

**Groundwater and Leachate Monitoring Report for  
Hollywood Landfill (Waste Licence W0129-02)  
Quarter 1, 2009**

March 2009

**Murphy Environmental Hollywood Ltd.**

**Hollywood Landfill  
Nag's Head  
Naul  
Co. Dublin**

MU0102

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## Executive Summary

1. Murphy Environmental Hollywood Ltd holds an EPA Waste Licence (W0129-02) for the operation of an inert landfill at Hollywood Great, Nag's Head, The Naul, Co. Dublin.
2. Annual groundwater and leachate monitoring at Hollywood Landfill, was carried out by Patel Tonra on the 9<sup>th</sup> of February 2009 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'

- Sulphate exceeded the EPA trigger limit in BH-8 and BH-10A.
- Total Organic Carbon exceeded the EPA trigger level in BH-8.
- Conductivity exceeded the EPA trigger level in BH-8.
- pH breached the Drinking Water limit in BH-4A, BH-5, BH-8, BH-9 and BH-11A.
- Ammoniacal Nitrogen exceeded the Drinking Water limit in BH-8.
- Iron exceeded the Drinking Water limit in BH-8.
- Total Coliforms exceeded the Drinking Water limit in all boreholes.
- Faecal Coliforms exceeded the Drinking Water limit in BH-8 and BH-14.
- PAH exceeded the Drinking Water limit in BH-6, BH-8 and BH-9.

### Non-Reportable 'Incidents'

- Manganese exceeded the Drinking water limit 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. It is not considered, in light of the results reported, that leachate quality is having an impact on local water resources.

**For further information on the contents of this report or any issue related to the operation of Hollywood Landfill, please visit [www.murphyenvironmental.ie](http://www.murphyenvironmental.ie) or telephone the site at 01 8433744**