**Odour Management Plan**

**Site Details**

**Site Name:** G E Heard & Sons Ltd  
**Site Address:** Marshlands Road, Farlington, Portsmouth, PO6 1SS

**Operator Name:** David Heard, Mark Heard

**Who Should be Made Aware of this Plan?**

* Staff
* Customers
* Environment Agency Officers
* Contractors working on site

**How will they be made aware?**

* Through training sessions
* Distribution of printed copies
* Digital copies via email and internal portal

**Document Author:** David Heard  
**Version Number:** 2.0

**List of Revisions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision Number** | **Revision Authorised By** | **Date Submitted to Environment Agency** | **Description** |
| **1.0** |  |  | **Initial Draft** |
| **2.0** | **D Heard** |  | **More detail on specific measures** |
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**1. Introduction**

**1.1 Site Description**

G E Heard & Sons Drum Reconditioning Facility is in an industrial area. The facility operates Monday to Friday from 7 AM to 4 PM. The site reconditions used drums and IBCs through cleaning and refurbishing processes.

**1.2 Maintenance and Review of the OMP**

* **Responsible for OMP:** Site Manager
* **Plan Storage:** Digital copy on the company’s PC; printed copy in the site office.
* **Plan Review:** Annually and after any significant change in operations or after a complaint.
* **Staff Training:** All staff receive initial training on odour management during onboarding and annual refresher training. Training is conducted by the Environmental Compliance Officer.

**1.3 Relevant Sector Guidance on Which This OMP is Based**

* H4 Odour Management Guidance

**2. Receptors**

**2.1 Receptor List**

|  |  |  |  |
| --- | --- | --- | --- |
| Boundary | Closest Property | Approximate distance to G E Heard & Sons Ltd site boundary (m) | Sensitivity to Odour |
| North | Farlington Housing | 380 | Medium |
| Southeast | Langstone Harbor SSSI | 500 | Low |
| northwest | Farlington Dental Practice | 800 | Low |
| Northwest | Solent Junior School | 900 | Low |
| west | Drayton Park | 950 | Low |
| Northeast | Portsmouth Golf Course | 990 | Low |
| west | Springfield School | 1000 | Low |

**Figure 2.1 Map of Site Location and Sensitive Receptors** A screenshot of a map

AI-generated content may be incorrect.

**Reference:** Sensitive Receptors Jpeg  
  
**2.2 Wind Rose and Source of Weather Data**

**Source of Weather Data:** Highcharts.com

**Wind Rose Chart:**

A screenshot of a graph

Description automatically generated

**3. Sources of Odour and Site Processes**

**3.1 Odorous Materials Entering and Leaving Site**

* **Deliveries:** By road, daily
* **Containers:** Sealed drums
* **Vehicle Instructions:** Drivers are instructed to keep vehicles sealed until unloading.
* **Unacceptable Materials:** Returned to sender following Waste Rejection Protocol

**3.2 Odorous Materials**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Odorous and Potentially Odorous Material** | **Odour Potential** | **Maximum Quantity on Site** | **Maximum Time Held on Site** | **Location on Site** | **Additional Comments** |
| Chemical Residue | Low |  |  | Barrel Stock Storage | Drums to be fitted with bungs |
| Washing process | Medium |  |  | Barrell wash Rack | Croffles Installed |
|  |  |  |  |  |  |

**3.3 Overview of Odorous Processes and Emissions**

**Site Layout:**

A blueprint of a house

Description automatically generated

The primary source of potential odour is the drum washing process, which can release vapours from residual contents. However, a combination of odour control technologies and procedural safeguards are in place to mitigate this.

All incoming drums are stored with bungs fitted, significantly reducing any vapour emissions during storage. Prior to washing, drums are inspected and sorted to ensure no high-risk residues are processed.

During washing:

* **ONA Odour Neutralising Liquid is added to the cleaning cycle.**
* **ONA Polar Crystals are placed in the wash water to release a continuous, natural odour neutraliser.**
* **Croffles (floating hollow plastic spheres) cover the surface of the washing tanks, reducing evaporation of steam that may contain residual odours.**
* **The exhaust system from the washing machinery has been upgraded to a high-mounted Turbo exhaust, dispersing any residual steam or vapour at a greater height, further minimising ground-level odour impact.**

**These systems work in combination to contain, neutralise, and disperse any potential odours before they can reach sensitive receptors.**

**4. Control Measures and Process Monitoring**

**4.1 Appropriate Measures / BAT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Odorous and Potentially Odorous Process / Material** | **Control Measures (Appropriate Measure / BAT)** | **Monitoring Frequency** | **Monitoring Procedure and Optimum Process Parameters** | **Trigger Level** | **Action Taken if Outside Optimum Process Parameters** |
| Storage of incoming drums | All drums stored with bungs fitted to prevent vapour release | Daily | Visual inspection | Any unbunged drum | Drum to be immediately bunged or moved to secure area |
| Drum washing process | |  | | --- | |  |  |  | | --- | | ONA Odour Neutralising Liquid added directly to washing system. ONA Polar Crystals used in wash water. Croffles (floating plastic balls) used to suppress odorous steam evaporation. | | Daily | Inspection and documentation during wash setup | Odour detected near wash bay | Increase ONA dosage / replace crystals, notify Site Manager |
| Steam emissions from wash system | |  | | --- | |  |  |  | | --- | | Steam routed via upgraded “Turbo” exhaust to discharge at height, dispersing any residual odours above receptor height. | | Monthly | Exhaust integrity check | Odour reported downwind of site | Inspect exhaust; increase odour neutraliser or reduce washing intensity |
| Handling of potentially contaminated drums | Only drums containing low-risk residues accepted. Contaminated or highly odorous drums rejected on delivery per waste rejection protocol. | Per load | Delivery inspection and paperwork review | Drum emits strong odour when unloaded | Reject drum and return to sender |
| Wastewater and residue handling | Regular cleaning of drainage and collection systems to prevent build-up of odorous residue. | Weekly | Inspection of drains and sumps | Visible residue / odour in drainage | Clean drains immediately; assess need for more frequent inspection |

**5. Odour Reporting**

**5.1 Complaints Reporting**

Complaints will be reported to the Environment Agency within 48 hours. Each complaint will be logged and investigated immediately.

**5.2 Community Engagement**

Regular updates and open communication channels will be maintained with the local community.

**5.3 Pro-active Odour Monitoring**

Sniff tests will be conducted as necessary monitor odour levels.

**5.4 Reactive Odour Monitoring**

Upon receiving odour complaints, immediate monitoring and investigation will be conducted to identify and rectify the source.

**6. Abnormal Events**

**Spillages:**   
  
In the event of equipment failure (e.g. odour neutraliser not dispensing, croffles displaced, or exhaust system blockage), the site will suspend the affected process until the issue is resolved. If odour is detected off-site or a complaint is received during such an event, a root cause investigation will be carried out, with actions and findings recorded in the site diary and reported to the Environment Agency if appropriate.

**Appendix A: Odour Control Technology Summary**

**ONA Products**  
ONA (Odour Neutralising Agent) products use natural essential oils to neutralise odour molecules rather than masking them. ONA Liquid is added directly into the drum washing process to neutralise any odours released during cleaning. ONA Polar Crystals are slow-releasing odour neutralisers placed in wash water tanks.

A bottle next to another bottle

AI-generated content may be incorrect.

**Croffles**  
Croffles are hollow plastic spheres that float on the surface of liquid tanks. They form a semi-sealed surface layer, reducing heat loss and minimising steam and vapour release during drum washing. This reduces the release of any odorous compounds into the air.

**Turbo Exhaust**  
The drum washing system is fitted with a turbo exhaust system that vents steam emissions vertically at a higher elevation than traditional outlets. This allows vapours to disperse more effectively and reduces the likelihood of odour being detected at ground level or by nearby receptors.

A tall wooden structure with a blue sky

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