

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

May 2009

Murphy Environmental

**Gormanston
Sarsfieldstown
Gormanston
Co. Meath**

MU0103

Richard Mannion
Project Manager

Louise O'Donnell
Project Director

Table of Contents

Executive Summary	1
Introduction	2
Methodology	4
Results	6
Discussion & Conclusions	7

Appendices

Appendix 1: Environmental Dust, Laboratory Results

Appendix 2: Dust Monitoring Calculation

Figures

Figure 1: Dust Monitoring Locations

Executive Summary

1. Murphy Environmental (a division of Murphy Concrete Manufacturing Ltd.) operates an inert waste facility 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. The facility is licensed by the Environmental Protection Agency (EPA) and operates under Waste Licence W0151-01. The licensee (Murphy Environmental) must manage and operate the facility to ensure that the activities do not cause environmental pollution. Murphy Environmental is required to carry out regular environmental monitoring and submit all monitoring results to the EPA.
3. Environmental dust monitoring measures the level of airborne dust in and around the site, which may be generated by restoration activities and quarrying, traffic movements and other dust-generating activities around the site.
4. Dust deposition must be monitored at four locations within or around the site on a quarterly basis (i.e. four times per year). Dust monitoring for Quarter 1, 2009 was conducted between 17th of February and 19th of March 2009.
5. Dust monitoring results for D1, D2, D3 and D4 monitoring locations for Quarter 1, 2009 were in compliance with the licence limit for dust set in Waste Licence W0151-01.
6. Dust has been monitored at the site at four locations on 22 previous occasions, since Q4, 2003. The EPA licence limit of 350 mg/m²/day was only exceeded in four instances: at D1 in Q3, 2004, Q2, 2007 and Q3, 2007, and at D3 in Q2, 2007.

For further information on the contents of this report or any issue related to the operation of Gormanston Landfill, please visit www.murphyenvironmental.ie or telephone the site at 01 8496611