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Date: 23 May 2024, 2 pm

Location: Mindarie Regional Council

Attendance:

Executive Manager Operations (EMO)

Environmental Supervisor (ES)

DWER Officer (DO)

Odour Consultant (OC)

Apologies:

Chief Executive Officer (CEO)

Waste Management Coordinator (WMC)

Odour Data Assistant (ODA)

ELO: D-24-0004794

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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 added information –
  - Update: awaiting their reply,
  - Action: reach out to the DWER for a reply on 17.4.2024
  - Action: have not heard, seek DO advice for action
- Odour Consultant
  - Kick-off meeting and one ad-hoc field survey, from an odour cluster.
- Community Flyer:
  - Proposed Action: Re-issue/ or new - a flyer to developers and their land-selling company.  
Completed

## 2. MRC – OMKS – Working Group

Open discussion:

### 1. Community Engagement Plan –

#### 1. Questionnaire

- Meet with OC, drafting a planned questionnaire (attached for review)
- Open Questionnaire Monday 27<sup>th</sup> May for two weeks, close 9<sup>th</sup> June 2024
- Questionnaire available on the website, plus all complainants for 2024 will receive a copy.
- Replies to [admin@mrc.wa.gov.au](mailto:admin@mrc.wa.gov.au)
- ODA will compile information and questions.

- ES, EMO, will answer questions.
- Post results of questions and answered questions on the website.

Discussed handing out questionnaires at the weighbridge, decided not to and the catchment of the MRC transfer uses are not just around the facility. The questionnaire will not be very meaningful to them.

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## 2. Community Interviews

- OC reaching out to individual community members, long-standing community members, and regular shares of odour experiences.
- 2 – Mindarie, 2 – Kinross, 2 - Clarkson

## 3. Odour Management Plan

- Data has been provided
- Site assessment underway

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

Arrange a time to review the site operations and identify odours on-site.

## 2. Budget Discussion:

- 2024/25 Budget
  - Investigation of Leachate Treatment Plant options
  - Preliminary investigations underway

EMO explained that the Leachate Treatment Plant was part of the overall Critical Infrastructure Plan (CIP) and is being presented at the MRC Council Meeting this Thursday. The outcome of that meeting will direct the top two points.

EMO shared that under the Treatment Plant Option, one of the options is for treatment leachate to be delivered to the Water Corp sewer line, near the site. Leachate water will be treated to the chemical parameters provided by Water Corp. The MRC is working with the Water Corp and Consultants to understand what the MRC would be required to do, to meet this standard. EMO, also noted that any solution like a treatment plant, is still 18 months away from operation.

EMO shared that in the proposed 2024/25 budget for Odour Management, significant funds have been put aside. The Council will be discussing the 2024/25 budget at the right time.

DO commented that DWER is supportive of the ideas proposed and will assess the licence amendment application for leachate management under their DWER guidelines.

**Action:** EMO will advise the DWER and OC of the outcome of CIP Council meeting early next week.

- Capping of the Western side of the landfill
  - August 2024 mobilising to the site

## 3. Weather Station:

- Weather station – outcome – new logger, 4G, sensors and modem - supplied and installed by the end of June 2024
- Weather data being collected – WA Bom – Ocean Reef, Seabreeze (EAQ Consultant agrees it is the best solution).

- Looking at a mobile weather station to be installed near mats – awaiting new WIFI installation on the pole/ workshop.

#### 4. Mitigation – Short Term Solution Research/ Purchase

- Biox – NZ / Eastern States office
  - Proposal (attached for review)
    - Near workshop
      - Buy – 2 cannon now (Capex, FY23/24)
      - Buy – Solution/ product (Opex FY23/24)
      - Connect to Main/ water supply from the workshop
    - On landfill/ mobile
      - Buy – 2-3 Capex FY24/25
      - Buy – Generator (Capex, FY 23/24)
      - Buy – Solution/ product (Opex, 24/25)
      - In stock – piping, water tank/ IBC
  - Zoom meeting with NZ – Redvale landfill to ask them about their experience
    - Community
      - 40 odours p/m down to 3-7 p/m
      - Community very sensitive to odours
    - 5 cannon on site
      - 3 fixed, 2 mobile on trailers
      - Neutraliser (mix of their own, with Biox)
      - Monthly service
      - Dedicated odour service personnel
    - Odours mostly occur in summer during operational hours
    - Landfill takes kerb side waste, biosolids, greens
    - No major hassles, or downtime

### 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
	Landfilling bench	5m reduced to 3.5m
	New Vibrating Roller arriving to site	Due 10 June 2024
Power Station	Generated Kwh	2,197,890 (March 2024)
	Efficiencies – Tonnes CO <sub>2-e</sub> Abated	11,963 T (Feb 2024)
Landfill gas	Landfill Gas Monitoring	Within Licence Condition parameters
	Efficiencies	April 2024 Wellfield adjustment Program - completed
Leachate	Leachate pond	BioWish added once a week. Ecosorb daily

### 4. Special Investigations/ Events

Landfill Gas Emission Investigation

- 21.4.2024 – OC matched the landfill gas odour from the landfill power station to the landfill gas on the landfill to the odour being experienced off-site – Kinross/ Catalina –Field investigations
- On investigation of landfill gas smells – leachate pipe was noticed to have landfill gas present

#### Action:

- EDL is connecting into the leachate and extracting any landfill gas present
- Landfill operators are burying leachate pipe better so no landfill gas can be emitted from the slotted pipe
- Canister testing Source quotes for landfill gas odour testing – matching landfill gas (from landfill) to landfill gas (from power station).
- ES investigating the last time the landfill gas wells were installed in the landfill and the gas capture of the gas wells previously installed.
- Raised once again the issue of landfill gas odour in the staff toolbox talks

## 5. Community Odour Complaints Register for April 2024

### **April 2024**

During April 2024, one hundred and twenty-six (126) community odour complaints were registered. However, 30 registered complaints were blowing in the wrong direction.

#### *Graphs of the April 2024 – Community Odour Complaints – See Appendix 1*

1. 24 days of 30 for April 2024 – odours were lodged, 6 days where zero odours experiences were lodged;
2. 88 odour complaints were identified.
3. 30 odour complaints were blowing in the wrong direction; and
4. 7 odour complaints did not provide enough data to investigate. They are lodged in the register as – No Data Provided (NDP).

#### Of the odour complaints registered

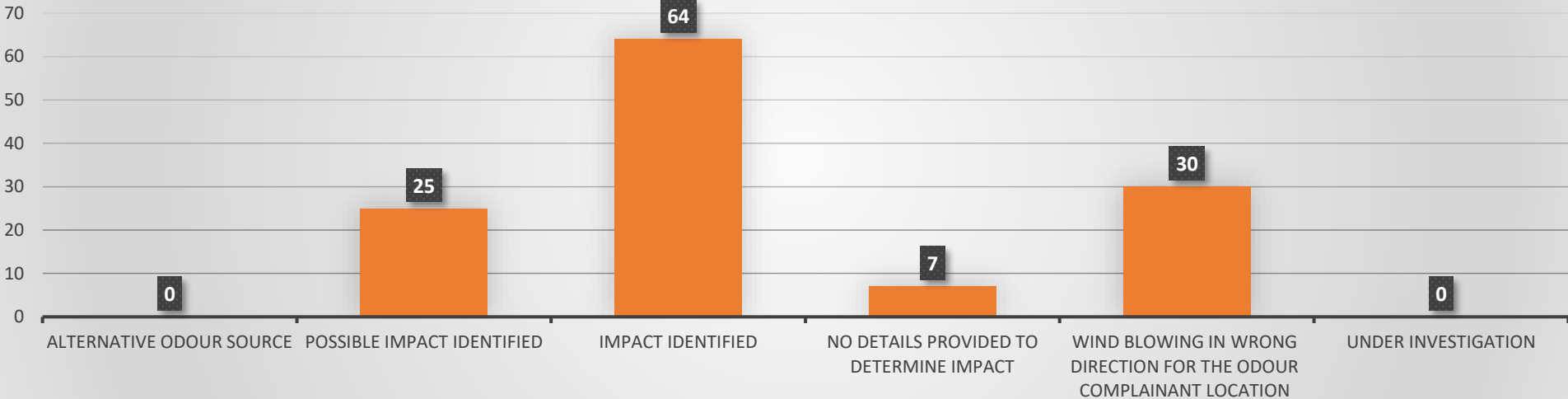
- 65 odours lodged from Clarkson/Catalina, 60 odours lodged from Mindarie, and 1 from Kinross.
- 77 odours reported outside of office hours via email/website. 16 odours were lodged during office hours, however, 37 odour registrations were reported after the event;
- Of the 88 complaints registered, 71 of these occurred outside of business hours/ after the event or no data provided meant that no mitigation of odours was possible; and
- Only 3 field surveys were undertaken during April 2023

#### Odour Register Group

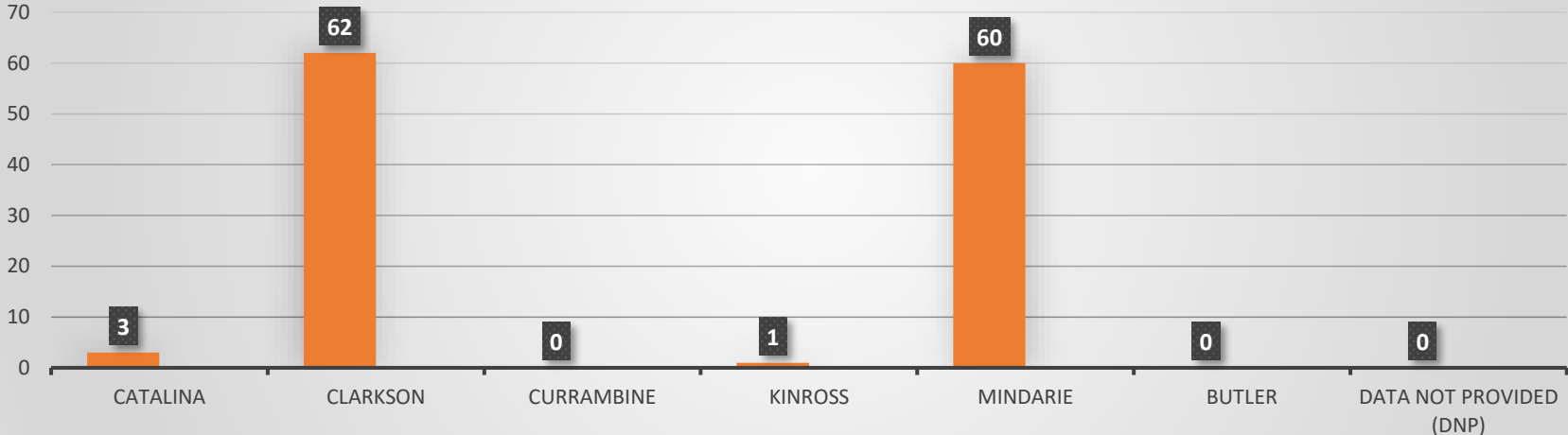
- 65 community residents raised 88 confirmed odour experiences
- 25 new community residents and 40 existing community residents



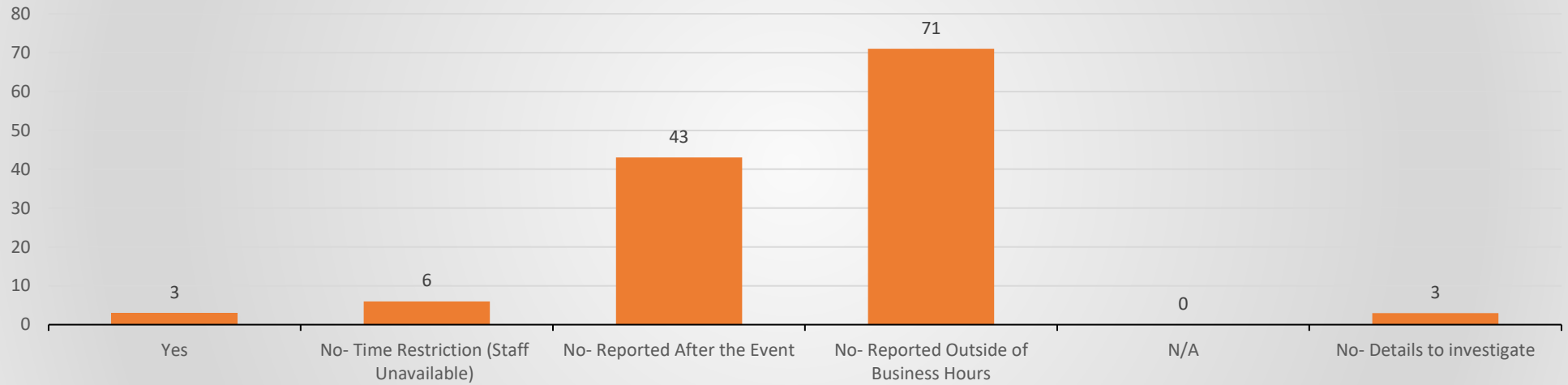
### Event Odour Outcomes April 2024



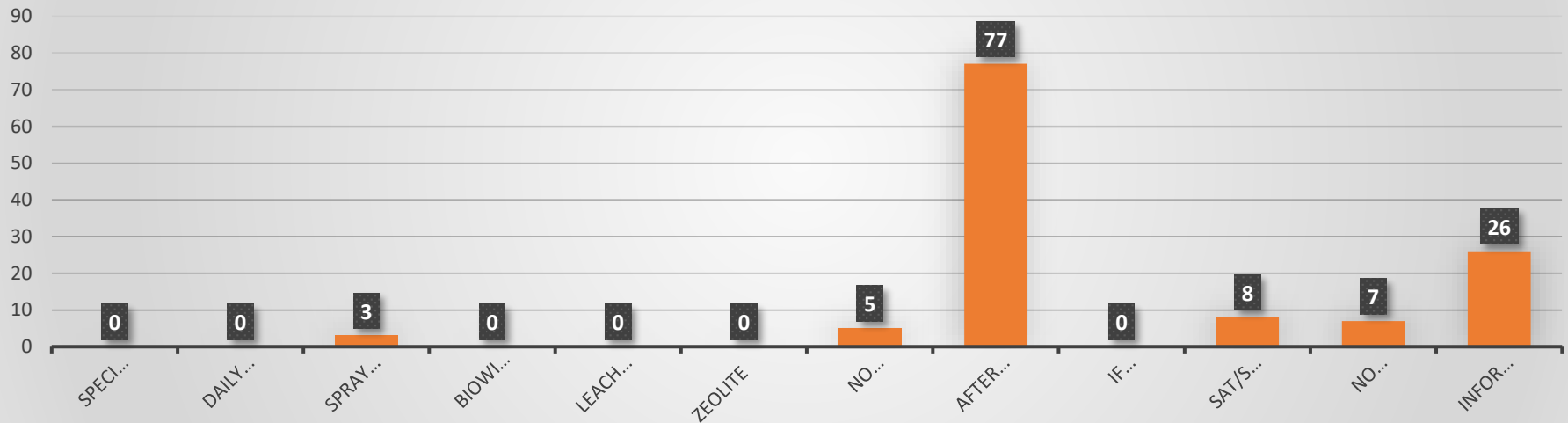
### Complaint Location April 2024



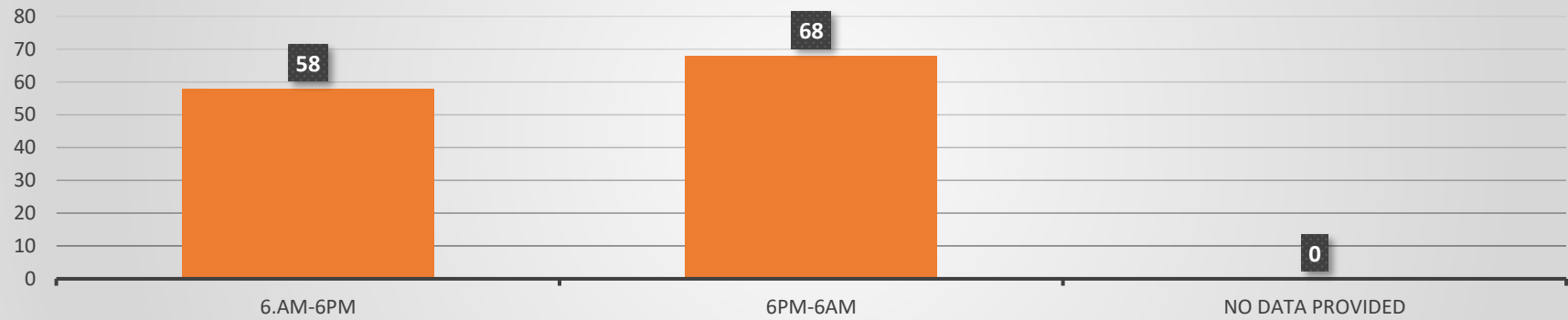
### Field Survey Undertaken April 2024



### Odour Mitigation April 2024



## Operations Landfilling Hours April 2024



## Odour Event Reporting April 2024

