

**Groundwater & Leachate Monitoring Report for  
Gormanston (Waste Licence W0151-01),  
Quarter 1, 2009**

March 2009

**Murphy Environmental**

**Sarsfieldstown  
Gormanston  
Co. Meath**

MU0103

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## Executive Summary

1. Murphy Environmental (a division of Murphy Concrete Manufacturing Ltd.) operates a restoration and recovery facility for inert waste at its site at Gormanston, Sarsfieldstown, Co. Meath. The site is an active sand and gravel pit. Restoring the site will serve to return it in line with pre-quarrying conditions and integrate it into the surrounding landscape.
2. In Quarter 1, 2009 quarterly monitoring of groundwater and leachate was carried out by Patel Tonra Ltd on the 17<sup>th</sup> and 18<sup>th</sup> of February as required under Waste Licence W0151-01.
3. 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 TW-2 and MW-4.
  - Chloride exceeded the EPA trigger level in MW-22.
  - Conductivity exceeded the EPA trigger level in MW-17, MW-19, MW-21 and MW-22.
3. Leachate monitored at the Gormanston site for Quarter 1, 2009 was found to be in exceedence of the Drinking Water Directive (98/83/EEC) limits for ammoniacal nitrogen in L-4, and has been consistently high at this location. L-1, L-2 and L-3 were dry.

For further information on the contents of this report or any issue related to the operation of the Gormanston facility, please visit [www.murphyenvironmental.ie](http://www.murphyenvironmental.ie) or telephone the site at 01 8496611