

<b>Date:</b>	28/08/2025
<b>Location:</b>	Tamala Park



# OMKSWG Minutes

Odour Management Key Stakeholder  
Working Group (MRC)

<b>Date of meeting:</b>	Thursday 28 August 2025
<b>Location:</b>	Mindarie Regional Council (MRC) Administration
	Tamala Park
<b>Attendance:</b>	Chief Executive Officer (CEO)
	Environmental Supervisor (ES)
	Operations Coordinator (OC)
	Communications Specialist (CS)
<b>Apologies:</b>	Environmental Assistant (EA)
	Data Assistance Officer (DA)
	Executive Manager Operations (EMO)
<b>Minutes released:</b>	17 September 2025
<b>Reference:</b>	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 continues at RL51, but further east than this time last month.  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
Early assessment of the impact of winter landfill measure are promising. In particular, the temporary rainfall barrier has performed well in exceptionally rainy conditions over the past few weeks.	Complete
Mister unit now being used to mitigate odours in areas identified for mitigation by the Independent Odour Consultant. EcoSorb being used in the feed for the mister as appropriate.	Ongoing

## 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
Inspections of the 'spray-on intermediate cover' on the landfill batters shows that it appears to be holding up well to the wear and tear of daily operations. An assessment by the Independent Odour Consultant has suggested wider use of this measure could deliver positive odour mitigation elsewhere on the landfill.	Complete
Areas suitable for additional applications of 'spray-on intermediate cover' are being identified.	Ongoing
Recently completed infiltration basin appears to be performing well in collecting rainfall which has fallen on the capped western portion of the landfill. The recent heavy rainfall over winter has been a good early test for this measure. This will continue to be monitored.	Ongoing
Inspections and maintenance when required for the 20,000sqm of HDPE rainfall barriers to the eastern portion of the landfill. These are performing well. Calculations by Operations team suggest that 8,598 tonnes of rainfall (July 215.9mm and August 214mm = 429.9mm) have been diverted away from the landfill surface – essentially preventing 8,598,000 litres from becoming leachate. Given that leachate continues to impact the landfill gas collection network, the group agreed this measure has been one of the most effective employed on site thus far.	Ongoing

## 2.3. Other operations

Detail	Status
Any other operational updates not covered above which is relevant to odour management	Ongoing/ Completed
Planting of native species on the capped western portion of the landfill is now complete.	Complete

### 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
Landfill gas power station operator is working with independent consultancy on opportunities identified for improving the landfill gas collection network in line with EPN item number 5.	Ongoing
August 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
Additional installations of landfill gas collection points under the temporary rainfall barrier continue. It is believed that the temporary rainfall barrier is restricting (smothering) landfill gas egress from the landfill surface, and concentrating landfill gas odours at the edges of the barrier. The additional landfill gas collection points are designed to collect this gas from these areas.	Ongoing
LFG power station operator is now providing more granular data on LFG well extraction points, allowing MRC to assess the effectiveness recent works on the landfill to prevent rainfall ingress and lessen odour emissions.	Ongoing
MRC operations experimenting with an alternative installation method for horizontal 'sacrificial' landfill gas extraction pipelines. This involves laying a pipe as daily landfilling is taking place (among the day's waste). This avoids invasive and – potentially – odorous trenching which had been required previously. It could take 2-3 months before the effectiveness of this method becomes clear.	Ongoing

### 3.2. Leachate management

Detail	Status
Any updates/changes to the management of leachate	Ongoing/ Completed
Response from DWER to EPN item number 1 has authorised a 'staged approach' to recommencing leachate evaporation at Tamala Park, subject to conditions.  This is essential to managing leachate and minimising the impact of leachate on landfill gas collection.  Evaporation on hold until spring due to winter weather conditions though planning is already underway.	Ongoing
Weekly monitoring of landfill batters to identify and prevent leachate 'seepage' (DWER EPN item 2) as part of day-to-day landfill operations. Excessive rainfall over the winter period has made this work challenging.	Ongoing
Measures and works complete to prevent rainfall from becoming leachate over winter are now complete and performing well (see section 2.2)	Complete
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
Reinjection of leachate into suitable areas of the landfill continues as part of the leachate management plan endorsed by the regulator (DWER)	Ongoing

### 3.3. Trials for odour management

Detail	Status
Notes on ongoing trials of new tech, methods, products etc.	Ongoing/ Completed
Experimental use of green waste (currently received over the weighbridge and shredded) on portions of the landfill as a barrier to suppress odour has ended and proved unsuccessful.	Complete

### 3.4. Reports, investigations and surveys

Detail	Status
Updates on internal or external reports, surveys and investigations	Ongoing/ Completed
Work towards real time monitoring of landfill gas has now passed the procurement phase and the investigations are expected to be complete by the end of September	Ongoing
<p>Survey carried out by Independent Odour Consultant in early July has been followed by a second survey in late July.</p> <p>Both reports have been examined in detail by MRC.</p> <p>In brief, the conclusions of the consultant suggest that both the temporary rainfall barriers (TeRBs) and the spray-on intermediate cover on the landfill batters have been effective. In particular, the TeRBs have been highly effective in diverting rainfall away and preventing landfill egress from those areas.</p> <p>The consultant identified some areas which require further odour management measures and works are either underway or complete to remedy these.</p>	Ongoing
MRC has received a report prepared by a consultant on behalf of the landfill gas power station operator (EDL) which may identify further measures to control landfill gas egress from the open landfill area. This report is currently being examined by MRC operations.	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
<p>Environmental Protection Notice (EPN) from regulator (DWER) received by MRC on 28 November 2024. This followed period of consultation between MRC and DWER.</p> <p>11 items in total. All relevant items (1, 2, 3, 4, 5, 7, 8 and 10) are now complete.</p>	Ongoing

Further discussions following MRC reports to DWER are 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.  See section 3.2	Ongoing
DWER attended Tamala Park on 7 August for testing/training of new drone-based monitoring equipment. MRC provided an opportunity to DWER to assess the effectiveness of this technology and it is expected that it may be used to aid odour management on site as part of MRC's collaboration with the regulator.	Complete
CEO met with regulator (DWER) on 22 August to discuss progress against the EPN and general odour management matters.	Completed

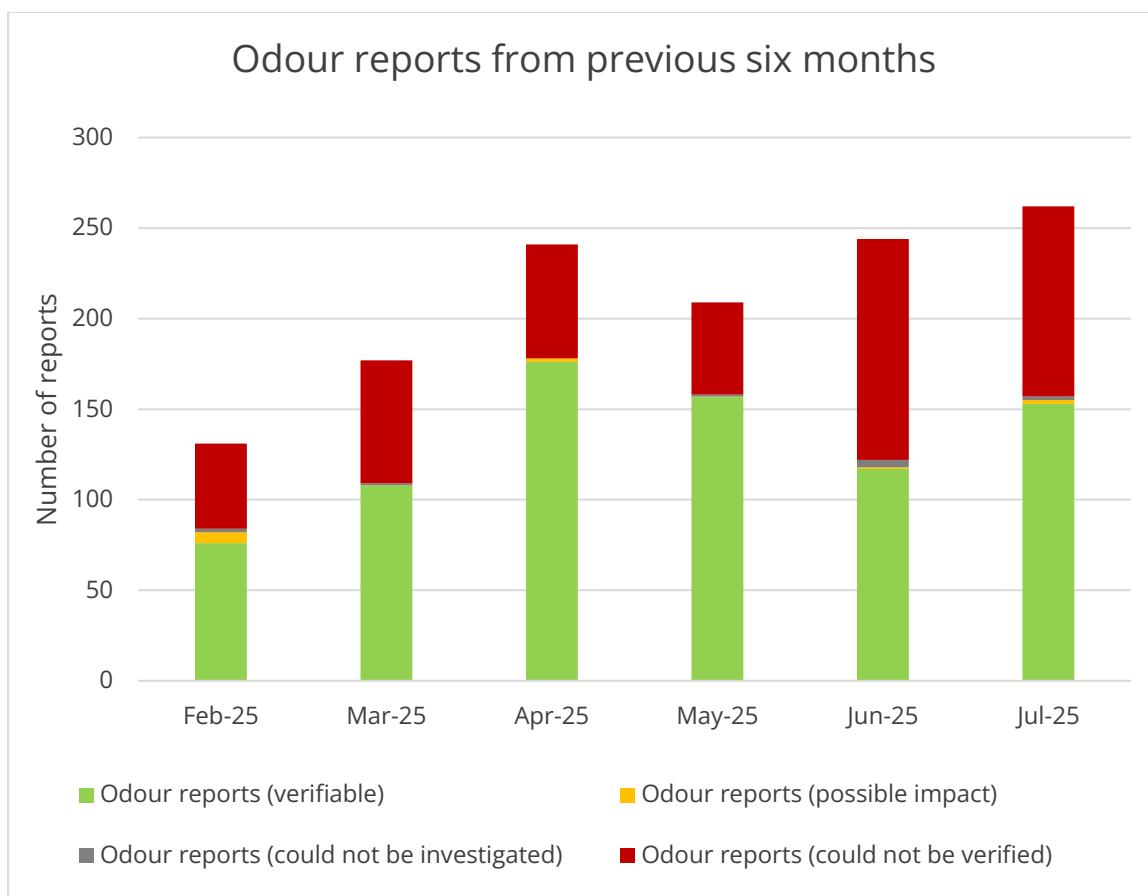


## 4. Odour reports

### 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 **July 2025**.

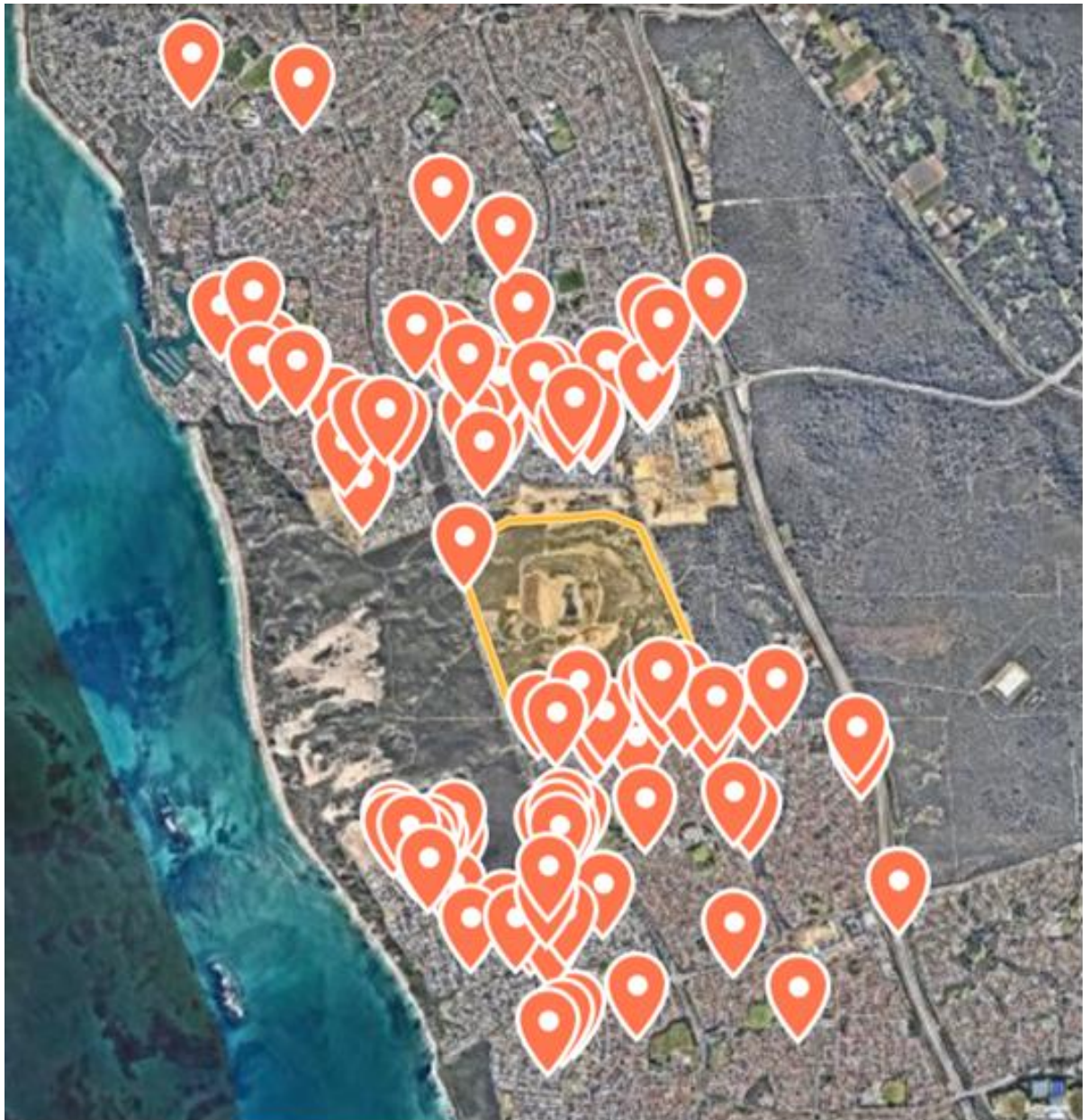
Reports	Number
Total number of reports received	
<i>Of which</i> impact from Tamala Park could be verified by climatic data	<b>153</b>
<i>Of which</i> impact from Tamala Park was possible (but not verifiable) based on climatic data	<b>2</b>
<i>Of which</i> impact from Tamala Park could not be investigated due to lack of data provided in report	<b>3</b>
<i>Of which</i> impact could not be verified by climatic data	<b>105</b>
Number of reports from a residential address which had not previously reported to MRC	<b>43</b>



## 4.2. Location of odour report by suburb/area

Suburbs	Number
Clarkson	91
Mindarie	78
Kinross	48
Burns Beach	35
Currambine	5
Illuka	6
Data not provided	0
<b>Total number of complaints</b>	<b>263</b>

Map of complaint locations overleaf.



### 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)	159
Acidic/ Rancid (Sour, vinegar, off-milk)	10
Gas/ Chemical (Rotten Eggs, ammonia, fishy)	70
Burnt/ Smoky (Burnt rubber, exhaust fumes, grilled meat)	1
Sewerage (Faecal, manure, sewery)	5
Putrid (Dead animals, rotting meat)	14
Not described in complaint	0
Other/listed in comments	0
Hydrocarbon/ solvent (Rubbery, plastics, solvents)	0
Sweet (Fruity)	4
<b>Total number of complaints</b>	<b>263</b>

## 5. Correspondence

Detail	Status
No correspondence relating to odour received for the month of August, prior to the OMKSWG meeting.	Complete

## 6. MRC communications and community engagement

Communications updates including changes to website, media coverage, guides or procedures for staff, etc.	Ongoing/ Completed
An update to the information on the odour management page of the MRC website is close to being finalised. This will provide the latest information on odours and odour mitigation strategies for the community. Update is expected to be published to the website early next month.	Ongoing.
A recent test of major search engines found that the odour management page of the MRC website was performing well for relevant search terms (SEO optimisation), suggesting that it is easy to find for people in the community who wish to submit an odour report.	Complete

## 7. Other relevant updates/general discussion

Detail	Status
Anything else which does not fall neatly into one of the above categories	Ongoing/ Completed
CEO updated the group on a briefing he provided to Council on 21 August which combined drone footage of the landfill under 'winter odour/water management' conditions and updates on progress against the EPN	Completed

## 8. Next meeting

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