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Date: 17<sup>th</sup> April 2024, 8.30am am

Location: Mindarie Regional Council

Attendance:

Executive Manager Operations (EMO)  
Environmental Supervisor (ES)  
Waste Management Coordinator (WMC)  
Odour Data Assistant (ODA)

Apologies: Chief Executive Officer (CEO)

ELO: D-24-0003363

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## 1. MRC – OMKS – Previous Meeting – completed actions

- DWER Community Update website
  - Proposed Action: MRC to request from the DWER if any community residences have requested new information –
  - Update: awaiting their reply,
  - Action: reach out to the DWER for a reply 17.4.2024
- Community Champions/stakeholders
  - Action: MRC to engage an experienced odour consultant to assist.
  - Update: Engaged EAQ Consultant, they will be working with the Community Odour Complaints Register to determine community members that may wish to be part of the stakeholders.
- EcoSorb – Scheduled delivery to landfill
  - Trial still being conducted
  - Update - No significant difference in odours experienced
- Odour Clusters Reporting– methodology to the DWER
  - Action: to request assistance from the Odour Consultant contractor
  - Update: Completed
- Landfill Sequencing:
  - Action: Landfill Plan being incorporated with the Critical Infrastructure Plan
  - Update: The landfill Plan has been shared with landfill operators.
- EMO – has approved - DWER – Circular Economy/ Climate and Sustainability Portfolio - requested a site visit of the facility.
  - Update: DWER cancelled site visit

## 2. MRC – OMKS – Working Group

Open discussion:

1. Odour Consultant Kick-Off Meeting

On Tuesday 9<sup>th</sup> March 2024, a Kick-off meeting was held with the recently awarded Odour Consultant Services. The meeting was productive and a way forward was mapped out. A number of key deliverables will commence together. These include:

- The review of all odour complaints over the past 18 months –
  - Key Community Campaigns will be proposed by the consultant
- Review of historical odour investigations and studies –
  - this will assist in determining where the field odour surveyors will be undertaken along with historical community odour complaints
- Site visit to understand waste streams/ processes and procedures –
  - Start the drafting of a Site Odour Management and Monitoring Plan.

Coming Up:

- Assessment of odour complaints against, weather modelling and dispersion of odour from the site and into surrounding areas
- Community Engagement Meeting – on-site
  - Site Visit / Landfilling/ waste stream future
  - Understanding landfill gases and their movement
  - Odour impact and what that means
  - Share modelling/ field/ community complaints results
  - Share Odour Management and Monitoring Plan – where we are at
  - Way forward
- Odour Management Plan
  - Odour Mitigation
  - Odour Monitoring

Action: Request a timeline/ milestones from EAQ Consultant on the deliverables

Discuss with EAQ monitors and monitoring of leachate (equipment has been budgeted for 23/24)

## 2. Budget Discussion:

- 2024/25 Budget
  - The following future works included in the proposed 2024/25 budget
    - Update: A substantial amount is proposed in the draft 2024/25 budget for odour related items
    - Works include – Evaporation (Western) Mat decommission, Leachate Treatment Trials, Addition leachate sampling/ testing and analysis, landfill roller
  - Investigation of Leachate Treatment Plant options
    - Preliminary investigations underway
      - Update –Consultants have completed the first analysis of the leachate, MRC has 10 days to review and reply, Requested additional leachate results
      - Water Corporation is keen to accept the treated leachate from MRC, has requested specification of liquid tradewaste to their facility
      - MRC to work with consultants, DWER Licencing department to achieve this end goal.
      - Ammonia, PFAS are keen contaminants of interest during the proposed trial.
      - Trial date is not set, a significant amount of prework is required.
- Capping of the Western side of the landfill
  - Update – the capping area handover has been approved by the superintendent for the Contractor to take control of the capping/ works area on the landfill.
  - Mobilisation to site around Mid May 2024

### 3. Weather Station:

- Weather station offline from 17 March 2024
- Vlado Raich – sending weather data information (Rockingham), Vlado said that the direction of the breeze will not vary significantly. Speed may. EAQ Consultant – confirmed this statement.
- The weather station has been sent to the east for repair – due back in three weeks
- Weather data being collected – WA Bom – Ocean Reef, Seabreeze (EAQ Consultant agrees it is the best solution considering the situation).
- Looking at a mobile weather station to be installed near mats – discussed with IT, purchase will go ahead and the weather station will be installed near the workshop until IT has installed a wifi box on the tower near the mats

### 4. 24/25 FY Fees and Charges: Increase in Odorous load burials

Odorous loads starting from 24/25 FY will see an increase in disposal cost of 34%. It is expected that this significant increase will result in waste to energy being a more cost-effective option for the customer, going forward.

## 3. Operations Optimisation Programs to reduce odours

Operational activity to reduce odours on-site during February and March 2024

Item	Activities on-site to reduce odour issues	Comments
Landfill	Zeolite	Nil
	Odorous Loads/ Special Burials/	Restricted hours applied to Biosolid deliveries, covered straightaway by the next incoming load.
	Covering the waste	150mm limestone
	Northern Barrier Odour Pods	Serviced and maintained 13.3.2024, service has been extended for two months
	Landfilling bench	5m reduced to 3.5m
Power Station	Generated Kwh	2,037,699 (Feb 2024)
	Efficiencies – Tonnes CO <sub>2-e</sub> Abated	11,350 T (Feb 2024)
Landfill gas	Landfill Gas Monitoring	Within Licence Condition parameters
	Efficiencies	March 2024 Wellfield adjustment Program - completed
Leachate	Leachate pond	BioWish added once a week.

## 4. Special Investigations/ Events

Community Odour Registration – Cluster 15.4.2024

- Greater than 10 Complaints (17)
- Investigations underway
- AEQ – evening patrol (16.4.2024)
- MRC action
  - Notification to DWER – 17.4.2024
  - Spreading of Zeolite on ponded area 16.4.2024 (left over from the significant summer storm on Friday 12 April 2024).
- Discussion around winter ponding, EOM, commented that a Roller is budgeted for 24/25 FY and will significantly reduce the ponding of landfill water as the roller flattens the surface of landfill and pushing water to low points for collection and generally assists in aquaplaning water away from landfilling.

DWER Licencing – Site Visit



## 6. External Correspondence

Community Odour Complaints – Some complainants when raising odour complaints with the MRC, have noted that they were not told about the landfill nearby or the correct time when it is closing. In August 2024 the MRC provided a flyer to the developers of the area and the company selling the land. This flyer was also posted on the MRC website for existing neighbours to be updated on the facilities' services and closure timeline.

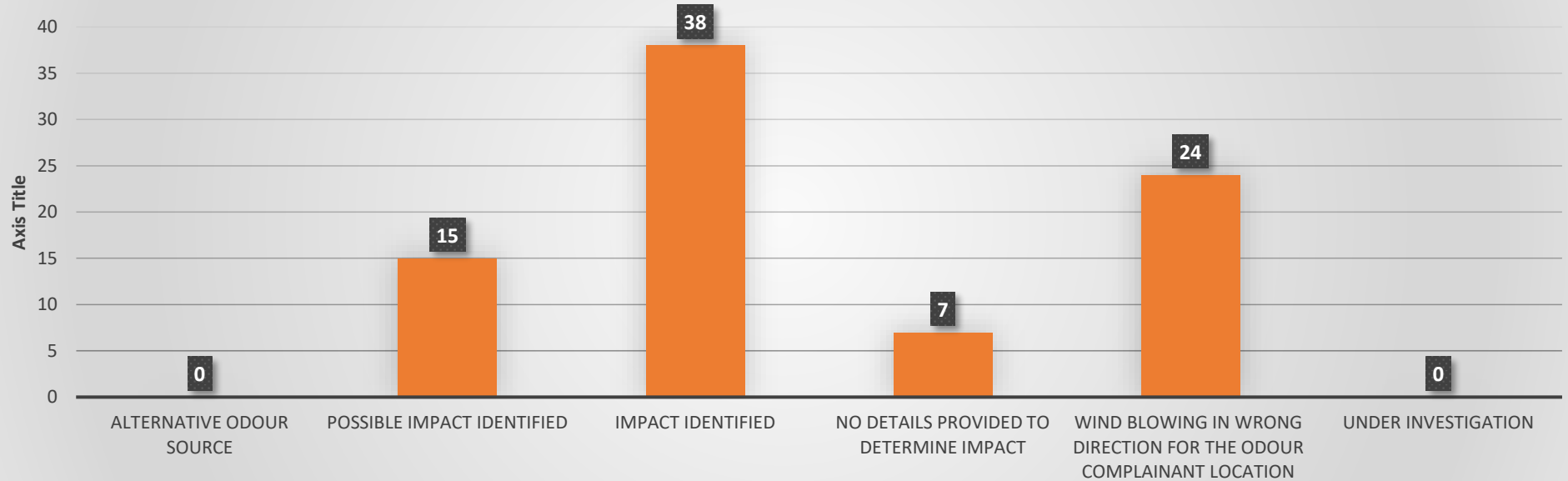
Action: Re-issue/ or new - a flyer to developers and their land-selling company.

## 7. Key Meetings/ Events Ahead

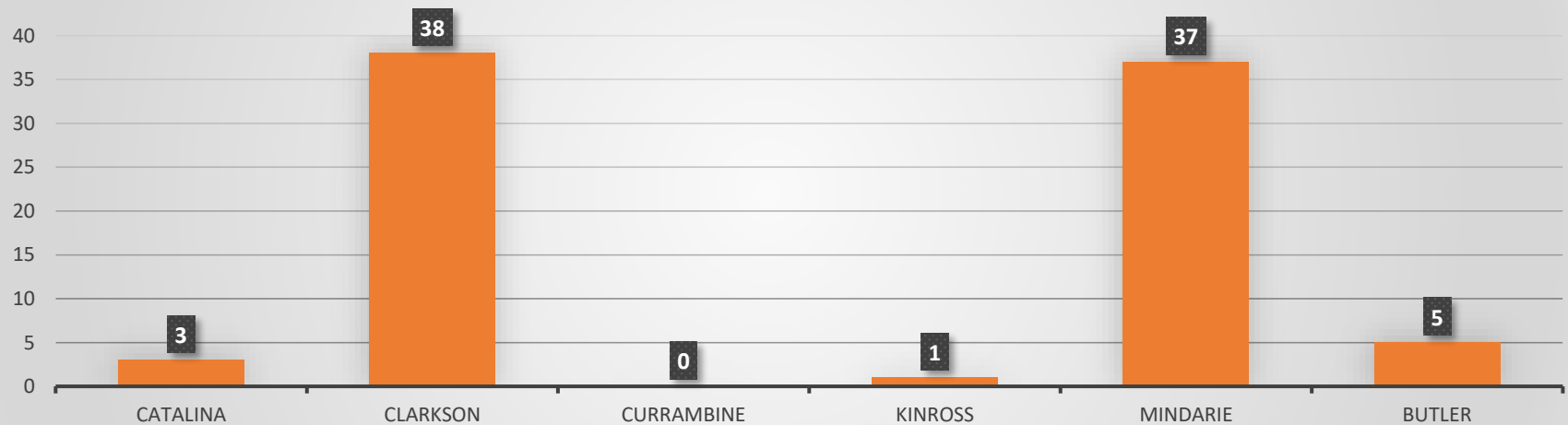
## 8. Next Meeting

May 2024

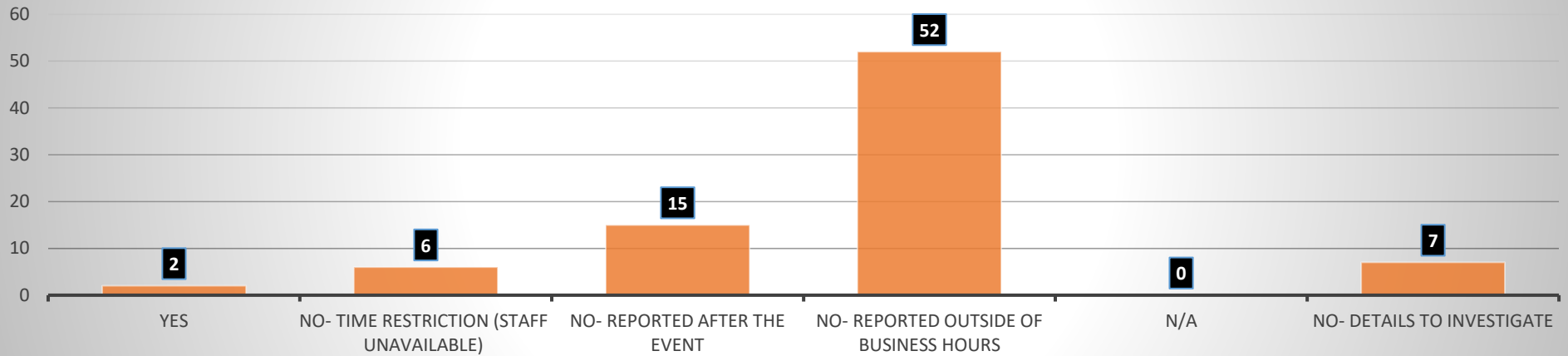
### Event Odour Outcomes March 2023



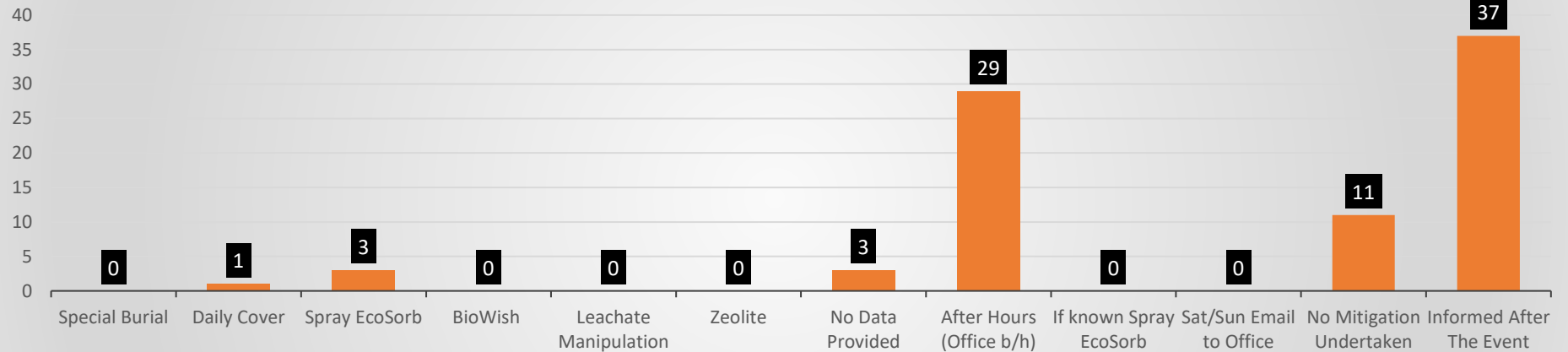
### Complaint Location March 2024



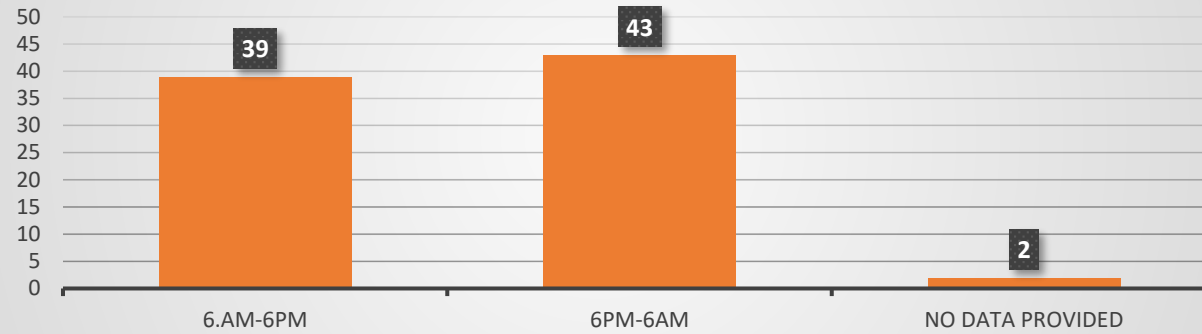
## Field Survey Undertaken March 2024



## Odour Mitigation March 2024



### Operations Landfilling Hours March 2024



### Odour Event Reporting March 2024

