

**Groundwater and Surface Water Monitoring  
Report for Hollywood Landfill (Waste Licence  
W0129-02) Quarter 4, 2008**

December 2008

**Murphy Environmental**

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

MU0102

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## Executive Summary

1. Murphy Environmental (a division of Murphy Concrete Manufacturing 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. Quarterly groundwater and surface water monitoring at Hollywood Landfill was carried out by Patel Tonra on the 29<sup>th</sup> of October 2008 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 Drinking Water Regulations and EPA trigger levels:

### **Non-Reportable 'Incidents'**

- Manganese exceeded the Drinking water level in BH-6, BH-8 and BH-11A.
- Arsenic exceeded the Drinking water level in BH-9.

### **Reportable 'Incidents'**

- Sulphate exceeded the EPA trigger level in BH-8 and BH-10A.
  - Conductivity exceeded the EPA trigger level in BH-10A.
  - Sodium exceeded the Drinking Water level in BH-5.
  - pH breached the Drinking Water level in BH-5, BH-8 and BH-14.
  - Ammoniacal Nitrogen exceeded the Drinking Water level in BH-8.
  - Iron exceeded the Drinking Water level in BH-8.
5. Surface water analytical results were compared against the Surface Water Regulations, SI No. 294 of 1989 – The European Communities (Quality of Surface Water Intended for the Abstraction of Drinking Water) Regulations. There were no exceedences of the Surface Water Regulations.

**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**