

MEHL

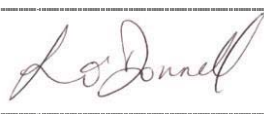
**Quarter 4, 2011 Groundwater and Surface
Water Monitoring Report, Hollywood Inert
Landfill (EPA Licence W0129-02)**

December 2011



a | patel tonra ltd, 3f fingal bay business park, balbriggan, co. dublin, ireland
t | 01 802 0520 | **f** | 01 802 0525 | **w** | www.pateltonra.com

Client Name:	MEHL
Client Address:	Hollywood Great, Nag's Head, Naul, Co. Dublin
Report Title:	Quarter 4, 2011 Groundwater and Surface Water Monitoring Report, Hollywood Inert Landfill (EPA Licence W0129-02)
Project Code:	MU0102

Project Manager (Name):	Louise O'Donnell
Project Manager (Sign):	
Project Manager (Date):	22/12/2011

Approved by Project Director (Name):	Dr. Conor Tonra
Approved by Project Director (Sign):	
Approved by Project Director (Date):	22/12/2011

Issue No.	Date	Status
01	22/12/2011	Final Version; Issue to Client and EPA

Notes/Comments:

Contents

Executive Summary	1
1.0 Introduction	2
2.0 Results	5
3.0 Discussion	18
4.0 Conclusion	20

Appendices

- Appendix 1: Calibration Records
- Appendix 2: Water Sampling Sheet
- Appendix 3: Chain of Custody Form
- Appendix 4: Laboratory Results

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. Sampling of groundwater (quarterly monitoring) and surface water (bi-annual monitoring) was carried out by Patel Tonra Ltd. at Hollywood inert landfill on the 1st December 2011 (Quarter 4, 2011) as required under Waste Licence W0129-02.
3. Results were compared against relevant legislative or guideline limit values, and trigger levels specific to the site, where relevant.
4. 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.
5. The following parameters were in excess of the limit value concentrations and/or EPA trigger levels for the site:

Reportable Incidents

- Ammoniacal Nitrogen exceeded the Drinking Water limit value in BH-8 and BH-12.
- Sulphate exceeded the Drinking Water limit value in BH-10A.
- Conductivity exceeded the Surface Water Regulations 1989 in SWD-6.

Non-Reportable 'Incidents'

- Manganese exceeded the Drinking Water limit value in BH-4A, BH-5, BH-6, BH-8 and BH-11A.

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