


**Groundwater and Leachate Monitoring
Report for Hollywood Landfill (Waste Licence
W0129-02) Quarter 1, 2011**

June 2011



Client Name:	Murphy Environmental Hollywood Ltd. (MEHL)
Client Address:	Hollywood Great, Nag's Head, Naul, Co. Dublin
Report Title:	Groundwater and Leachate Monitoring Report for Hollywood Landfill (Waste Licence W0129-02) Quarter 1, 2011
Project Code:	MU0102

Project Manager (Name):	Louise O'Donnell
Project Manager (Sign):	
Project Manager (Date):	29/06/11

Approved by Project Director (Name):	Dr. Conor Tonra
Approved by Project Director (Sign):	
Approved by Project Director (Date):	29/06/2011

Issue No.	Date	Status
01	29 th June 2011	Final Report - Issue to Client and EPA

Notes/Comments:

Table of Contents

Executive Summary	1
1.0 Introduction.....	2
2.0 Results.....	5
3.0 Discussion	28
4.0 Conclusion.....	30

Appendices

- Appendix 1: Groundwater Sampling Sheet
- Appendix 2: Chain of Custody
- Appendix 3: Laboratory Results
- Appendix 4: Calibration Records – pH, DO, Conductivity Meters

Figures

- Figure 1: Monitoring Locations

Executive Summary

1. Murphy Environmental Hollywood Ltd. (MEHL) holds an EPA Waste Licence (W0129-02) for the operation of an inert landfill at Hollywood Great, Nag's Head, Naul, Co. Dublin.
2. Annual groundwater and leachate sampling was carried out by Patel Tonra Ltd. at Hollywood Landfill on the 22nd of February 2011 as required under Waste Licence W0129-02.
3. Groundwater is not extracted for drinking water purposes at or in the vicinity of the site. Limits referred to in this report are therefore for comparative purposes only.
4. The following parameters were in excess of the limit value concentrations set down in the Drinking Water regulations and EPA trigger levels:

Reportable 'Incidents'

- Ammoniacal Nitrogen exceeded the Drinking Water limit in BH-8.
- Faecal Coliforms exceeded the Drinking Water limit in BH-5 and BH-14.
- Total Coliforms exceeded the Drinking Water limit in BH-5 and BH-14.
- Sulphate exceeded the Drinking Water limit in BH-10A.
- Conductivity exceeded the EPA Trigger Level in BH-10A.

Non-Reportable 'Incidents'

- Manganese exceeded the Drinking Water level in BH-4A, BH-5, BH-6, BH-8, BH-9 and BH-11A.
5. Leachate analytical results were compared against Class A3 surface waters in the Surface Water Regulations, SI No. 294 of 1989 – The European Communities (Quality of Surface Water Intended for the Abstraction of Drinking Water) Regulations. These limits values are not statutorily applicable, and are used in this instance only as a comparator.

For further information on the contents of this report or any issue related to the operation of Hollywood Landfill, please visit www.mehl.ie or telephone the site at 01 8433744