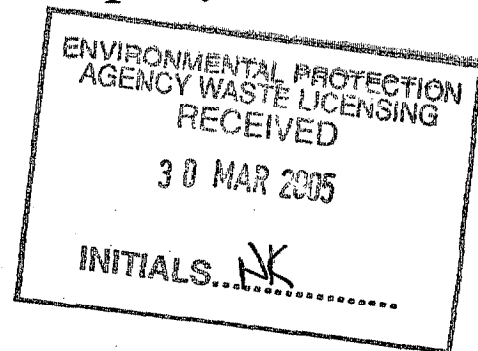


Midland Waste Disposal Company Ltd.,



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Section F

Control & Monitoring



Rev.	DESCRIPTION	DATE		
<p>BORD NA MÓNA</p> <p>BORD NA MÓNA ENVIRONMENTAL LIMITED</p> <p>Main St, Newbridge, Co. Kildare Phone 045 431201 Fax 045 432312 www.bnm.ie/environmental Email: ed.info@bnm.ie</p>				
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<p>Project: Waste Licence 131-1</p>				
<p>Client: Midland Waste Disposal Ltd</p>				
<p>Drawing Title: Environmental Monitoring</p>				
Date:	Scale (A3):	Drawn by:	Checked by:	Approved by:
20/03/05	nts	sc	FF	FF
<p>Status:</p> <p>PLANNING <input type="checkbox"/> FOR APPROVAL <input type="checkbox"/></p> <p>TENDER <input type="checkbox"/> FOR CONSTRUCTION <input type="checkbox"/></p> <p><input type="checkbox"/> AS BUILT <input type="checkbox"/></p>		<p>Dwg. No.</p>		

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Section F1

***Treatment, Abatement and Control
Systems***

F.1 EMISSIONS AND ABATEMENTa) *Atmosphere*

There are no abatement measures, other than good operational management and waste handling procedures, employed at the facility to control any emissions to the atmosphere.

b) *to Surfacewater/Sewer/Ground(water)*

The only active emission from facility is that of clean un-contaminated surface waters to ground. An oil interceptor (class I separator as described in the European Standards prEN858) is located in the north-west corner of the site along the clean surface water drainage system after the sedimentation trap and prior to discharge to ground point. Two shut off valves were also fitted to the drainage system, one prior to the sedimentation tank and one after the oil interceptor.

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Section F2

Air

F.2 AIR

Dust monitoring is carried out at the facility at 4 no. dust monitoring locations (D1, D2, D3, D4) as detailed below, as per *Schedule E (1) –Monitoring Dust* of the existing waste licence (reg. No. 131-1) . Dust deposition and dust directional monitoring is required three times a year (twice during May to September).

	Location	
D1	Southern boundary	(E286877, N269773)
D2	North west corner	(E286777, N269892)
D3	Northern boundary	(E286814, N269889)
D4	North east corner	(E286882, N269871)

The location of the monitoring stations are shown in Drawing Titled “Environmental Monitoring”

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Section F5

Groundwater

F.5 GROUNDWATER

Groundwater monitoring is carried out at the facility from the Kilsaran groundwater supply source (GW1 (E2868 N26990)) as detailed below, as per *Schedule E (3) –Groundwater Monitoring* of the existing waste licence (reg. No. 131-1) . There is no accessibility to the supply source and the sample is taken directly from the water tap within the wash room at the facility. This is carried out annually at the facility for the following parameters:

- pH (pH units)
- Conductivity @ 25°C (µS/cm)
- Ammonia-N (mg/l)
- TOC (mg/l)
- Chloride (mg/l)
- Sulphate (mg/l)
- Nitrite (mg/l)
- Nitrate (mg/l)
- TON mg/l N
- Selenium (mg/l)
- Silver (mg/l)
- Arsenic (mg/l)
- Chromium µg/l
- Manganese µg/l
- Nickel µg/l
- Copper µg/l
- Zinc µg/l
- Cadmium µg/l
- Barium µg/l
- Lead µg/l
- Sodium mg/l
- Magnesium mg/l
- Potassium mg/l
- Calcium mg/l
- Iron mg/l
- Boron µg/l
- Cadmium (mg/l)
- Barium (mg/l)
- Mercury µg/l
- Non purgeable organic Carbon (mg/l)
- USEPA VOC's (µg/l)
- Semi-VOC's
- Total & Faecal Coliforms

The location of the monitoring station are shown in Drawing titled “Environmental Monitoring”

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Section F6

Noise

F.6 NOISE

Noise monitoring is carried out annually at the facility at 6 no. noise monitoring locations (N1, N2, N3, N4, N5, and N6) as detailed below, as per *Schedule E (2) –Monitoring Noise* of the existing waste licence (reg. No. 131-1) .

TABLE F.6 Noise Monitoring at Midland Waste Disposal Ltd		
	Location	
N1	NE corner	E286882 N269871
N2	NW corner	E286745 N269895
N3	SW corner	E286794 N269750
N4	SE corner	E286872 N269761
N5	Noise Sensitive Location South of site	E286850 N269480
N6	Noise Sensitive Location NE of site	E28701 N26980

The location of the monitoring stations are shown in Drawing entitled "Environmental Monitoring".

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