Total number of reports received	244
<i>Of which</i> impact from Tamala Park could be verified by climatic data	117
<i>Of which</i> impact from Tamala Park was possible (but not verifiable) based on climatic data	1
<i>Of which</i> impact from Tamala Park could not be investigated due to lack of data provided in report	4
<i>Of which</i> impact could not be verified by climatic data	122
Number of reports from a residential address which had not previously reported to MRC	26

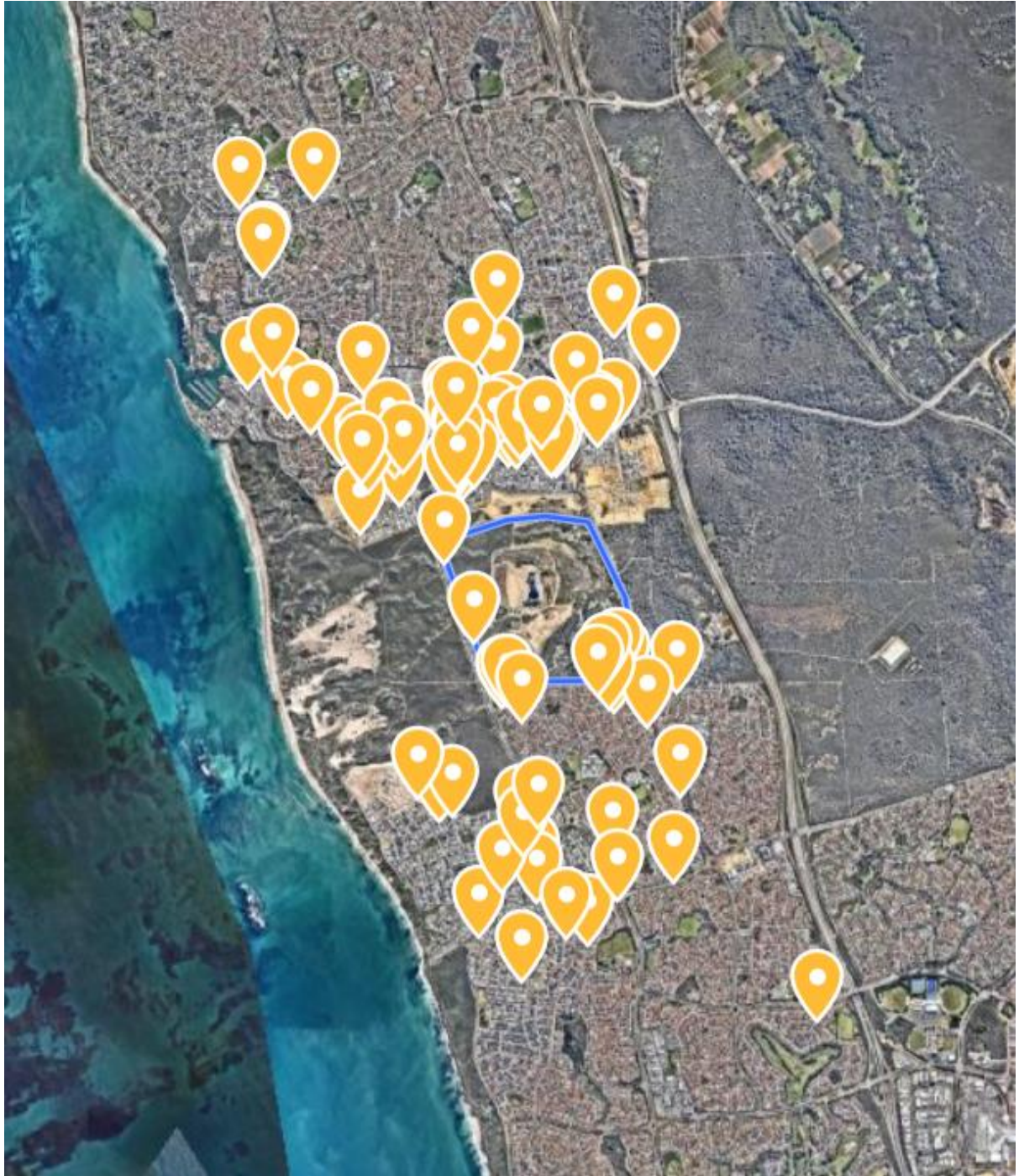


4.2. Location of odour report by suburb/area

Suburbs	Number
Clarkson	80
Mindarie	92
Kinross	46
Burns Beach	19
Banksia Grove	0
Currambine	2
Illuka	5
Data not provided	0
Total number of complaints	244

Map of complaint locations overleaf.

Figure 1 June Community Odour Complaint Locations



4.3. Description of Odour experienced

When making an odour report through the MRC website, reporters are given the opportunity to describe the smell they experienced. An update of this information, received in the previous month, is outlined below:

Description of Smell	Number
Garbage / Rubbish (Natural gas, Rotten vegetables, garlic, sulphur)	140
Acidic/ Rancid (Sour, vinegar, off-milk)	10
Gas/ Chemical (Rotten Eggs, ammonia, fishy)	67
Burnt/ Smoky (Burnt rubber, exhaust fumes, grilled meat)	1
Sewerage (Faecal, manure, sewery)	9
Putrid (Dead animals, rotting meat)	7
Not described in complaint	2
Other/listed in comments	1
Hydrocarbon/ solvent (Rubbery, plastics, solvents)	1
Sweet (Fruity)	6
Total number of complaints	244

5. Correspondence

Detail	Status
A letter was received by MRC from a resident enquiring about potential applications of ozone on the landfill for odour control (see section 7)	Complete
MRC was also copied into a letter to the regulator (DWER), which was noted and placed on file.	

6. MRC communications and community engagement

Detail	Status
Communications updates including changes to website, media coverage, guides or procedures for staff, etc.	Ongoing/ Completed
No notable updates relating to odour	Complete

7. Other relevant updates/general discussion

Detail	Status
Anything else which does not fall neatly into one of the above categories	Ongoing/ Completed
<p>MRC received a suggestion from a resident that ozone could be used to help control odours from the landfill.</p> <p>This was discussed by the group who concluded that ozone would be unsuitable for use at the landfill. Given the potential (serious) hazards associated with its use, ozone is primarily utilised for odour management in enclosed spaces where its concentrations in the air can be carefully controlled. This would not be possible at Tamala Park (or perhaps any similar landfill) as applications would be quickly dispersed and – potentially – cause breathing difficulties for staff or residents who happened to be downwind at the time (ozone is a potent respiratory hazard).</p>	Completed

8. Next meeting

The next OMKSWG meeting will be held in August 2025 at Mindarie Regional Council (MRC).