



INFORMATION BULLETIN

Issue No. 77



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**CHAIR OF WASTE AUTHORITY VISIT TO MRC FACILITIES
TAMALA PARK AND NEERABUP**



Our Ref: WA-01966
Our File Ref: DWERT4124

Locked Bag 10
Joondalup DC, WA 6919
Tel: 08 6364 6965
info@wasteauthority.wa.gov.au
www.wasteauthority.wa.gov.au

Mr Scott Cairns
Chief Executive Officer
Mindarie Regional Council
1700 Marmion Avenue
TAMALA PARK WA 6030

Email: SCairns@mrc.wa.gov.au

Dear Scott

WASTE AUTHORITY VISIT TO TAMALA PARK AND THE NEERABUP ORGANICS RECYCLING FACILITY

On behalf of the members of the Waste Authority, please accept my sincere appreciation for hosting members and staff on 19 June 2023 on a tour of your Tamala Park facility and the Neerabup organics recycling facility, and for your generous hospitality.

My Waste Authority colleagues thoroughly enjoyed the tour of your Tamala Park facility and were impressed by what you have achieved at your well organised facility. It was great to see up close, the Tamala Park Landfill and your comprehensive refuse disposal service for your local community to drop off various recyclables, as well as unwanted household hazardous waste items. Thank you for being so generous with your time and engaging with us on all of our questions.

We also enjoyed the tour of the Neerabup organics recycling facility and the potential for this facility to become a FOGO processing facility.

As a result of the tour and discussion, the Waste Authority has a better understanding of your operations and the important role it plays in contributing to waste strategy targets by recovering more value and resources from waste.

Please pass on my best regards to all involved, including your Operations Manager, Mr Morné Hattingh, and Deborah Toward and Lynn Douglas who kindly assisted in arranging the tours and refreshments on our arrival.

Yours sincerely

Elizabeth Carr AM
CHAIR, WASTE AUTHORITY

30 June 2023

SUCCESSFUL GRANT APPLICATION



SUCCESSFUL E-waste Infrastructure Grant Application

On 4 July 2023 the Department of Water and Environmental Regulation notified the MRC that its grant application to fund the construction of a concrete base and storage shed at Tamala Park under the WA State Government's Infrastructure Grants Program has been successful.

This funding will support the Tamala Park Waste Management Facility's efforts in managing the expected increase in e-waste that will be received from the public once the WA State Government's e-waste disposal to landfill ban comes in to effect from next year.

The total amount of the grant is \$38,000, excl GST.

MINUTES ODOUR MANAGEMENT KEY STAKEHOLDER WORKING GROUP



MRC

Odour Management Key Stakeholder Working Group

21 June, 2023

11am

Minutes

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1. ATTENDANCE / APOLOGIES

Attendance –

Operation Manager (OM)
 Environmental Supervisor (ES)
 Administration Officer (AO)
 Waste Management Supervisor (WMS)
 Chief Executive Officer (CEO)

Apologies

Commercial Relations Officer (CRO)

Note: Orange text is actions outstanding, discussions/ items raised from this meeting.

2. MRC – OMKS – Working Group

Open discussion on its role and assign roles:

Discussion on roles: receiving and processing notifications/complaints

- Administration/ Environmental Department Issues
 - Nil comments
 - ES raised that text odour complaints are still coming. Will encourage to following the correct procedure.
 - Action – Check old Waste Management Supervisors phone for any odour texts
- Information to provide to /or available on website, new website due soon
 - Action: Send information through to PA Executive Support - ES
- Package 1 and 2 – Community Odour Complaint Registration Package
 - Package 1 introduction – both new complainants didn't want to provide email for the package to be sent – just want to ring up and let you know.
 - Action – ES and AO - Encourage the complainant to leave details as it registers the odour event and they can be informed of what the MRC is doing in this space.
 - Package 2 introduction - Complainant didn't want to fill out a “three-page report” every time, considered it to be an impost of their time.

All complaints added to a OMSK-WG Minutes email list for the reporting month.

- Two new complainants did not leave their emails for this month's meetings to be sent to them.
 - Action: to encourage the complainant to leave their details so the odour notification can be registered with all contact information. – see action above
- Identified Key Stakeholders to attend meeting or receive minutes - confirmed that DWER and Member Council Information Bulletin now added to the list to receive the meeting minutes.
 - Action: send released minutes to Governance for adding to Bulletin appendix.

Existing Key Stakeholders	Add New Key Stakeholders Suggestions
MPL Burns Beach	DWER
Tamala Park Regional Council	Member Councils' Information Bulletin – Provide key outcomes

3. Community complaints investigation/ interpretation May and 20th June 2023

- Complaints received summary
 - Registered Odour complaints
 - 4 Complainants with 40 odour events (1,2,2,35 events), first Kinross complainant for the winter season – for May 2023.
 - 1 x NA
 - 2 x impacted identified
 - 24 x possible odour impact
 - 13 x wind blowing in wrong direction
 - 1 x under investigation
 - 3 Complainants with 6 odour event (3,2,1), Mindarie and Catalina - 20th June 2023
 - 1 x impacted identified
 - 2 x possible odour impact
 - 3 x wind blowing in wrong direction

4. Operations Optimisation Programs to reduce odours

Operational activity to reduce odours on site during the period June 2023

Item	Activities on site to reduce odour issues	Comments
Landfill Operations	EcoSorb (odour neutralisation product (enzymes that eat odour gases))	4 x 10,000 Litres of EcoSorb Water delivered to working tip face
	Odorous Loads/ Special Burials	Nil received during reporting period
	Covering the waste	150mm limestone and/ or tarps cover applied daily to delivered waste
	Zeolite spread out on wet areas on landfill	Spread over the working bench
	Investigating barrier mitigation	Third party quoting and presentation
	Southern Barrier Odour Pods	Internal installation – Mid July 2023
	Landfilling bench	5m reduced to 3.5m

Power Station	Generated Kwh	Powering 2587 homes per month
	Efficiencies – Tonnes Co2-e Abated	13,433 tonnes (May)
Landfill gas	Landfill Gas Monitoring	Within Licence Condition parameters
	Landfill Gas Survey emission survey	Based on the fugitive emissions survey, a number of locations reported elevated CH4 concentrations across the capped and active landfill areas, however the mean concentrations across the intermediate and final cover were below the relevant assessment criteria indicating negligible risks to onsite workers.
	Landfill Gas Infrastructure survey	No migrating landfill gas recorded in MRC infrastructure
	Efficiencies	May and June 2023 Wellfield adjustment Program - completed
Leachate	Turned off irrigation sprinkles and building a pond lower in the landfill	Turned off February 2023 – it is planned to reduce the requirement for leachate mats. <ul style="list-style-type: none"> New leachate pond built
Ambient Air Testing	Bi-annual (dust, leachate, asbestos)	No exposure limit reached

6. Special Investigations

Odour Management – Third Party Desk Top Audit and Off-Site Investigation

Desktop Audit

- ✓ Review of odour procedures (receiving odours, odour register, investigation, report of)
- ✓ Review of odour management in relation to landfill operations
- ✓ Review past odour management reports
- ✓ Review of this summer's 22/23 odour complaints
- ✓ Review of the MRC Landfill Gas Risk Assessment – in the context of landfill gas emissions.
- ✓ Ambient Air Monitoring / reports
- ✓ Review future proposed Odour Management works (2023/24 budget) and procedures changes on site.
- ✓ Provide information on detectable odour versus health impacts on gases of concern

Investigate

- ✓ Air modelling of the area over a two-week programme,
- ✓ Risk assessment on any elevated levels of gases against exposure Australian Standard Criteria's
- ✓ Health information on the impact of such gases,
- ✓ Identifying additional odour sources in the area, surrounding topographical profile change over time

D-23-0003647

- ✓ Investigating ground water results from an odour perspective from November/December, 2022, given registered odour complaints were near Public Open Space

Written report

- ✓ Provide a written report on the findings of the Desktop audit and investigation
- ✓ Provide recommendations to improve the current management practice with regard to, but limited to recording, investigation, mitigation and communication

Action: MRC now is providing information for assessment

Landfill – Discussion about tonnes to landfill after hours

- Tonnes to landfill
 - Collect after hour tonnes to landfill data in relation to odour complaints
 - See Table 1
 - WMS has raised the possibility of nightshift to assist in reducing exposed waste overnight
 - WMS raised the point that cover is started at 4pm
 - Action ES – to adjust the table 1 to reflect comment above.
 - Action: ES- if City of Perth and City of Stirling waste delivery at night was removed from spreadsheet, what would that look like
 - Would there be additional noise and light that would impact on residence
 - Currently the tipface has a night light for after hour deliveries
 - Noise sensors, may be added to the e-nose monitors on the boundary. ES said that some of the companies approached to quote can build in noise monitors. Action ES – to investigate
- Alternative odour reduction investigations
 - Odour mitigation after hours (to be discussed depending tonnes to landfill after hours' investigation).
 - Discussion – ES raised the possibility of a IBC spray neutralising unit being used on tipface. Night delivery drivers would need to turn on the unit, which will automatically turn off after a set period of time. OM said a tip/spray versus a tip/limestone cover
 - Action – ES to investigate
 - OM raised the need to assess the odour efficiencies of the tarps

Budget Discussion:

- Whole of site approach –
 - 2022/23 purchasing 1 x IBC Vapour Guard – product to trial
 - 2023/24 – Project Works – started already
 - Investigation Leachate Treatment Plant options
 - Odour Misting/vapour system ring around landfill
 - Site Visit by representative – has visited site
 - Company forwarded a proposal – proposal in for assessment
 - Team meeting – options discussed
- CEO informed that the Draft budget has been reviewed. A Budget workshop is pending for 22 June 2023, with a final review and approval by Council on the 13 July 2023.

Letter received from resident on 19 April 2023

- Detailed dates and times of odour events over a 11-day period (Early morning, daytime and evening)
- In total 16 recorded odour events
 - Outcome - (1 – impact identified 8 – possible impact, 7 – wind blowing in wrong direction).
- All actions raised from the letter were completed
 - One additional action – added two new categories to the spreadsheet – “in known – spray ecosorb” and “reported after the odour event” - we can't fix the issue if we don't know about it – during working hours.

Investigate – Special Burials / odorous loads to landfill via the weighbridge categories

- Action: Investigate times and the number of special /odorous loads that require burial on arrival
 - Investigation Outcome – no deliveries after 4pm (M-F), Sat and Sun delivery – no deliveries after 2.30pm (landfill staff finish)
 - OM said, the 2023/2024 gate fee for odorous loads has increased by 32%
 - Action: OM Raise delivery times with Odorous Load contractor to confirm delivery times as (7.00-4pm M-F), (7-12.00pm S/S) this enable the material to be covered at the end of the shift
 - Action: OM to investigate gate fee of the odorous loads versus general rubbish
 - Action: WMS to review tipface procedure is managing odorous loads to landfill

Off – site odour monitoring

- On and Off site monitoring was undertaken during 25 May to the 8 June 2023
- Mobile monitors recorded PPM (health exposure criteria limits) and not PPB which is the level people can detect smells at
- No detectable PPM readings were recording off site during the monitoring time frame
- Action: Moving to PPB monitoring – e-nose boundary monitoring below

E-nose boundary monitoring

- Approached 4 companies to supply/ hire e-nose monitors
- Delivery within the FY
- Hire for 2 months with option to buy
- Sensors include Interested in the following gases SO₂, H₂S, NH₃, CH₃SH, TVOC, CH₂O, NO₂, Cl₂, Temperature, Humidity, wind, direction
- 4 monitors / Mobile and cloud based applications

DWER Site Visit

- DWER visited site on the 23rd of May
 - Showed them around site, active tipping area, tipping times, odour neutralisers used on site, reviewed procedures and investigations
 - DWER are seeking additional information on tipping time after 5pm, future proposed odour management plans, any changes to landfill over time, all complaints from 1 July 2022 till now
 - Information due to the department by 23 June 2023 – approved an extension of time by two weeks (7th July 2023), including the minutes from this meeting

D-23-0003647

MRC contacted the Department of Health (DoH)

- MRC sort advice from the DoH by contacting the DoH on the 31.5.2023 regarding health exposures to a complainant. The DoH replied on the 1.6.2023 suggesting that the complainant seek medical advice and discuss conditions with a medical practitioner, who in turn would raise any health issues identified with the DoH

Alternative odour investigation

- Due to the high number of odour event investigation showing the breeze blowing in the wrong direction, the MRC reached out to the city of Wanneroo and Joondalup to ask if any residents had raised odour complaints with them regarding the seaweed decaying on the beach
 - CoW – replied with nil odour complaints regarding seaweed decay
 - CoJ – replied with nil odour complaints regarding seaweed decay. However, did raise a suggestion of blowing off shore and sitting, then blown back on-shore (like the petrochemical smog that Perth experiences in Summer).

Southern Boundary odour management

- Repositioned the odour pods to the southern boundary for the winter program.
- On–hold to see the outcome of the Vapour Guard system – installed along the southern wall on landfill, near the workshop (500m long)
 - Action: The Vapour Guard is being sourced next FY, the Southern Boundary Pod Systems will be installed in early July 2023

Meeting with Odour Complainant – 14th June 2023

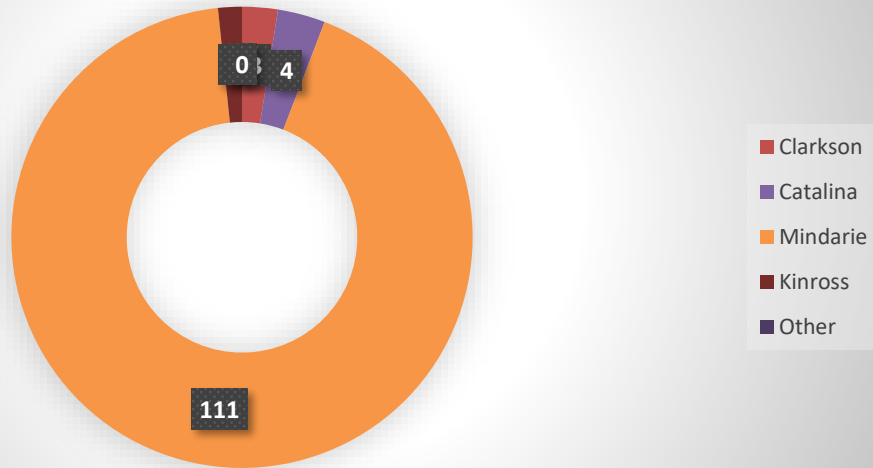
- Complainant shared their odour journey
- MRC shared how odour investigations are undertaken and the outcome of those investigations
- Discussed external agencies contact by both parties
- Discussed health conditions
- Discussed changes to the complainant's home over the period (Oct – June)
- Discussed ambient air testing and filter/carbon and fabric testing by MRC
 - Action: the minutes of this meeting will be attached as Appendix 1.

Minister Reece Whitby and Mark Folkard MLA to visit 28th June 2023

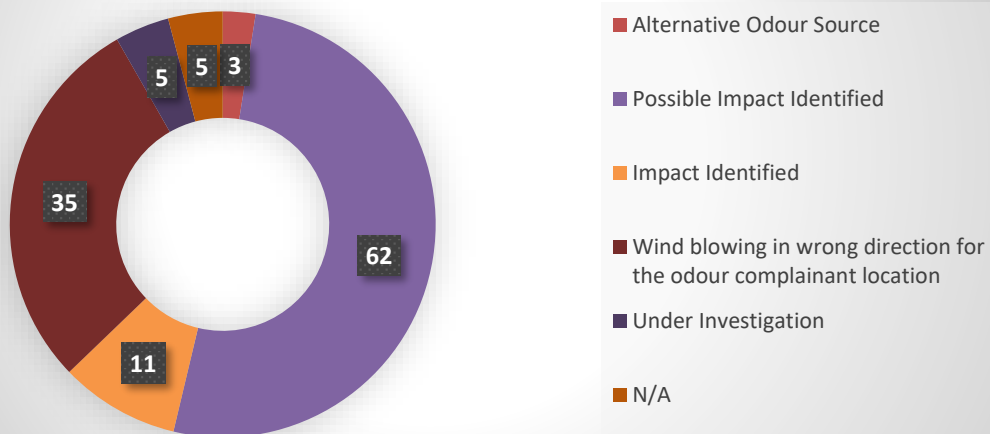
- TBA

7. Management of incoming odour complaints (internal process)

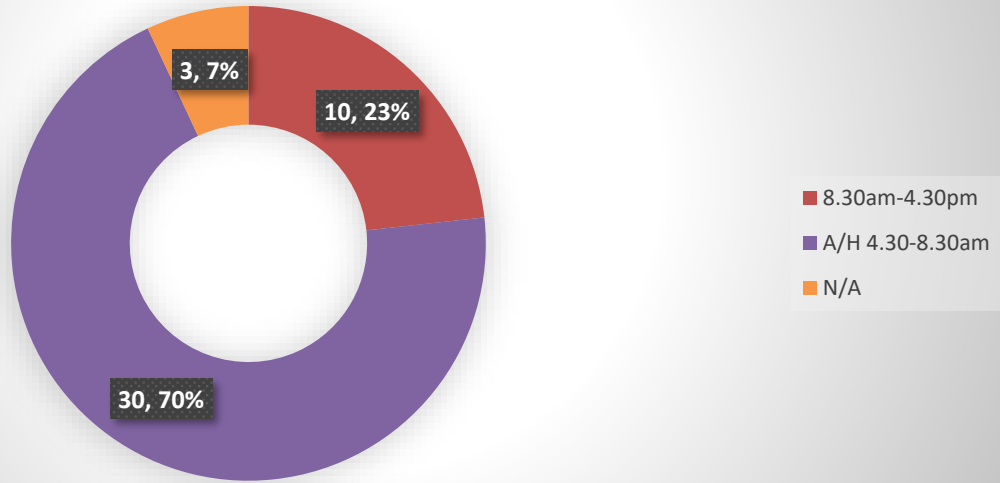
Complaint Location as of 20th June 2023



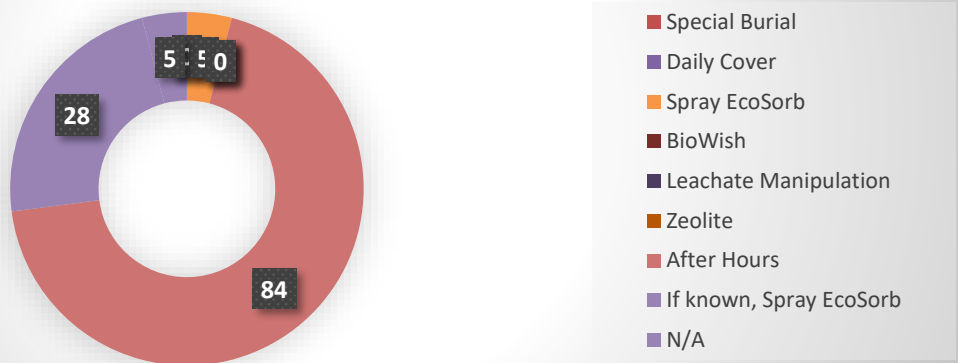
Event Odour Outcomes end of 20 June 2023



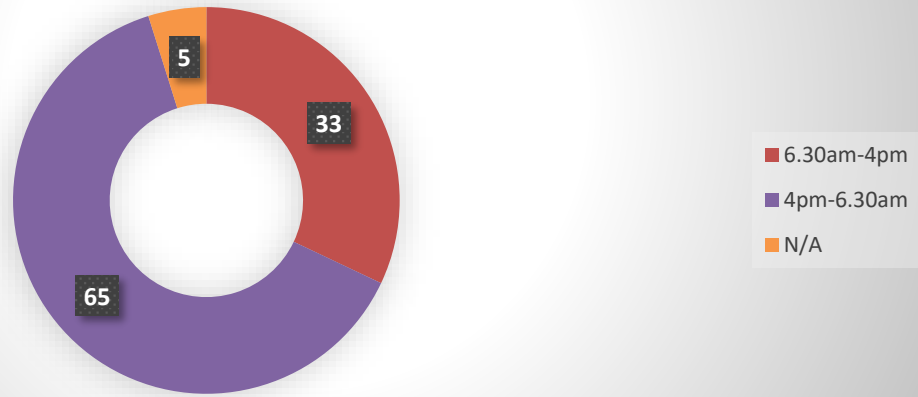
Odour Event Reporting as of the 20 June 2023



Odour Mitigation for the Event as 20 June 2023



Odour Event in Operations Landfilling Hours as of the 20 June 2023



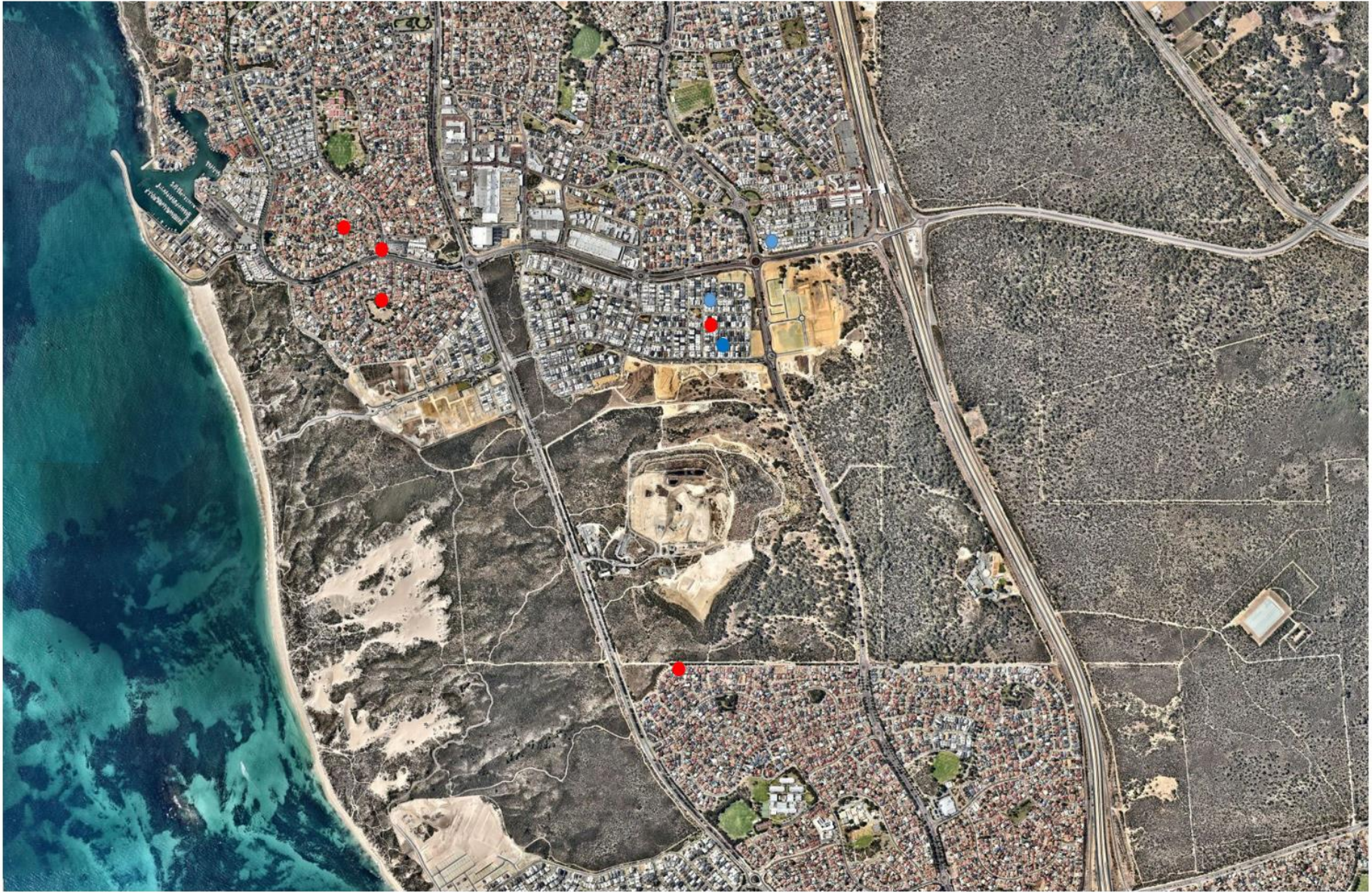
Key Outcomes

- Odour notifications out of hours
- Potential odour impact – out of hours
- Increase in odour outcomes – wind blowing in wrong direction
- Increase in odour notification after the event

Action – Inform complainant of timely reporting so MRC can action odour mitigation

D-23-0003647

Surrounding Site Aerial of Total Odour Complaints Location for 2023 (RED circle showing current odour location for this reporting period, BLUE circle historical location) D-23-0001631



8. Key Meetings / Events Ahead

- Reporting chain-in line with MRC charter
 - Action: AO and ES to review before next meeting.



D_16_6461 -
Customer Service Cha

9. Next Meeting

Schedule for July 2023.

Appendix 1



Odour Complaints Meeting Minutes

14th June 2023

3pm

Tamala Park

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1. ATTENDANCE / APOLOGIES

Attendance

Operations Manager (OM)
 Environmental Supervisor (ES)
 Commercial Relations Officer (CRO)
 Complainant 1 (C1)
 Complainant 2 (C2)

Apologies

None

2. C1 & C2 Complainants Odour Experiences

- a) Summary from C1 – C1 advised that they have been experiencing odour issues since October 2022. The odour that is in the air is smelt at multiple times throughout the day but seems to increase in the early hours of the morning. C1 went on to say, that they have been living in the Mindarie area for 20 years, and it is only now that the odour is being experienced.
- b) The smell is so strong that his wife C2 struggles to breathe, when C2 wakes up she is very nasally and often suffers with the sense of burning to her mouth and dry eyes. C2 has also bled from her nose. C1 and C2 both expressed that they believe that these symptoms are caused by the landfill and gases at TP waste facility.
- c) C1 advised that since October 2022 the smell of landfill has got progressively worse, and suggested that it smelt like rotten eggs, C2 also suggested that the smell is effecting her is Hydrogen Sulphide. (Note: first formal complaint registered with MRC on 1 December 2022)
- d) C1 went on to say that they have had several tradesmen visit their property who have also gagged at the smell.
- e) C2 has been using an app called Air Matters which records the air pollution, C2 confirmed that the readings differ in the range of PM2.5 to PM10. C1 requested that we look at where their app monitors.
- f) Both C1 & C2 feel that this is all related to the landfill gases onsite at Tamala Park.
- g) C1 advised that most of the smells come through the kitchen and bathroom vents.
- h) Both C1 and C2 what to know what has changed recently, we just want our perfect life back. We are retired, we want to enjoy our retirement, we have worked hard and now what to relax and enjoy.

3. MRC Odour Assessment Process

- a) ES went through MRC's Odour Complaint Reporting and Investigation process. Physical and environmental elements of the operations and external conditions are investigated and reported on. Investigation parameters listed below were explained and are reported on depending on the situation.
 - Wind direction
 - Wind speed
 - Humidity

- Rainfall
- Landfill Operating times
- Acceptance of odourless loads on the day
- Leachate Ponding
- Leachate Irrigation
- Surface water
- Plant downtime/repairs
- EDL Power station status
- Special burial
- Uncovered tonnes to landfill
- Stockpile activity
- Contractors activity
- Landfill sequence
- Seaweed season
- Road works
- Sewage works

b) From the information provide provided by the Complainants, the following investigations have concluded

Odour Event Outcome

Total odour notifications	146
Alternative Odour Source	3
Possible Impact Identified	71
Impact Identified	3
Wind blowing in wrong direction for the odour complainant location	66
Under Investigation	0
N/A	3

c) ES showed four examples of the wind rose (breeze direction) from the Complainants odour notifications. Two, where the breeze was blowing in their general direction and directly over their home. The remaining two, where the breeze was blowing from their home across to the landfill.

4. Odour Source (on and off site)

- a) OM shared that householders rubbish comes to the landfill, that's your rubbish and my rubbish. By the shear nature of the product being delivered the landfill is going to generate a smell. It is the nature of the beast. We know that we are going to impact on the community around us from time to time. And it is the communication with the community that is the key to fixing the issue, by reporting to us so we can address the situation.
- b) OM confirmed that 66 of the complaints received could not have been from an odour from TAMALA PARK, the wind on these occasions were recorded to be blowing in the opposite direction. C1 advised that he does not necessarily think it is caused by the wind as some days there is no wind and the odour is still there. Our home is in a lower than here (Tamala Park) and the odour settles in around our home.

- c) OM also confirmed that some of the complaints they had timelines on them, but from our data it would suggest that if the odour was present that it would have been all day not just a specific timescale. C2 says that it comes in waves to their home.
- d) OM confirmed to C2 that we do have leachate ponds onsite, C2 suggested that it could be this that is causing the odours that are making her ill. OM advised that we have not had any staff members that work in these areas day in day out go off sick from working in the vicinity so does not feel that this is causing the health problems. OM also advised that landfills can not emit landfill gas into the atmosphere as it is illegal, therefore MRC have to abide by strict conditions imposed by regulator.
- e) ES arranges annual landfill surface emission testing on the working cell and the capped cells. The most recent report showed we are well within the parameters outlined by government agencies.
- f) OM, also mentioned the personal ambient air testing carried out on staff, on site. Reports from this monitors show low exposure to contaminates on site and within work safe guidelines.
- g) Night loads received from COP only as it is too busy in the city for waste to be collected at any other time of the day.
- h) Strict guidelines in place for when we receive waste from odorous loads – loads only received between 8am/2.30pm and they are covered straight away.
- i) OM went over a map of the local 3km radius and pointed out other odour sources, this included: (distances are from their home)
- Sewage 440 metres
 - Groundwater 2.9km
 - Class one landfill 5.3km
 - Tamala Park 1.8km
 - Fast food chains ranges from 430m to 1.3km
- j) C1 asked if we have had anyone else from the local community complain, ES confirmed we do have 3 others but it is very sporadic.
- k) ES advised that the seasonal wind pattern should now blow away from their house.

5. Informed Stakeholders

- a) C1 advised that he contacted Burns Beach MLA City of Wanneroo (Mayor and CEO) and DWER's Governor Generals he didn't feel that he was being listened too regarding his house being contaminated. Everyone he has contacted has requested that he contact MRC direct. OM advised C1 that he has done everything right and that we have been contacted by some of these agencies. The MRC as also contacted several stakeholders and informed them of your complaints raised. The identity of C1 & C2 has not been divulged due to data protection.

The following stakeholder who MRC have made contact with:

- DWER (Licencing officer)
- MRC Chair
- Local Member Councils x 7 (via a council meeting)

- Tamala Park Regional Council (TPRC)
- Department of Health
- Environmental Health Officers at City of Wanneroo, City of Joondalup
- Water Corp
- Staff and Executive team at MRC
- Strategic Working Group – All member council waste managers

6. MRC Implementation Plan

a) OM shared what MRC are doing at TP:

- Boundary ambient air monitoring devices installed
- Staff ambient air monitoring testing is performed
- Third party peer review of our odour assessments and reporting
- Review our onsite odour treating protocols
- Waste management operational changes
- Do not use leachate matt mats
- Increased Fee and Charges (gate fee) for odours waste intake
- Enforced restricted delivery times for odorous waste and reject late loads
- Strategic discussions with COP for then night loads
- Formation of strategic working group (member council waste managers working group)

7. Update from C2 & C1

a) C1 & C2 advised that they have carried out several alterations to their home to try and keep the odours out. They have:

- Installed two Whirlybirds – but these have now been covered.
- Stripped out the Cool N Cosi insulation in the roof space and installed insulation bats
- Antibacterial cleaner was added/sprayed in the roof space before the insulation installed.
- Altered the cowlings to the external pipework where vents come into the house
- The extractor fan in the kitchen will be having a shutter fitted to it
- Purchased an INOAIR DE20 Air Purifier – C2 provided a sample of the filter. (OM offered to have it tested) C2/C1 will confirm when they purchased this so that we have a date range of when the filter has been used.

b) C2 confirmed that she has sought medical help regarding her symptoms and her GP has advised that issues with smell could have been caused by Covid, which C2 has advised that both herself and C1 have had it. C2 advised that a pharmaceutical company will be bringing out a drug in the future to rectify the after effects of Covid smell issues.

c) C1 has had a toxins test carried out by a Pharmacist and it showed that he has high mercury and cadmium in his body. C1 asked if the gas that is produced onsite has a high content of heavy metals in it. ES advised not, results from ambient testing onsite suggest that the heavy metals drop out of the air. ES advised that the tests include heavy metal and Volital Organic Compounds (VOC) and results are within the Work Safe exposure guidelines.

d) OM confirmed that our team of colleagues on the Tipface wear body devices and non have them have triggered a risk assessment.

- e) OM asked if C1 & C2 would allow MRC to test the air at their property, C2 confirmed yes and that we will need to work with them on a suitable date as they have a few things on at the moment.

8. Where to from Here

- a) OM confirmed that MRC are committed to finding out what is going on, he will be looking at factual data that has been collated by the team and the MRC contractors.
- b) OM emphasised that we carryout lots of tests onsite and record the data from them all, this will continue.
- c) 2023/24 we will be looking to install a Waste Water Treatment Plant on site.
- d) OM confirmed that we are purchasing additional ambient monitoring devices for the site.
- e) C2 advised that they would just like there world to return to normal pre October 2022. C1/C2 thanked MRC for listening to them and are pleased that we will be working together to sort this out.
- f) OM advised if C1 or C2 if they can think of anything else that they would like us to do to contact ES with a request.
- g) C1/C2 and ES to organise home monitoring and the sampling of the air purifier filter.

Table 1 Tonnes to landfill (3.5.2023 to 3.5.2023)

current working arrangement close cell 3.30pm																								
tonnes to landfill													Tonnes uncovered over night until next											
	0-6am	6.00-7	7-7.30	7.30-8	8-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-0	16.4	127.5											
Monday	26.4	3.32	7.27	7.13	751.0	20.4	15.1	13.91	15.87	16.1	16.4	127.5												
Tuesday	14.4	3.95	8.0	9.4	680.0	19.5	13.1	16.35	16.31	17.13	11.2	111.9												
Wednesday	17.3	3.91	8.2	10.77	751.2	24.2	17.0	15.22	15.45	16.15	15.5	124.8												
Thursday	12.3	2.3	8.55	8.77	654.3	19.9	21.2	13.6	16.46	16.34	12.3	114.4												
Friday	22.4	4.09	6.97	9.64	716.4	19.8	16.4	14.97	17.36	16.89	18.8	130.7												
Saturday	9.6	4.86	6.34	6.08	78.1	5.53	7.52	10.53	15.73	13.76	16.7	84.3												
Sunday	0	5.67	5.92	3.61	67	6	10.4	12.18	13.9	0	3.94	52.1												
proposal change for closing cell - move to 4.30pm																					% reduction from current practices			
tonnes to landfill													Tonnes uncovered over night until next		Tonnes delivered 6pm-7am									
Not change to staff																								
ust the way we close the cells																								
Monday	26.4	3.32	7.27	7.13	751.0	20.4	15.1	13.91	15.87	16.1	16.4	92.0	46.1	35.5	-27.8529									
Tuesday	14.4	3.95	8.0	9.4	680.0	19.5	13.1	16.35	16.31	17.13	11.2	79.3	29.5	32.6	-29.14									
Wednesday	17.3	3.91	8.2	10.77	751.2	24.2	17.0	15.22	15.45	16.15	15.5	83.6	36.8	41.2	-33.0142									
Thursday	12.3	2.3	8.55	8.77	654.3	19.9	21.2	13.6	16.46	16.34	12.3	73.3	26.9	41.1	-35.9028									
Friday	22.4	4.09	6.97	9.64	716.4	19.8	16.4	14.97	17.36	16.89	18.8	94.5	45.3	36.2	-27.6811									
Saturday	9.6	4.86	6.34	6.08	78.1	5.53	7.52	10.53	15.73	13.76	16.7	71.2	31.2	13.1	-15.4887									
Sunday	0	5.67	5.92	3.61	67	6	10.4	12.18	13.9	0	3.94	35.7	9.6	16.4	-31.484									
proposal change for closing cell - move to 5.30pm																								
tonnes to landfill													Tonnes uncovered over night until next		Tonnes delivered 6pm-7am						% reduction from current practices			
Change to staff																								
5.30-2.30 x2																								
3-4pm x1																								
10-6pm x2																								
Monday	26.4	3.32	7.27	7.13	751.0	20.4	15.1	13.91	15.87	16.1	16.4	62.2	46.1	65.3	-51.2019									
Tuesday	14.4	3.95	8.0	9.4	680.0	19.5	13.1	16.35	16.31	17.13	11.2	46.7	29.5	65.3	-58.3139									
Wednesday	17.3	3.91	8.2	10.77	751.2	24.2	17.0	15.22	15.45	16.15	15.5	52.9	36.8	71.9	-57.5897									
Thursday	12.3	2.3	8.55	8.77	654.3	19.9	21.2	13.6	16.46	16.34	12.3	43.3	26.9	71.1	-62.1884									
Friday	22.4	4.09	6.97	9.64	716.4	19.8	16.4	14.97	17.36	16.89	18.8	62.2	45.3	68.5	-52.4221									
Saturday	9.6	4.86	6.34	6.08	78.1	5.53	7.52	10.53	15.73	13.76	16.7	44.9	31.2	39.3	-46.656									
Sunday	0	5.67	5.92	3.61	67	6	10.4	12.18	13.9	0	3.94	9.6	9.6	42.5	-81.5512									
Night shift																								
tonnes to landfill																								
2 people on at night 5pm -6.30am																								
Monday	26.4	3.32	7.27	7.13	751.0	20.4	15.1	13.91	15.87	16.1	16.4	127.5												
Tuesday	14.4	3.95	8.0	9.4	680.0	19.5	13.1	16.35	16.31	17.13	11.2	111.9												
Wednesday	17.3	3.91	8.2	10.77	751.2	24.2	17.0	15.22	15.45	16.15	15.5	124.8												
Thursday	12.3	2.3	8.55	8.77	654.3	19.9	21.2	13.6	16.46	16.34	12.3	114.4												
Friday	22.4	4.09	6.97	9.64	716.4	19.8	16.4	14.97	17.36	16.89	18.8	130.7												
Saturday	9.6	4.86	6.34	6.08	78.1	5.53	7.52	10.53	15.73	13.76	16.7	84.3												
Sunday	0	5.67	5.92	3.61	67	6	10.4	12.18	13.9	0	3.94	52.1												

SUMMARY OF COUNCIL RESOLUTIONS

List of resolutions for the financial year 2023/2024 plus any outstanding resolutions from previous years			
OCM /SCM Date	Item #	Resolution	Status
01.06.2023	14.1	<p>SUBSTANTIVE MOTION AS AMENDED</p> <ol style="list-style-type: none"> 1. Nominates Tenderer B as the first preferred tenderer for the Waste to Energy Tender. 2. Nominates Tenderer A as the second preferred tenderer for the Waste to Energy Tender. 3. Authorises the Chief Executive Officer to commence commercial discussions with the preferred tenderers identified in 1 and 2 above with the intention of agreeing the terms of a Draft Waste Supply Agreement between the MRC and a waste to energy service provider. 4. Authorises the CEO to negotiate with the MRC's member council CEOs on the terms of a Participants Agreement to support the MRC's ability to meet its obligations under the Waste Supply Agreement. 5. Seeks a further report when the Waste Supply Agreement and Participant's Agreement are ready for Council's consideration. <p>Put separately :</p> <ol style="list-style-type: none"> 1. Authorises the Chief Executive Officer to advise the Member Council CEOs in writing that they and/or the individual MRC Councillors are permitted to disclose the contents of Confidential Report 14.1 to their own Member Councils should they wish to do so in regard to any issues arising therefrom, provided that they do so as a confidential report to a meeting of their Council held in closed confidential session." 	<p>FOR ACTION</p> <p>Completed</p>
29.09.2022	14.1	<p>That Council:</p> <ol style="list-style-type: none"> 1. Endorses the publication of a tender for the provision of FOGO processing services. 2. Requests the CEO to bring back to council a report, detailing the outcome of the tender and recommendations regarding an award. 3. Approves an increase in the 2022/23 budget for the costs specified in the Financial Implications section of the report. 4. Endorses the recommendation to insure the Neerabup Resource Recovery Facility, as detailed in the Confidential Report. 	<p>FOR ACTION</p> <p>FOR ACTION</p> <p>Completed</p> <p>Completed</p>