



# **MRC**

## **Odour Management Key Stakeholder Working Group**

**3<sup>rd</sup> August, 2023 at 11am**

**Moved to the 8<sup>th</sup> August at 8.30am**

### **Agenda**

**TABLE OF CONTENTS**

<b>1. ATTENDANCE / APOLOGIES.....</b>	<b>3</b>
<b>2. MRC – OMKS – COMPLETED ACTIONS .....</b>	<b>3</b>
<b>3. MRC – OMKS ACTIONS FROM LAST MONTH .....</b>	<b>4</b>
<b>4. MRC – OMKS – WORKING GROUP .....</b>	<b>4</b>
<b>5. OPERATIONS OPTIMISATION PROGRAMS TO REDUCE ODOURS.....</b>	<b>5</b>
<b>6. SPECIAL INVESTIGATIONS .....</b>	<b>6</b>
<b>7. COMMUNITY COMPLAINTS INVESTIGATION/ INTERPRETATION JULY 2023.....</b>	<b>7</b>
<b>8. MANAGEMENT OF INCOMING ODOUR COMPLAINTS (INTERNAL PROCESS).....</b>	<b>9</b>
<b>9. EXTERNAL CORRESPONDENCE.....</b>	<b>14</b>
<b>10. KEY MEETINGS / EVENTS AHEAD .....</b>	<b>14</b>
<b>11. NEXT MEETING .....</b>	<b>14</b>

## 1. ATTENDANCE / APOLOGIES

### Attendance –

Operation Manager (OM)  
Environmental Supervisor (ES)  
Waste Management Supervisor (WMS)  
Chief Executive Officer (CEO)  
Commercial Relations Officer (CRO)

### Apologies

Administration Officer (AO)

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

## 2. MRC – OMKS – completed actions

- Administration/ Environmental Department Issues
  - Action – Check old Waste Management Supervisors phone for any odour texts –completed.
- 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.
- Identified Key Stakeholders to attend meeting or receive minutes - confirm DWER and Member Council Information Bulletin has been added to the list to receive the meeting minutes - completed.
- ES raised text odour complaints are still coming. Will encourage complainants to follow the correct procedure.
- OM raised the need to assess the odour efficiencies of the tarps
  - Tarps not used for odour management, however still used as per DWER licence condition.
- CEO informed 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 – completed.
- **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 - completed.
    - Action: Reclassified their waste stream - completed.
    - Action: WMS to review tipface procedure is managing odorous loads to landfill - completed.

- **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 Southern Boundary Pod Systems will be installed in early July 2023 - completed.

**3. MRC – OMKS actions from last month**

- Information to provide to /or available on website, new website due soon  
 Action: 10.8.2023 request form to IT for hyperlinks to the four dot points in odour management on the website.
- Reporting chain-in line with MRC charter  
 Action: AO and ES to review before next meeting.

**4. MRC – OMKS – Working Group**

Open discussion on its role and assign roles:

Discussion on roles: receiving and processing notifications/complaints

- Administration/ Environmental Department Issues
  - Complaints are coming via email to admin
    - Holidays of Admin – Action: how is cover managed
    - Admin busy – delays in reviewing emails due to busy schedule
    - Procedural suggestion for Odour Complaint phone calls
      - Action: Email template to capture all data
      - Action: Training for Admin cover
      - Action: Further discussion regarding the App – Whisper
- Package 1 and 2 – Community Odour Complaint Registration Package
  - Being shared around the Kinross community  
 Action: Add to field survey for consistent odour language

Odour Experienced	
Description	X
Rubbish	
Organic compost manure	
Rotten Eggs	
Dead Animals	
Gas Smell	
Sewage	
Milk and dairy	

\*please note, methane has no odour

- Odour Flyer Information

- Website now - Change to website administration – moved to IT for updating going forward
- Send flyer out to Kinross Complainants–
  - Action: Information to go to Admin and extended staff that answer the phone
  - Action: Raised an IT job card for the upload of flyer onto website

Existing Key Stakeholders			
MPL Burns Beach	Tamala Park Regional Council	DWER	Member Councils' Information Bulletin – Provide key outcomes
Community Champion 1 – Kinross resident	Community Champion 2 – Kinross resident		

Add New Key Stakeholders Suggestions

**5. Operations Optimisation Programs to reduce odours**

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

Item	Activities on site to reduce odour issues	Comments
Landfill Operations	EcoSorb (odour neutralisation product (enzymes that eat odour gases))	Should be delivered in the next 2 weeks – <b>delay in shipment from the Eastern states</b>
	Zeolite	5 Ton deployed over weekend (delivery Friday 4th), <b>20Ton order and being shipped from Queensland, arriving 29<sup>th</sup> September 2023</b>
	Odorous Loads/ Special Burials	<b>Biosolids are being landfilling in a location next to the side batter of landfill to reduce odour generation and migration</b>
	Covering the waste	150mm limestone and/ or tarps cover applied daily to delivered waste
	Zeolite spread out on wet areas on landfill	Continue to be spread over the working bench
	<b>Investigating barrier mitigation</b>	<b>Third party quoting and presentation</b>

	Southern Barrier Odour Pods	Internal installation – Installed 2 August 2023, flyer ready for Website and sending to Kinross residents
	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
	Efficiencies	July 2023 Wellfield adjustment Program - completed
Leachate	Leachate pond	<ul style="list-style-type: none"> <li>BioWish and BioKey being added to liquid on a weekly basis</li> </ul>

## 6. Special Investigations

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

#### 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: Draft report reviewed by MRC, waiting final copy. Once completed, report will be made available. DWER will also receive a copy.

### 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 raised the point that cover is started at 4pm
      - Action ES – to adjust the table 1 to reflect comment above.
      - Action: OM- discussed with City of Perth and City of Stirling waiting for DWER reply to Odour Report.
- 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.

- Action – Further discussion WMC /operations staff

**Budget Discussion:**

- 2023/24 Budget in place
  - Ongoing works funded
    - Mitigation measure, part of daily operations
  - Future work budgeted
    - Investigation Leachate Treatment Plant options
      - Preliminary investigations underway.
    - Capping of Western side of landfill
      - Preliminary investigations underway.
    - Ambient Air Monitoring Units
      - RFQ – two units (mobile).
      - Sensors include Interested in the following gases, hydrogen sulphide, totally volatile organic compounds, nitrogen dioxide, carbon dioxide and carbon monoxide, Temperature, Humidity, wind, direction.
    - Odour Misting/vapour system ring around landfill
      - Requesting a performance based product including service and maintenance.

**DWER REPLY TO COMMUNITY COMPLAINT REGISTERED ON THE 10<sup>TH</sup> JULY 2023**

- Odour complaint lodged on 10<sup>th</sup> July 2023, MRC was CC'd into the lodgement
- MRC replied to the DWER and the Complainant with investigation findings
  - Wind blowing in the wrong direction for odour to impact on the complainants' area
- DWER reply: Appendix 1

**7. Community complaints investigation/ interpretation July 2023**

Complaints received summary reviewed in conjunction with Section 8

Complaint Location for the month of July 2023 and year to date (*Figure 1 and 2*)

- Registered Odour complaints
  - 33 Complaints from 24 complainants, of which 18 were new compliants– for July 2023.
  - 76% of the July complaints for odour came from Kinross.
  - However, year to date, Mindarie still has the highest number of complaints.

Odour Event Outcomes for the month of July 2023 and year to date (*Figure 3 and 4*)

- 55% of July complainants experience or possibly experienced odour.
- 33% a high proportion on complainants' events were not investigated as no time and dates were provided – this has been addressed in package 1 being sent out and/or sharing the importance of timely reporting when they contacted MRC.
- Overall (year to date) – 60% of all comp complainants experience or possible experienced odour.

Odour Event Reporting for the month of July 2023 and year to date (Figure 5 and 6)

- A significant number of July complainants 70% contacted MRC after hours which still links in with the overall high number (year to date) of 56% contacted MRC after hours. After hours has been recorded as anytime outside of operating hours (4.30pm right through to 8.30 in the morning).

Odour Mitigation for the month of July 2023 and year to date (Figure 7 and 8)

- 84% of July complainants said they experienced odours outside of working hours which still links in with the overall high number (year to date) of 66% odour experience after hours.
- MRC has limited ability to effectively mitigate odours over night.
- If 28% of July complainants notified MRC in a timely manner, the MRC would have had the potential to mitigate - this has been addressed in package 1 being sent out and/or sharing the importance of timely reporting when they contacted MRC.

Note: Odour Reporting event – is the time the odour is reported, Odour Mitigation is the time the odours is experienced and the ability of the MRC to mitigate.

Final comments:

- Long-time Kinross residents were experiencing odours for the first time over July.

Action

- New consistence language to be tabled/graphed next month (section 4 smell description table)

8. Management of incoming odour complaints (internal process)

Figure 1

Complaint Location July 2023

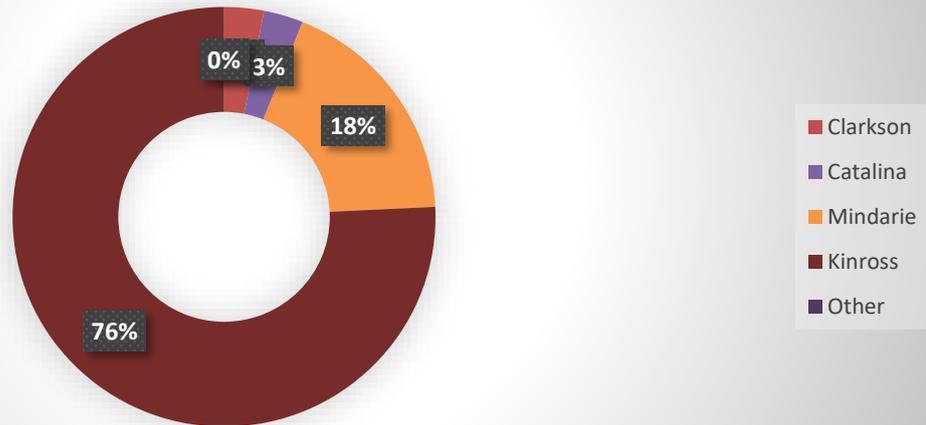


Figure 2

Complaint Location year to date (July) 2023

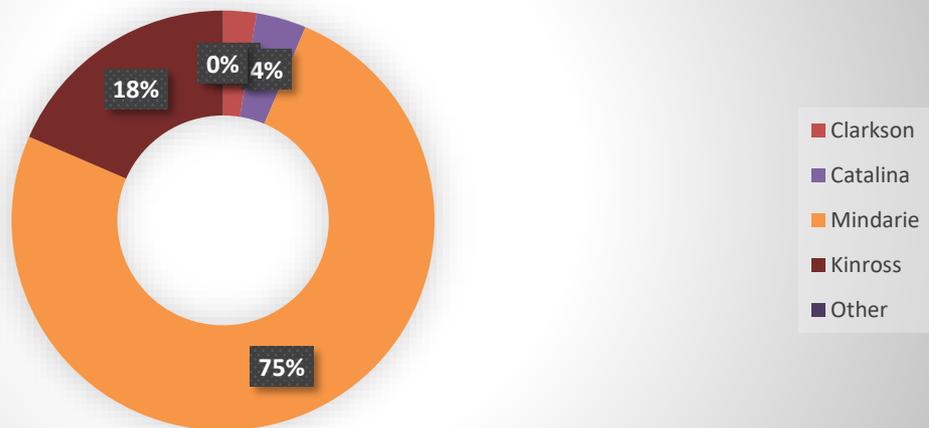


Figure 3

### Odour Event Outcomes July 2023

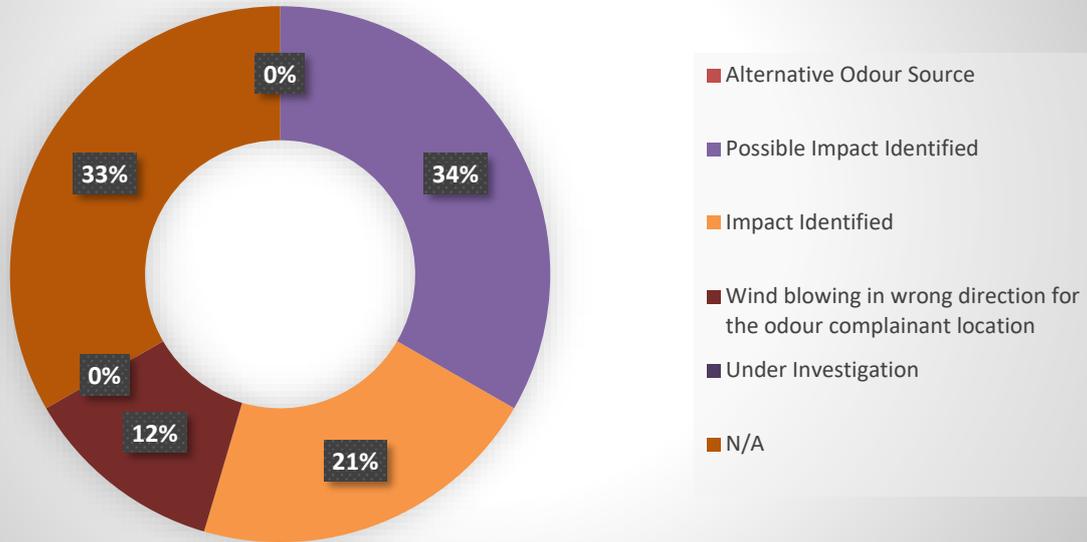


Figure 4

### Odour Event Outcomes year to date (July) 2023

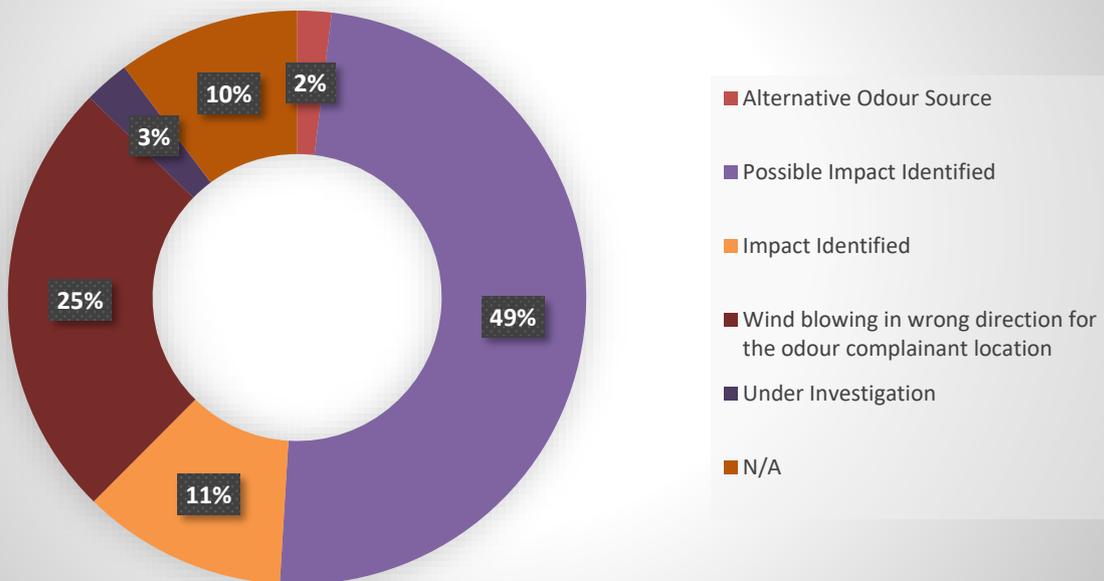


Figure 5

### Odour Event Reporting July 2023

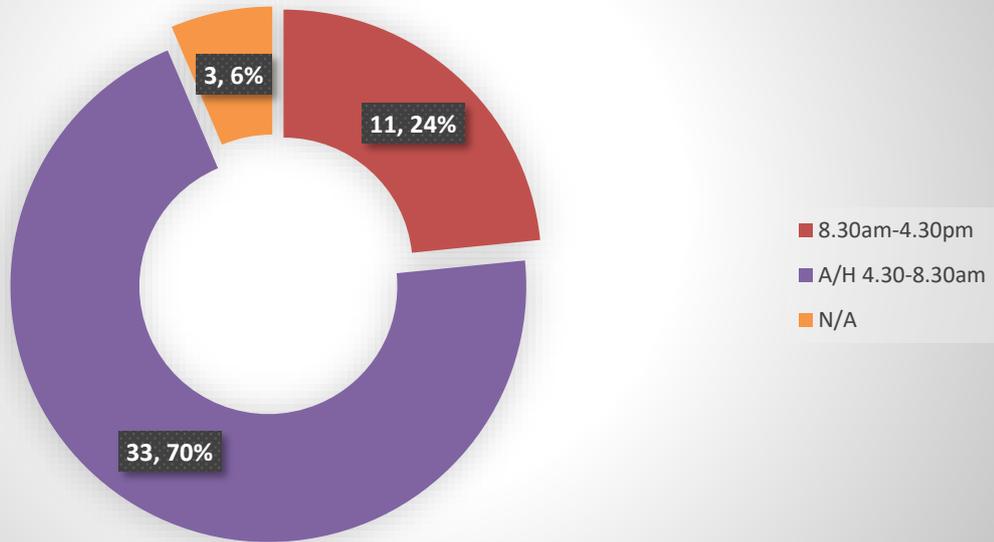


Figure 6

### Odour Event Reporting year to date (July) 2023

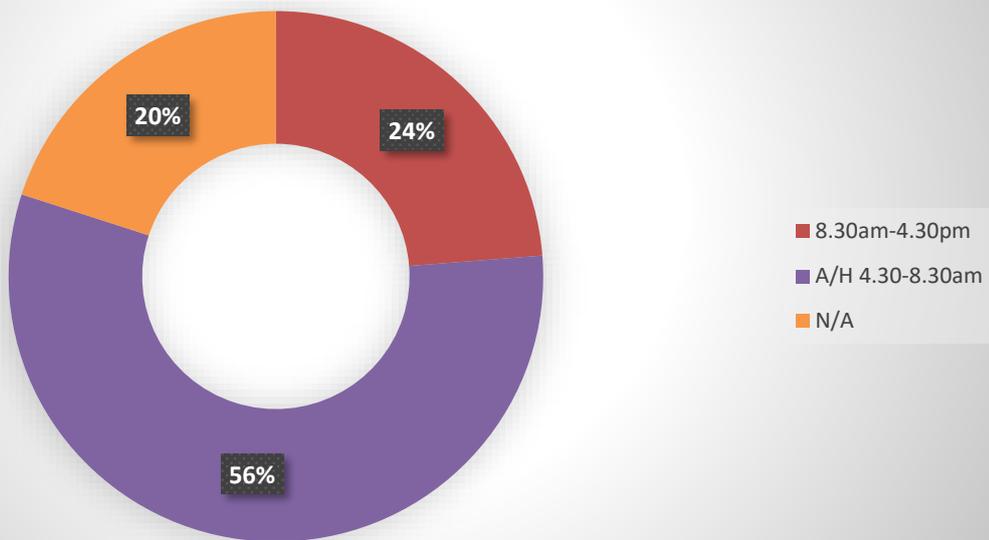


Figure 7

### Odour Mitigation July 2023

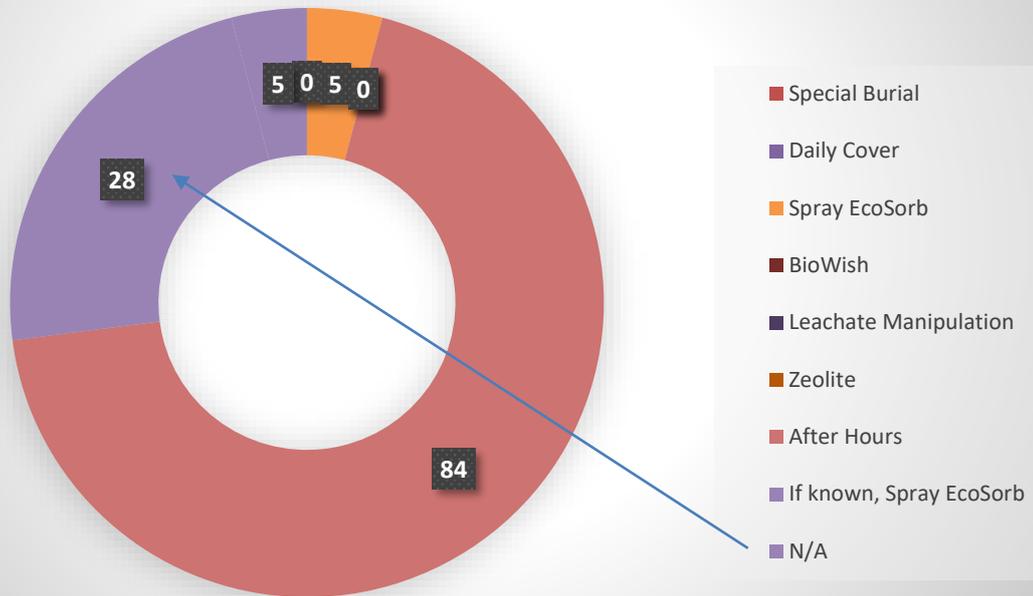
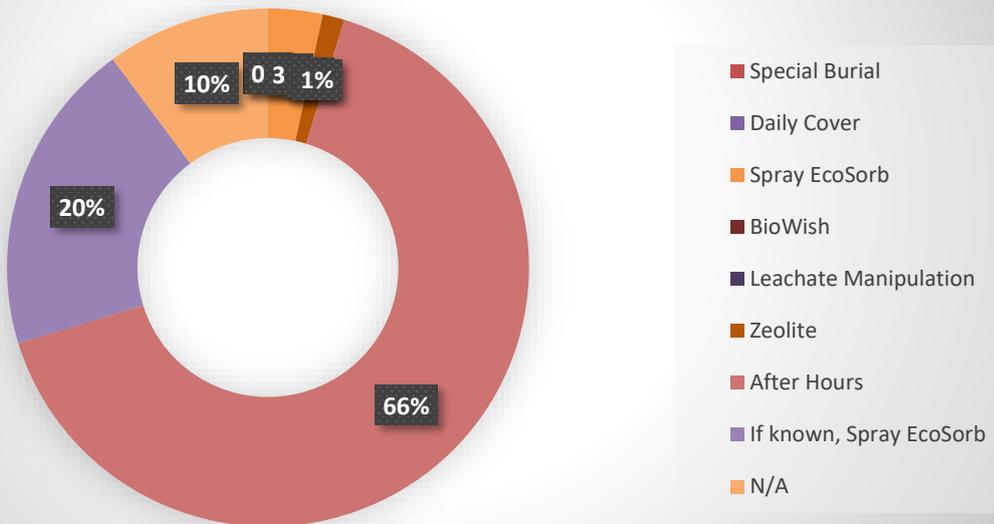


Figure 8

### Odour Mitigation year to date (July) 2023



D-23-0004579

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



## **9. External Correspondence**

### Community Champions

- Two have been added Key Stakeholders

### Development of Catalina Green – TPRC

- Action: provide Statterley and TPRC an information flyer regarding closing, odour and general information

### Government Agencies

- Providing DWER with Odour Report / minutes of OMKS – WG minutes

## **10. Key Meetings / Events Ahead**

## **11. Next Meeting**

Scheduled early September

D-23-0004579