



Victoria Government Gazette

No. S 356 Wednesday 8 October 2014
By Authority of Victorian Government Printer

Environment Protection Act 1970

VARIATION TO THE BEST PRACTICE ENVIRONMENTAL MANAGEMENT – SITING, DESIGN, OPERATION AND REHABILITATION OF LANDFILLS (EPA VICTORIA PUBLICATION 788)¹

Environment Protection Authority (EPA) Victoria

1. In 'Best Practice Environmental Management – Siting, Design, Operation and Rehabilitation of Landfills' (EPA Victoria, Publication 788.1, September 2010) ('EPA publication 788.1'), for Table 6.4 on page 31 **substitute** –

'Table 6.4: Landfill gas action levels

Location	Parameter(s)	Action level and unit
Landfill surface final cap	Methane concentration in air*	100 ppm
Within 50 mm of penetrations through the final cap	Methane concentration in air**	100 ppm
Landfill surface intermediate cover areas***	Methane concentration in air*	200 ppm
Within 50 mm of penetrations through the intermediate cover	Methane concentration in air**	1000 ppm
Biofilters	Methane flux	1.0 g/m ² /hr
Subsurface geology at the landfill boundary	Methane and Carbon Dioxide concentrations	1% v/v Methane or 1.5% v/v Carbon Dioxide above background
Subsurface services on and adjacent to the landfill site	Methane concentration	10,000 ppm
Building/structures on and adjacent to the landfill site	Methane concentration in air	5000 ppm
Landfill gas flares	Methane and Volatile Organic Compounds	98% Destruction efficiency

2. In EPA publication 788.1, for the explanatory points under Table 6.4 on page 31, **substitute** –
- *Point of measurement is 50mm above the landfill surface.
 - **Point of measurement is 50mm from the point of discharge.
 - ***Intermediate cover areas are those that do not have an engineered landfill cap and are not scheduled to receive waste during the next three months.?

¹ This document is a legislative instrument, as defined in section 3 of the **Subordinate Legislation Act 1994** (Vic.).

SPECIAL

3. In EPA publication 788.1, on page 32 for –
 ‘The following landfill gas levels inside a building, if confirmed, should trigger advised relocation from the building:
- 1% v/v methane
 - 1.5% v/v carbon dioxide’
- substitute –**
 ‘The following landfill gas level inside a building, if confirmed, should trigger advised relocation from the building:
- 1% v/v methane’.
4. In EPA publication 788.1, for Table B.3 on page 60 **substitute –**
 ‘Table B.3: Typical construction details for landfill gas bore construction

Component	Value
Bore & Casing	
Drilled bore diameter (mm)	100–150
Pipework casing – outer diameter (mm)	50
Depth of top of bentonite seal (m)	1
Length of solid casing below ground level (m)*	1
Pipework design & gravel backfill	
Perforated casing pipework (% open space)	10–15
Pipework casing – size of slots / perforations (mm) (must meet % open space requirements)	2–4 but no more than 5
Size range of gravel back fill	Not greater than 10 mm Must be sufficiently larger than pipework slots / perforations to prevent blocking.
Gravel type	Washed gravel to be rounded to sub-rounded and non-calcareous (<5% carbonate)

Dated 13 August 2014

CHERYL BATAGOL
 Chairman
 EPA Victoria

This page was left blank intentionally

bluestar * **PRINT**

The *Victoria Government Gazette* is published by Blue Star Print with the authority of the Government Printer for the State of Victoria

© State of Victoria 2014

This publication is copyright. No part may be reproduced by any process except in accordance with the provisions of the Copyright Act.

Address all enquiries to the Government Printer for the State of Victoria

Level 2, 1 Macarthur Street
Melbourne 3002
Victoria Australia

How To Order



**Retail &
Mail Sales**

Victoria Government Gazette
Level 5, 460 Bourke Street
Melbourne 3000
PO Box 1957 Melbourne 3001



Telephone

(03) 8523 4601



Fax

(03) 9600 0478

email

gazette@bluestargroup.com.au

Price Code A