

Draft Odour Management Plan – Manor Park Resource Recovery Park

Version 1

Introduction

The purpose of this plan is to document how odour from the proposed Manor Park Resource Recovery Park will be minimised and managed so that it does not create nuisance off-site.

This plan is a draft document only. It will be finalised should Hutt City Council deem resource consent is warranted, to reflect relevant conditions of consent.

Prevention of Odorous Wastes

There are three potential sources of odorous waste,

- Waste from commercial customers
- Waste from municipal collection
- Waste that members of the public bring to the site.

At Source – Commercial Customers

Waste Management have signed agreements with all their commercial customers in which it is clearly stated that no highly odorous waste can be placed in the commercial bins. This is also followed up by continual education and if necessary reinforcement of contractual obligations if odorous wastes are discovered.

At the Weighbridge

If the driver or weighbridge operator suspects that the waste load from municipal collection or a load being dropped off by a member of the public is highly odorous, it is inspected before being off-loaded and if unacceptable is rejected and diverted to an approved landfill. If this option is not possible, for example, the landfill is closed, the waste is off loaded inside the refuse transfer station building, sprayed with odour suppressant, covered over with inert soil and kept secure until it can be taken directly to landfill.

Odour - Potential Sources & Controls

The potential sources of odour and control methods are summarised in the table below.

No	Odour source	Control methods
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1.	Odorous waste loads	<ul style="list-style-type: none"> • Weighbridge operator (and/or driver) to assess odour from loads entering the site, and reject excessively odorous waste upon arrival at the weighbridge • Known odorous waste to be prioritised for immediate disposal • All putrescible waste to be covered over with inert waste if stored overnight • No odorous containers are to be left outdoors over night. • Customer agreements and education - no excessively odorous waste will be allowed. Customer to be informed and educated to prevent re-occurrence
2.	Odour generated from indoor tipping floors and wastes in the main buildings (MRF and RTS buildings).	<ul style="list-style-type: none"> • Minimisation of the retention time on the floor for all odorous waste • Wash away any standing water into the catchpits • Off-loading to take place as far as practically possible from the main building's open doors • Odour suppressant chemicals to be kept available on site at all times and used locally if and when required. • Odour cannon or overhead fog sprayers (or method that achieves a similar outcome) to be used within RTS building. • Rapid coverage of odorous waste with inert material and removal from site • Working floor to be swept clean on a continuous basis • Loading procedure in place to ensure truck haulage entry door remains closed unless truck is entering/exiting building
3.	Odour from wastes stored in containers stored inside the Transfer Station building	<ul style="list-style-type: none"> • Waste removed within 24 hours of receipt (or as soon as practically possible). In exceptional circumstances (ie. landfill closed over a long weekend) waste will be removed within 72 hours
4.	Odour overnight from filled transporters that are ready for removal in the morning	<ul style="list-style-type: none"> • Transport-ready bins will be parked inside the transfer station building overnight
5.	Empty waste bins	<ul style="list-style-type: none"> • Any empty waste containers that are found to be generating excessive odour will be treated with a deodorising chemical or transported off site to a consented facility to be washed out
6.	Stagnant water ponding on site	<ul style="list-style-type: none"> • Ongoing grounds maintenance
7.	Trade waste chambers, catchpits, screens and separator tanks	<ul style="list-style-type: none"> • Regular inspection and maintenance • Cleaned out regularly

8.	Odorous illegal waste loads	<ul style="list-style-type: none"> Wastes will be intercepted at the weighbridge and not permitted to enter the site
9.	Fly-tipped material outside the gate	<ul style="list-style-type: none"> Isolated loads of fly-tipped waste close to the gate that meets the acceptance criteria will be picked up disposed of Hutt City Council will be notified of any waste that is unacceptable and will arrange for disposal to an appropriate facility
10.	Any other odour sources	<ul style="list-style-type: none"> Prompt investigation of incident and corrective action
11	Spill Management	<ul style="list-style-type: none"> In the event of a spill from trucks a water tanker will be available on site to washdown road spills and prevent odour from lingering. Any spill will be picked up/ cleaned as soon as possible.

Odour Control Devices

A odour cannon and/ or an overhead fog system will be used in all buildings where odour may be present. A high-pressure fogging solution is used by the odour cannon. The odour suppression device creates a fog out of water and an odour neutralising chemical solution, encapsulating odour before it drifts off-site.

Monitoring

Waste Management shall ensure that there is no offensive or objectionable odour beyond the property boundary.

Odour issues are by their nature immediately apparent to staff who respond to this form of monitoring by implementing the 'control methods' as described above.

Reporting and Record-Keeping

Issue	Reporting Process	Record Keeping
Odour complaint	Company in-house incident report system	Company in-house recording and reporting of incidents
Odour equipment maintenance		<p>Records to be kept of regular maintenance of odour cannons/ overhead fog systems.</p> <p>Rolling record to be kept of quantities of odour suppressant chemicals to ensure they are always on hand.</p>

General Comment

It is not in WM's interests to store any waste or recyclable materials on site for any length of time. It is normal operating practice for Waste Management to remove all waste or recyclables from their transfer stations to landfill, cleanfill or the recycling market as soon as possible.