



Appendix B.8.1
Notification to HSA re. European Communities
(Control of Major Accidents involving Dangerous
Substances) Regulations 2006

*For inspection purposes only.
Consent of copyright owner required for any other use.*



Murphy Environmental Hollywood Ltd

Hollywood Great, Nag's Head, Naul, County Dublin
T: 01-8433744 F: 01-8433747 W: www.mehl.ie
EPA Waste Licence W0129-02

Health and Safety Authority
c/o Mr. Martin O'Halloran
Chief Executive
Health and Safety Authority
The Metropolitan Building
James Joyce Street Dublin 1

8th December 2010

Re. European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006

Dear Sir,

Murphy Environmental Hollywood Ltd. (MEHL) is making an application to An Bord Pleanála in respect of a Strategic Infrastructure Development for a proposed Integrated Waste Management Facility at Hollywood Great, Nag's Head, Naul, Co. Dublin.

The site is a former quarry and is currently operating as an EPA-licensed landfill (Licence No. W0129-02), under planning permissions Register Refs. F04A/0363 and F07A/0262. The facility currently accepts construction and demolition and other inert wastes. It is proposed that the facility will be developed for the acceptance and landfilling of non-biodegradable inert, non-hazardous and hazardous wastes.

In accordance with the provisions of the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006, please find attached information required as *Schedule 3, Information to be Included in a Notification to the Central Competent Authority.*



Directors: Seamus Murphy (Managing Director), Patricia Rooney, Rory Murphy, Emma Murphy
Reg. Office: Hollywood Great, Nag's Head, Naul, County Dublin
Reg. No. 448931 VAT No. IE 9677893C



Murphy Environmental Hollywood Ltd

This document will form part of planning application documentation to An Bord Pleanála. HSA is a prescribed body for the planning application process, and will receive a full copy of all application documentation.

Yours sincerely,

Ms Patricia Rooney
Director & General Manager, MEHL

For inspection purposes only.
Consent of copyright owner required for any other use.

Schedule 3 of SI 74 of 2006

Information to be Included in a Notification to the Central Competent Authority

- (a) The name or trade name of the operator and the full address of the establishment concerned;
Murphy Environmental Hollywood Limited (MEHL)
Hollywood Great, Nag's Head, Naul, Co Dublin
- (b) the registered place of business of the operator, with the full address;
As (a) above
- (c) the name or position of the person in charge of the establishment, if different from (a);
Patricia Rooney, Director and General Manager
- (d) information sufficient to identify the dangerous substances or category of substances involved;
- (e) the quantity and physical form of the dangerous substance or substances involved;

The Flue Gas Treatment residue (ash) to be disposed of at the MEHL facility is classified as N, R51/53, principally because of the concentration of heavy metals in the ash. The composition of incinerator ash has been reported by various publications and operators. A report by the European Environment Agency (EEA) (Technical report No 38 Dangerous substances in waste, February 2000), gives information on the composition of solid wastes from Municipal Waste Incineration, and this forms the basis of the classification as N, R51/53.

There will be diesel oil stored onsite. The maximum quantity of diesel oil stored will be 7,500 litres or 6.26 tonnes.

Table 1 shows that the total inventory of flue gas treatment residues present is sufficient for the MEHL Solidification Plant process to qualify as a lower tier site.

The regulations require that an addition rule be applied to take account of substances in similar Risk Categories. The first grouping relates to the toxic properties of substances, the second grouping relates to the risks of fires or explosions and third grouping relates to materials classified as dangerous to the environment. In this case the only Seveso substances are classed as risk of fires or explosions and dangerous to the environment (eco-toxic).

The categories to be combined together with the numerical outcome of the addition exercise are shown in Table 2.

Schedule 3 of SI 74 of 2006

Information to be Included in a Notification to the Central Competent Authority

Table 1: Quantities of Seveso Substances.

Substance	Risk Phrases	Classification	Physical Form	Maximum Quantity Stored	Units	m3/ tonne	Maximum Quantity in Storage (tonnes)	Lower Tier Threshold (tonnes)	Top Tier Threshold (tonnes)	Fraction of LT Threshold	Fraction of TT Threshold	
Named Substances												
Diesel oil	R40, R65, R66, R51/53	Xn, N	Liquid	7.5	m3	1.212	6	2500	25000	0.0025	0.0002	
Dangerous to the Aquatic Environment - N - R 50/53												
Total												
									100	200	0.0000	0.0000
Dangerous to the Aquatic Environment - N - R 51/53												
FGT Residues	R20/R21/R22, R51/53	N, Xn	Powder	392	m3	1.667	235					
Total												
							235	200	500	1.176	0.4704	
Flammable (R10)												
Total												
								5000	50000			
Highly Flammable (R11)												
Total												
							0	5000	50000	0	0	
Extremely Flammable (R12)												
Total												
							0	10	50	0	0	
Oxidising (R7, R8, R9)												
Total												
							0.00	50	200	0	0	

Table 2: results from Application of the Addition Rule from SI74 of 2005

Addition Rule	Categories	Lower Tier	Upper Tier
q/Q Categories 1, 2	Very Toxic, toxic	n/a	n/a
q/Q Categories 3, 4, 5, 6, 7a, 7b, 8	Explosive, flammable, highly flammable, extremely flammable, oxidising	0.0025	0.0002
q/Q Category 9 + Petroleum Products	Dangerous for the Environment + Petroleum Products	1.1760	0.4704

Since the total inventory of materials in the eco toxic category is greater than 1.0, when based on the threshold values in Column 3 of Part 2 of Annex 1 of the Regulations, the site qualifies as a Lower Tier site. The table shows that the site does not contain enough dangerous substances to qualify as an Upper Tier Seveso site.

Schedule 3 of SI 74 of 2006

Information to be Included in a Notification to the Central Competent Authority

- (f) the activity or proposed activity of the installation or storage facility;
Integrated waste management facility (Landfill) including a solidification plant.
- (g) the immediate environment of the establishment (elements liable to cause a major accident or to aggravate the consequences thereof);
The immediate environment is predominantly rural with scattered residences and local businesses. There are no other Seveso 2 sites located in the immediate environment of the establishment.
- (h) the name of any establishment in proximity where the likelihood and the possibility or consequences of a major accident may be increased because of its location and inventory of dangerous substances;
None
- (i) a map at a scale of not less than 1:5000 and clearly showing the location and boundary and the immediate environment as set out in paragraph (g) of this Schedule.
Please find attached site location map. A full set of drawings will accompany the planning application.

*For inspection purposes only.
Consent of copyright owner required for any other use.*

315056



258615

316716

258615

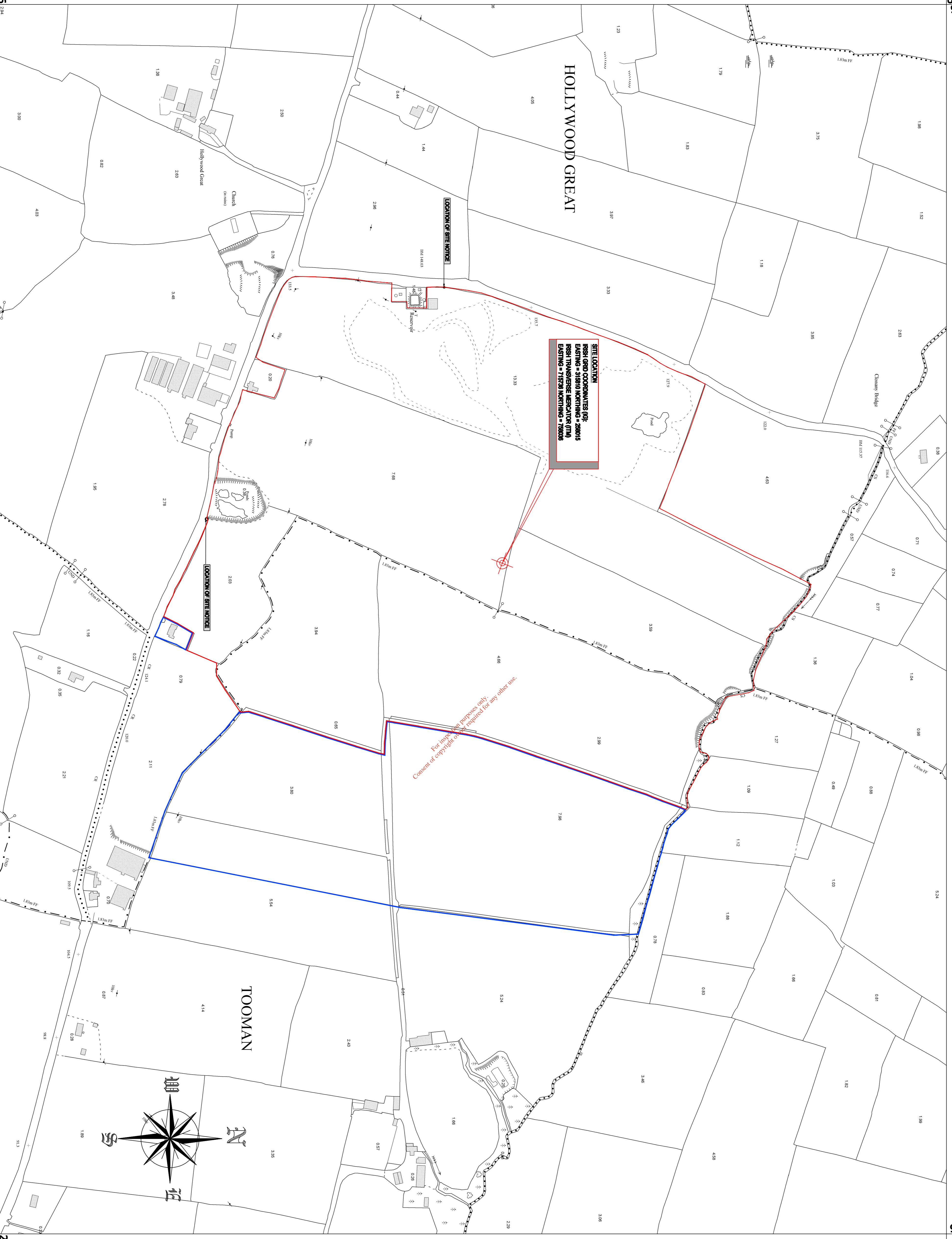
GENERAL NOTES:
 DRAWING TO BE READ IN CONJUNCTION
 WITH ALL RELEVANT DRAWINGS.
 DO NOT SCALE THIS DRAWING - USE
 FIGURED DIMENSIONS ONLY.

LEGEND:-

	Adjoining Lands in Control of MEHL
	Proposed Planning & EPA Waste Licence Boundary
	ITM CENTRE PT CO-ORDINATES 715736,758036

**ORDNANCE SURVEY MAP SHEETS
 1:2500**

- 2720-A
 REVISION DATE = 07-MAR-2007
 SURVEY DATE = 01-MAY-1993
 LEVELLED DATE = 31-DEC-1990
- 2719-B
 REVISION DATE = 07-JUN-2007
 SURVEY DATE = 01-JAN-1996
 LEVELLED DATE = 31-DEC-1991
- 2719-D
 REVISION DATE = 07-FEB-2007
 SURVEY DATE = 01-SEP-1996
 LEVELLED DATE = 31-DEC-1990
- 2720-C
 REVISION DATE = 07-MAR-2007
 SURVEY DATE = 01-JUN-1993
 LEVELLED DATE = 31-DEC-1990



SITE LOCATION
 RISH GRID COORDINATES (G)
 EXISTING = 51810 NORTHING = 288015
 RISH TRANSVERSE MERIDIAN (TM)
 EXISTING = 715736 NORTHING = 758036

For any other proposed works, please contact the relevant authority.
 Consistent of copyright and not to be reproduced in any other way.

SCALE 1:2500

257336

315056

257336

Client:	Municipal Environmental Hollywell Ltd
Project:	MEHL INTEGRATED WASTE MANAGEMENT FACILITY
Location:	HOLLYWOOD GREAT, NAGS HEAD NAUL, CO. DUBLIN
Title:	SITE LOCATION MAP
Project Name: PP	Drawing No.: 03
Study Name: STD	Version No.: 02
Section: -	Date: 26 October 2010
WVG Job Number: 000781	SCALE: A1(1:2500)
Created By: CF	Reviewed By: JD
Sign Off By: HB	
File Name: PP_SID_03_01	
Old Bridge House, Strand Street, Athlone, Co. Wick. Tel: (050) 676766 Email: info@wvg.ie	WVG (Engineering) Ireland Ltd.
ARUP patel tonra environmental solutions	MARSHALL PLANNERS Town Planning Consultants