

Annual Environmental Review:
Dulverton Organic Recycling Facility (EPN 7852/1)
November 2014 to November 2015

Dulverton Waste Management

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1. Introduction

This report has been prepared in accordance with the requirements of Environment Protection Notice 7852/1, G6, Annual Environmental Review.

2. Business Profile

Dulverton Waste Management (DWM) was set up as a jointly owned venture by Devonport City Council, Kentish Council, Central Coast Council, and Latrobe Council. DWM exists to provide environmentally effective waste management services for its owners, the community and Industry.

Access to the Dulverton Organics Recycling Facility (DORF) is by prior arrangement with DWM and is not open to the public. All waste streams for composting have been subjected to rigorous analysis beforehand and are accepted on the basis of compliance with the AS4454: 2012 *Composts, soil conditioners and mulches* and with DWM's Environmental Management System (EMS).

The operation of the DORF is contracted to MDG Contracting who employs two full time staff on the site, and a Site Supervisor that covers the operation of the landfill and the DORF. Additional staff are called in when the work load requires.

3. Environmental Policy

OBJECTIVE

DWM is committed to responsible environment management and the pursuit of providing a safe and sustainable waste management, minimisation and recycling service for our community.

LEGISLATION

Environmental Management & Pollution Control Act 1994 (Tas).

DEFINITIONS

Environmental Management System (EMS):

An Environmental Management System (EMS) is a structured management tool which provides methodical approach to planning, implementing and reviewing the performance of an organisation in regard to its legal and other requirements for environmental management. It follows the standards set out in AS/NZS ISO 14001:2004, and is regularly audited independently to assess adherence and for ongoing improvement.

Stakeholders:

A person or group that has an investment, share, or interest in something, as a business or industry.

RESPONSIBILITIES

Board:

- To provide the financial and human resources required to support the objectives of this policy.

Chief Executive Officer:

- To provide the systems and procedures to support the objectives of this policy

Employees, Contractors & Sub-Contractors:

- To comply with all the systems and procedures relating to the environment;
- To at all times consider the effect of an activity on the environment; and
- To discontinue an activity if it becomes apparent that environmental harm may occur.

POLICY STATEMENT

DWM is committed to:

- Playing a leading role in promoting best practice in our industry
- Prevention of pollution and minimisation of waste
- Compliance with applicable legal requirements and with other requirements to which the organisation subscribes
- Communicating with all persons working for or on behalf of the organization the requirements of the EMS
- Minimising and where possible avoid adverse impacts on our stakeholders, environment and social surrounds
- The reduction of suitable waste stream volumes to landfill, through effective reuse, composting and minimization strategies, and
- Understanding and minimising our greenhouse gas contribution.

DWM will:

- Actively pursue continual improvement in environmental management
- Provide a framework for setting and reviewing environmental objectives and targets
- Implement and maintain an Environmental Management System (EMS) certified to ISO 14001:2004
- Regularly review its environmental performance through:
 - Management review of the system
 - Progress against objectives and targets, and
 - An internal and external audit.

REVIEW

This policy will be reviewed every four years or as required by the Board.

REFERENCE			
APPROVED BY:	DWM Board	MINUTE NO:	8 of 2012
APPROVAL DATE:	13 th December, 2012	REVIEW DATE:	September 2016

4. Reporting Period

The reporting period for this report is November 2014 to November 2015.

5. Acknowledgement of Report

I hereby acknowledge that the contents of this report are a true and accurate record of the activities of the Dulverton Organics Recycling Facility for the reporting period.



Signed *Mat Greskie*

Chief Executive Officer for Dulverton Waste Management

6. Complaints Received from the Public and Actions Taken

All complaints received by DWM, whether from the public, on-site personnel or other authorities, are recorded on a Corrective Action Requests (CAR's) tasklist and are assigned to a staff member to deal with.

A business using an EMS is required not just to resolve the problem when it occurs, but investigate the 'root cause' of the problem and instigate any preventative action that will stop the problem recurring.

As per G6 of EPN 7852/1 for Annual Environmental Review, DMW is required to show a list of all complaints received from the public during the reporting period that relate to potential or actual environmental harm or nuisance.

Below is a list of the complaints received during this reporting period. Note; some complaints received are listed in the Annual Environmental Review report for the Landfill as in the absence of evidence it is difficult to determine odour sources. Observations from site personnel regularly identify the nearby mushroom composting operation as the odour source. This observation had been passed onto the EPA periodically.

Corrective Action Register (CAR): Nov 2014- Nov 15 – Complaints Received for DORF Operations

CAR No	Generated from	Date <i>(The non-conformance occurred)</i>	Description of Non-conformance <i>(details of the incident as received by reporting officer)</i>	Action Taken <i>(Outlines direct action taken to rectify the non-conformance).</i>	Action By <i>(Name of staff member who carried out 'action taken')</i>	Action Date <i>(Is the date that the staff member carried out the 'action taken'. This cell is to be left blank until the action in 'action taken' has been completed)</i>	Root Cause of Problem <i>(to be updated following an investigation of the non-conformance and what underlying factors may have contributed to it).</i>	Preventative Action <i>(Measures put in place to prevent the non-conformance from reoccurring).</i>
ENV-408	MP	25/09/2015	Received a phone call from a resident who stated that crows from the Dulverton Landfill are coming over to her farm and harassing her cows.	Recorded details and made contact with Site Supervisor who advised that there has not been a noticeable increase in crows onsite. Also visited the site on the 28/09/2015 and did not see a noticeable increase in crows.	MP	28/09/2015	The nature of landfill and composting operations means that crows may be attracted.	Continuing to monitor the crow numbers.
ENV-411	Latrobe Council	5.11.2015	Odour complaint received by Council, mid-morning, from a Coal Hill Road resident. After discussion with DWM, Council rang complainant back, who advised that the odour has dissipated.	Council EHO discussed with DWM EO, who had not noticed any odour when on site that morning. EO spoke to site personnel who could not identify a source of the odour.	AH	5.11.2015	The root cause of this odour has not been established.	Continual improvement and adjustment of processes at the DORF.

7. Environment-Related Procedure and Process Changes

There were no major process changes to composting operations during the period of this report, except the commencement of DWM accepting liquid waste.

Earlier in 2014, the EPA approved DWM to take high strength waste water from the Spreyton Fonterra plant to be composted, after a successful trial period. This waste stream is now one of a limited number that the EPA has approved DWM to accept, allowing the composting site to expand the number of customers it can provide for.

8. Summary of Solid and Liquid Wastes Produced

There is no solid waste produced on site. Oversize material from screened compost windrows is put back into the composting system, or used at the landfill.

Liquid waste is generated at the DORF as rainfall or irrigation filters through the windrows to form leachate, and then drains into a storage lagoon. The maximum storage capacity of the lagoon is approximately 25ML (SEMF, 2011), but an adequate freeboard is maintained by irrigation of the leachate to a nearby pine plantation under a system that was approved by the EPA in 2012.

The irrigation system is controlled by the EMS, and includes measures that ensure sprinklers do not operate during times of rainfall and are checked each day and recorded using a checklist set up in the EMS.

The compost leachate is also used for truck wash-down water at the mixing pits, and in dry weather is recirculated back onto the compost windrows to keep optimum moisture levels.

9. Environmental Incidents and Non-Compliance

During the reporting period there were no major environmental incidents or non-compliance events.

10. Summary of Monitoring Data

The monitoring data for the DORF is contained in the report provided for the Landfill, which has been included under item 10 of the Landfill Environmental Annual Review.

11. Improvement of Compliance with EPN

DWM has a certified EMS, under ISO 14001:2004 *Environmental Management Systems*, and is audited every year to ensure that a system of dealing with any non-conformances is in place, and that DWM is working towards continuing ongoing improvement in the way environmental hazards and risks are managed.

DWM has invested a significant amount of its budget and staff time into lessening the environmental risk factors on the composting site over recent years.

For the period that this report covers there have been no major issues to address to improve compliance with the EPN.

12. Community Consultation

During the reporting period there was no formal community consultation by DWM. However, information is dispersed to the regional Councils through regular meetings of DWM's owner-Council representatives, and through the Cradle Coast Waste Management Group.