



Appendix 1:

Correspondence to/from the HSA post the application to the EPA for a Waste Licence (December 2010)

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Appendix 1.1:

**HSA Correspondence – COMAH notification
(21/01/11); HSA request for technical advice
(21/01/11) and MEHL responses (04/02/11 and
11/03/11)**

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HEALTH AND SAFETY
AUTHORITY

HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Ms. Patricia Rooney,
Murphy Environmental Hollywood Ltd,
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

21 January 2011

	Murphy Environmental Hollywood Ltd.
24 JAN 2011	
File Ref:	436
Action By:	KR, PR, KM, LOD
Act taken:	KR, PR, KM, LOD
Closed:	GE

**European Communities (Control of Major Accident Hazards Involving
Dangerous Substances) Regulations 2006, S.I. No. 74 of 2006**

Regulation 11 - Notification

Dear Ms. Rooney,

I am writing to acknowledge receipt of your letter dated 8 December 2010, and accompanying notification for

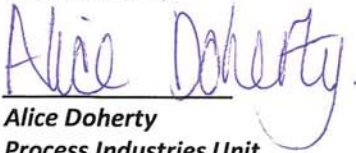
Establishment Name Murphy Environmental Hollywood Limited

Establishment address Hollywood Great, Nag's Head, Naul, Co. Dublin.

I understand the proposed establishment is the subject of a current application for planning permission to An Bord Pleanála in respect of developments classified as strategic infrastructure development. I suggest the notification be progressed when the outcome of the application has been determined.

If you have any queries please contact the undersigned.

Yours sincerely,



Alice Doherty
Process Industries Unit



HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Ms. Patricia Rooney,
Murphy Environmental Hollywood Ltd,
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

21 January 2011

	Murphy Environmental Hollywood Ltd.
24 JAN 2011	
File Ref:	H.3.6
Action By:	KE, PR, KM, LDD
Act Taken:	KR, PR, KM, LDD
Closed:	CE

Re: Integrated waste management facility for the acceptance and landfilling on non-biodegradable inert, non-hazardous and hazardous waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

Request for Technical Advice in Respect of a Proposed Strategic Infrastructure Development

Dear Ms. Rooney,

The Authority, acting as the Central Competent Authority under the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2006 (SI 74 of 2006), gives technical advice to the planning authority when requested, under regulation 27(1) in relation to

- (a) the siting of new establishments,
- (b) modifications to an existing establishment to which Article 10 of the Directive applies, or
- (c) proposed development in the vicinity of an existing establishment.

In order to provide technical advice in relation to the above request, the Authority requires the following matters to be addressed in accordance with SI 74 of 2006:

1. Clarify the major accident hazard scenarios in terms of source-pathway-receptor.
2. Provide additional detail on the measures for mitigating the consequences of major accidents involving loss of incinerator ash.
3. Provide CAS numbers for diesel oil and FGT residues.
4. Confirm that the figures listed in the column labeled "m³/tonne" in Table 1 of the notification are correct.

5. Confirm that the figures listed in the column labeled "maximum quantity in storage (tonnes)" in Table 1 of the notification are correct.
6. In Table 1 of the notification, the "maximum quantity in storage (tonnes)" for FGT residues is listed as 235. On the basis of the information presented on page 117 of the EIS Main Text (Document 8 of 11), it would appear the quantity is 250.5 tonnes. Clarify the maximum quantity of FGT residues which are likely to be present at any one time.
7. Confirm that the addition rule calculations in Table 2 of the notification are correct.
8. Explain the sentence on page 117 of the EIS Main Text (Document 8 of 11) "Mixtures of flue gas treatment residues & other materials are not classified as hazardous to the aquatic environment, whether uncured, partially cured or totally cured."
9. Provide details of any Seveso establishments in the vicinity of the above-mentioned proposed development (including those for which planning permission has been granted but which have yet to commence operation).

If you have any queries please do not hesitate to contact me at 01 6147143.

Yours sincerely,


Alice Doherty
Process Industries Unit

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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

Ms Alice Doherty
Process Industries Unit
HSA Head Office
Metropolitan Building
James Joyce Street
Dublin 1

4th February 2011

Re.: Proposed Integrated Waste Management Facility at Murphy Environmental Hollywood Ltd. Response to HSA Request for Technical Advice

Dear Ms. Doherty

Thank you for your letter dated 21st January 2011 requesting technical advice in respect of a proposed Strategic Infrastructure Development.

Murphy Environmental Hollywood Ltd (MEHL) lodged an application in respect of a Strategic Infrastructure Development for a proposed Integrated Waste Management Facility at Hollywood Great, Nag's Head, Naul, Co. Dublin to An Bord Pleanála on 10th December 2010 (An Bord Pleanála ref: PL06F.PA0018).

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.

Please find attached requested details.

Yours sincerely

Patricia Rooney,
Director & General Manager, MEHL
(Drawings Enclosed)



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

Introduction

Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances as amended by 2003-105-EC is known as the Seveso Directive or COMAH Directive. This Directive has been transposed into Irish law by the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006 (S.I. No. 74 of 2006).

The objectives of the Directive are to minimise the risk of major accidents by applying loss prevention techniques to projects from the design stage onwards, and by providing appropriate mitigation measures to minimise the consequences of those major accidents that may occur. These objectives have been inherent in the design of the MEHL facility and therefore measures identified for mitigating the consequences of major accidents involving loss of incinerator ash are minimised.

The storage silos, road tanker and curing area will be located within a contained area, so that any loss of containment will be prevented from entering watercourses etc. The storm water from the contained area will discharge to a hazardous waste leachate holding tank and used in the solidification process as described above.

Mixtures of flue gas treatment (FGT) residue and other materials are not classified as hazardous to the aquatic environment, whether uncured, partially cured or totally cured.

FGT residue and other incinerator ashes are not toxic to humans.

Aqueous hydrochloric acid will be stored in a bonded tank.

Small quantities of diesel oil will be stored in contained tanks for heating of facility buildings and for refuelling site vehicles.

The physical form of the cured solidified waste and the containment measures adopted for other materials will ensure that the risk of a major accident is infinitesimal.

Specific Responses to HSA Letter of the 21st January 2011 seeking information with regard to the Request for technical advice in respect to a proposed Strategic Infrastructure Development.

1. Clarify the major accident hazard scenarios in terms of source-pathway-receptor.

Potential major accidents at the proposed development have been identified as the following:

- A. Loss of containment of incinerator ash from road tanker at the facility.
- B. Loss of containment of incinerator ash storage silo.
- C. Fire in Process Building
- D. Loss of containment of hydrochloric acid (not a Seveso material)
- E. Loss of containment of diesel oil

A. Loss of containment of incinerator ash from road tanker at the facility.		
Source	Loaded road tanker containing FGT Residue – loss of containment (e.g. hose failure, connection failure). Spillage of FGT Residue dust to ground.	
Pathway	Rain/precipitation: heavy metal salts dissolved in water, which flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Dust rendered airborne by wind (“windblow”), carried by wind, deposited by settling or rained out; heavy metal salts absorbed by vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Vegetation, surface water or ground water

B. Loss of containment of incinerator ash storage silo		
Source	Incinerator Ash Storage Silo containing FGT Residue – loss of containment (e.g. catastrophic vessel failure, connection failure). Spillage of FGT Residue dust to ground.	
Pathway	Rain/precipitation: heavy metal salts dissolved in water, which flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Dust rendered airborne by wind (“windblow”), carried by wind, deposited by settling or rained out; heavy metal salts absorbed by surface vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Surface vegetation, surface water or ground water

C. Fire in Solidification Plant Building		
Source	Fire within Solidification Plant Building leading to loss of containment of FGT residue.	
Pathway	Fire water may be contaminated with heavy metals salts. Contaminated fire water flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	FGT residue dust carried in smoke plume, carried by wind, deposited by settling or rained out; heavy metal salts absorbed by surface vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Surface vegetation, surface water or ground water

D. Loss of containment of hydrochloric acid		
Source	Hydrochloric acid will be stored in a tank on site for use in the solidification process. The source of an accident would be leak from tank or tank collapse.	
Pathway	Rain/precipitation – acid flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Hydrogen chloride gas released from acid and carried by wind, deposited by dissolution on wet surfaces, including vegetation, or rained out and washed to ground or surface water
Receptor	Surface water or ground water	Surface vegetation, surface water or ground water

E. Loss of containment of diesel oil		
Source	6 tonnes of diesel oil will be stored on site in a bunded tank. The source of an accident could be leakage from the tank or tank collapse followed by bund failure..	
Pathway	Diesel oil flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	
Receptor	Surface water or ground water	

2. Provide additional detail on the measures for mitigating the consequences of major accidents involving loss of incinerator ash.

As part of the technical information submitted in the Waste Licence Application for the proposed facility detailed operating procedures for the management of all operations including the operation of the solidification plant were provided. Raw material handling procedures, bunding, spill/accident control measures and firewater control measures are provided. This technical information augments information provided in the Environmental Impact Statement.

The objectives set out in the Seveso Directive, for minimising the risk of major accidents through prevention, being inherent in the design stage have been applied during the design of the MEHL facility. Therefore procedural measures required or necessitated for mitigating the consequences of major accidents involving loss of incinerator ash are minimised.

Solidification Design and Operation:

The solidification plant has been designed with reference to best practice and European experience. It is designed as a fully enclosed system, with delivery tankers discharging waste directly to dedicated storage silos, via a controlled manifold and fully enclosed pumping operation. The unloading operation will take place within the solidification plant building only when the building's automatic roller doors are closed. The operation will be controlled and supervised by a MEHL trained member of staff.

An inspection and preventative maintenance programme will be implemented at the solidification plant.

The design of the solidification plant includes a 600mm thick reinforced concrete floor slab on a 2mm welded HDPE liner on 50mm sand blinding layer. The floor design of the storage building is reinforced concrete 200mm thick over a 2mm HDPE liner. The floor will incorporate floor drains, which will remove any run-off collected via a sealed collection system to a HDPE lined pump sump for storage in the hazardous leachate holding tank, pending reuse in the solidification process.

Storage of raw materials, products and waste

Cement will be imported to the site as a raw material for the solidification process. Waste ash material from other sources, where available, could also be used in the solidification process, as the pozzolanic properties of such ash material could reduce the quantities of cement required in the process. The material will be delivered in contained vehicles and discharged directly to a dedicated storage silo. From here, the material will be used directly in the solidification process.

Acid (HCl) will be imported to the site as a raw material for the solidification process. The material will be delivered in contained vehicles and discharged directly to a bunded acid storage tank. From here, the material will be used directly in the solidification process.

Diesel will be imported to the site as a fuel for plant and vehicles. The material will be delivered in contained vehicles and discharged directly to a bunded diesel storage tank.

Leachate will be stored in HDPE-lined, concrete leachate holding tanks. There will be separate holding tanks for leachate from the hazardous cells and leachate from the non-hazardous cells.

In relation to the flue gas treatment (FGT) residue waste stream, delivery vehicles will discharge to the silos in the solidification plant building and exit the facility via the wheelwash and weighbridge. The mixing of the FGT residue, cement and water/leachate will be automatically controlled and the mix will discharge to IBC bags.

Design proposals make provision for conveying the IBC bags to the adjacent storage building either at surface level by vehicle (e.g. forklift), or via an underground conveying system.

MEHL vehicles, dedicated for use on this site, will be used to transport solidified material from the storage building to the landfill cell.

The transportation of diesel on site will be minimised by moving plant and vehicles to the bunded diesel storage area for refuelling, wherever feasible. Alternatively, a double-skinned mobile fuel bowser may be employed, to be stored at the bunded fuel storage area when not in use.

Bunding, surface treatment, collection systems

Bunded tanks are proposed for the diesel and acid storage areas. Bunds will be designed with reference to appropriate EPA and quality assurance standards, and bund integrity tests will be completed as per EPA requirements (currently every three years).

Spill/emergency containment

The site is currently equipped with emergency spill kits. New emergency containment equipment will be installed to address potential spillage at the bunded fuel and acid storage areas.

It is proposed to install emergency surface water shut-off valves prior to the discharge point from the wetland area in the north-east of the site, and at the detention basin outlet after the Class I interceptor adjacent to the new facility control area in the south-east of the site.

FGT residues will be brought to the facility in enclosed vehicles and will be discharged into silos within the Solidification Building. All other handling of FGT residues will be within the Solidification Building. Therefore if there is any uncontrolled spillage it will be contained within the building and will be cleaned or vacuumed up. In the extremely unlikely event that there is an uncontrolled loss of FGT residue outside the building, the emergency surface water shut off valve will be activated to prevent discharge of surface water and any lying FGT residue on the ground will be cleaned/vacuumed up without delay using spill kits or other appropriate equipment.

Possible contamination of ground, groundwater, or surface water from firewater run-off

Although the risk of fire at the site will be low, the management of contaminated water arising from a fire has been included in the surface water management system. Should a fire occur within a cell or at the waste quarantine area, any water used to fight the fire will be contained in the cell and the firewater will be managed within the leachate management system.

In the event that a fire occurs at the solidification plant, contaminated water generated in fighting the fire will drain to the leachate pumping sump. This sump and the kerbing around the hard paved area around the solidification plant will have sufficient capacity to store contaminated water for the duration of any likely fire. In the event of a major fire, any excess water arising would be temporarily pumped to leachate holding tanks. Any fires arising at the administration building will be dealt with in the same manner as a typical office development.

The overall site layout and the layout of the solidification plant area are provided in the following drawings.

Proposed Site Layout Plan, Sheets 1 of 7; 3 of 7; and 5 of 7 (Drawing Ref. PP-SID-05)

Proposed Control Area Layout and Access Road Long Section (Drawing Ref. PP-SID-06)

Solidification Plant – Sheets 1 of 2; and 2 of 2 (Drawing Ref. PP-SID-09).

3. Provide CAS numbers for diesel oil and FGT residues.

Diesel Oil:	68334-30-5
FGT Residues:	Mixed, need analysis on a case by case basis

4. **Confirm that the figures listed in the column labelled "m³/tonne" in Table 1 of the notification are correct.**

The figures for m³/tonne for diesel oil and FGT residues are correct. The figures are the inverse of the bulk densities of these substances: 0.825 t/m³ and 0.667 t/m³ respectively.

Confirm that the figures listed in the column labelled "maximum quantity in storage (tonnes)" in Table 1 of the notification are correct.

The figures in Table 1 of the Notification have been amended to agree with those on page 117 of the EIS Main text. A copy of the revised Table is attached.

5. **In Table 1 of the notification, the "maximum quantity in storage (tonnes)" for FGT residues is listed as 235. On the basis of the information presented on page 117 of the EIS Main Text (Document 8 of 11), it would appear the quantity is 250.5 tonnes. Clarify the maximum quantity of FGT residues which are likely to be present at any one time.**

The figures in Table 1 of the Notification have been amended to agree with those on page 117 of the EIS Main text. A copy of the revised Table is attached.

6. **Confirm that the addition rule calculations in Table 2 of the notification are correct.**

The figures in Table 1 of the Notification have been amended to agree with those on page 117 of the EIS Main text. A copy of the revised Table is attached.

7. **Explain the sentence on page 117 of the EIS Main Text (Document 8 of 11) "Mixtures of flue gas treatment residues & other materials are not classified as hazardous to the aquatic environment, whether uncured, partially cured or totally cured."**

The mixtures referred to are mixtures of the FGT residues with cement and other materials prepared prior to disposal at the facility. The concentration in the mixture of materials prepared for disposal that are classified as hazardous to the aquatic environment is below the threshold specified in Directive 1999/45/EEC at which the entire mixture becomes classified as hazardous to the aquatic environment.

8. **Provide details of any Seveso establishments in the vicinity of the above-mentioned proposed development (including those for which planning permission has been granted but which have yet to commence operation).**

No Seveso establishments in the vicinity of the proposed development have been identified.

Table 1 - List of Substances and Preparations **MEHL Waste Disposal Facility**
Seveso II Directive (as implemented by SI No 74 of 2006 European Communities (Control of Major Accident Hazard Involving Dangerous Substances) Regulations 2006)

1	Substance	CAS No	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
2	Named Substances												
3													
4	Diesel oil	68334-30-5	R40, R65, R66, R51/53	Xn, N	Liquid	7.5	m3	1.198	6	2500	25000	0.0025	0.0003
5	Dangerous to the Aquatic Environment - N - R 50/53												
6	Total								0	100	200	0.0000	0.0000
7	Dangerous to the Aquatic Environment - N - R 51/53												
8													
9	FGT Residues		R20/R21/R22, R51/53, R61	N, Xn	Powder	418	m3	1.667	251				
10	Total								251	200	500	1.2525	0.501
11	Flammable (R10)												
12	Total								0	5000	50000	0	0
13	Highly Flammable (R11)												
14	Total								0	5000	50000	0	0
15	Extremely Flammable (R12)												
16	Total								0	10	50	0	0
17	Oxidising (R7, R8, R9)												
18	Total								0.00	50	200	0	0
19	q/Q Categories 1, 2				Very Toxic, toxic							n/a	n/a
20	q/Q Categories 3, 4, 5, 6, 7a, 7b, 8				Explosive, flammable, highly flammable, extremely flammable, oxidising							0.0025	0.0003
21	q/Q Category 9 + Petroleum Products				Dangerous for the Environment + Petroleum Products							1.2550	0.5013

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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 WO129-02

Ms Alice Doherty
HSA
Metropolitan Building
James Joyce Street
Dublin 1

11th March 2011

Dear Ms Doherty,

Further to your visit to MEHL on 9th March 2011, we enclose additional information.

Arup have revised the tables of the Source-Pathway-Receptor models for the five loss of containment scenarios previously advised to the HSA to include failure rates, means of prevention and means of mitigation.

Arup have included a generic failure rate for static storage vessels of 10^{-6} per vessel per year, as recommended in the HSA Land-Use Planning Guidance (September 2009).

It is assumed that road tankers are designed to similar standards as static storage tanks. However, road tankers will not be present on site continuously. Based on 2,000 deliveries per year with a payload of 25 tonnes per road tanker and a time on site with full load of 2 hours per delivery we estimate that the risk of loss of containment of a road tanker of FGT residue is 5×10^{-7} per year. This is an absolute "worst case" estimate based on the maximum annual intake FGT tonnages and maximum duration on site.

We have developed Emergency Response Procedures for the current licensed operations at the facility. These will be reviewed and revised to include activities and accident scenarios related to the proposed development. The revised ERP will be completed 6 months before operations commence.

Regarding diesel oil, you are quite correct in identifying R40 as the only risk phrase that has been allocated by the EC to diesel oil with CAS No 68334-30-5 under the CLP Regulation No 1272/2008 on Classification, Labelling and Packaging of substances and mixtures.

However, for oil-derived substances, the EC only prescribes the risk phrases where a substance is "of particular concern" (carcinogens, mutagens, substances toxic for reproduction and respiratory sensitisers). The remaining hazards should be "self-classified" by the manufacturer or supplier to complete the classification. R40 is "Limited evidence of a carcinogenic effect". The manufacturer or supplier is required to assess other hazards, including hazards to the aquatic environment and allocate the appropriate risk phrases. This is what our supplier Texaco has done in the attached Safety Data Sheet.



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

Therefore we are satisfied that the classification previously advised is correct.
Please contact me if you wish to discuss this further.

Yours sincerely,

| Ken Rooney | Landfill Manager |

| Murphy Environmental Hollywood Ltd. | EPA Waste Licence W0129-02 |

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Major accident hazard scenarios

Potential major accidents at the proposed development have been identified as the following:

- A. Loss of containment of incinerator ash from road tanker at the facility.
- B. Loss of containment of incinerator ash storage silo.
- C. Fire in Process Building
- D. Loss of containment of hydrochloric acid (not a Seveso material)
- E. Loss of containment of diesel oil

A. Loss of containment of incinerator ash from road tanker at the facility.		
Probability of Scenario	5 x 10 ⁻⁷ per year	
Source	Loaded road tanker containing FGT Residue – loss of containment (e.g. hose failure, connection failure), including FGT loss between the entrance to the facility and the entrance to the solidification plant.. Spillage of FGT Residue dust to ground.	
Pathway	Rain/precipitation: heavy metal salts dissolved in water, which flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Dust rendered airborne by wind (“windblow”), carried by wind, deposited by settling or rained out; heavy metal salts absorbed by vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Vegetation, surface water or ground water
Prevention Measures	<ul style="list-style-type: none"> • Speed limits • Tankers designed to appropriate standards • Tanker drivers given appropriate training • No unsupervised acceptance of waste to the facility 	
Mitigation Measures	<ul style="list-style-type: none"> • ERP procedures 	

B. Loss of containment of incinerator ash storage silo	
Probability of Scenario	10 ⁻⁶ per vessel per year
Source	Incinerator Ash Storage Silo containing FGT Residue – loss of containment (e.g. catastrophic vessel failure, connection failure).

	Spillage of FGT Residue dust to ground.	
Pathway	Rain/precipitation: heavy metal salts dissolved in water, which flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Dust rendered airborne by wind (“windblow”), carried by wind, deposited by settling or rained out; heavy metal salts absorbed by surface vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Surface vegetation, surface water or ground water
Prevention Measures	<ul style="list-style-type: none"> • Design of silos to appropriate standards • Certification of silos and periodic re-certification • Preventative maintenance techniques and procedures • Location of solidification plant including silos below grade 	
Mitigation Measures	<ul style="list-style-type: none"> • Surface water infrastructure containment – capacity is 285.41m³ • ERP procedures 	

C. Fire in Solidification Plant Building		
Probability of Scenario	No data available for estimating probability of fire in this type of building.	
Source	Fire within Solidification Plant Building leading to loss of containment of FGT residue.	
Pathway	Fire water may be contaminated with heavy metals salts. Contaminated fire water flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	FGT residue dust carried in smoke plume, carried by wind, deposited by settling or rained out; heavy metal salts absorbed by surface vegetation or washed to ground or surface water
Receptor	Surface water or ground water	Surface vegetation, surface water or ground water
Prevention Measures	<ul style="list-style-type: none"> • Minimisation of quantities of combustible material in building • Design and installation of electrical services to appropriate standards • Control of sources of ignition (no smoking, hot work permit procedures) • Portable fire extinguishers, hose reels • Location of solidification plant including silos below grade 	

Mitigation Measures	<ul style="list-style-type: none"> • Surface water infrastructure containment – capacity is 285.41m³ • ERP procedures
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D. Loss of containment of hydrochloric acid			
Probability of Scenario	10 ⁻⁶ per vessel per year		
Source	Hydrochloric acid will be stored in a tank on site for use in the solidification process. The source of an accident would be leak from tank or tank collapse.		
Pathway	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Rain/precipitation – acid flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)</td> <td style="width: 50%; padding: 5px;">Hydrogen chloride gas released from acid and carried by wind, deposited by dissolution on wet surfaces, including vegetation, or rained out and washed to ground or surface water</td> </tr> </table>	Rain/precipitation – acid flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Hydrogen chloride gas released from acid and carried by wind, deposited by dissolution on wet surfaces, including vegetation, or rained out and washed to ground or surface water
Rain/precipitation – acid flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)	Hydrogen chloride gas released from acid and carried by wind, deposited by dissolution on wet surfaces, including vegetation, or rained out and washed to ground or surface water		
Receptor	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Surface water or ground water</td> <td style="width: 50%; padding: 5px;">Surface vegetation, surface water or ground water</td> </tr> </table>	Surface water or ground water	Surface vegetation, surface water or ground water
Surface water or ground water	Surface vegetation, surface water or ground water		
Prevention Measures	<ul style="list-style-type: none"> • Procurement of storage tank and handling facilities to appropriate standards • Preventive maintenance system 		
Mitigation Measures	<ul style="list-style-type: none"> • Surface water infrastructure containment – capacity is 285.41m³ • ERP procedures 		

E. Loss of containment of diesel oil	
Probability of Scenario	10 ⁻⁶ per vessel per year
Source	6 tonnes of diesel oil will be stored on site in a bunded tank. The source of an accident could be leakage from the tank or tank collapse followed by bund failure..
Pathway	Diesel oil flows to ground through soil or via site drainage to off-site surface water (stream along north side of facility)
Receptor	Surface water or ground water
Prevention Measures	<ul style="list-style-type: none"> • Procurement of tank to appropriate standards • Preventive maintenance • Supervised filling of tank • Provision of bunding for tank with capacity of at least 110% of

	capacity of tank
Mitigation Measures	<ul style="list-style-type: none">• Surface water infrastructure containment – capacity is 285.41m³• ERP procedures

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Appendix 1.2:
HSA Correspondence – MEHL COMAH notification
(29/02/12); HSA acknowledgement (02/03/12)

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From: Ken Rooney
To: "chemicals@hsa.ie"
Cc: "[Alice Doherty](#)"
Bcc: [Patricia Rooney](#); "[Louise O' Donnell](#)"
Subject: HSA - COMAH Notification
Date: 29 February 2012 12:34:00
Attachments: [MurphyEnvironmentalHollywoodLtd.notification.24Feb2012.pdf](#)
[PP_WLA_04_01_Site_Location_Map_Sht_2_of_2.pdf](#)

To whom it concerns,

Please find attached the COMAH Notification information as requested by Alice Doherty on 24th January 2012.

Please note that the proposed activity is the subject of an application to the EPA for a waste licence and has not commenced.

Regards,

Ken

| Ken Rooney | Chartered Engineer | Landfill Manager |

| **Murphy Environmental Hollywood Ltd.** | EPA Waste Licence W0129-02 |

| Hollywood Great, Nag's Head, Naul, Co. Dublin | T +353 (0)1 8433744 | F +353 (0)87 9824322 |

| ken@mehl.ie | www.mehl.ie |



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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

Notes

1. There is no statutory requirement for operators of COMAH establishments to use this form when submitting notifications to the Central Competent Authority (CCA). However you are encouraged to use this format, as it will help you to provide the relevant information and will assist the CCA to work in an efficient and effective manner. If you complete all the relevant sections of both Parts A and B, then no covering letter or further information should be required.

2. Part A of the form covers statutory information which must be provided to the CCA and will normally be placed on the HSA website. However, if you have reasonable grounds to believe that any of the information should be excluded for national security reasons, or is personally or commercially confidential, **please indicate those parts by enclosing them in square brackets. Please do not use square brackets for any other purpose in the notification.**

3. Part B of the form should also be completed if you wish to have certain information excluded from the HSA website which is commercially or personally confidential, or if its inclusion would be contrary to the interests of national security. See Regulation 34 of COMAH ([Comah Regulations](#)) for details of what potentially may be excluded. This information should be supplied on Part B of the form including a justification for its exclusion, which, once accepted, will not be placed on the HSA website but retained for use by the CCA.

4. For confidentiality issues, application for exclusion of parts of the notification should be made to the CCA at the postal address in note 6 below. You will need to justify why such an exclusion should be granted.

5. On security issues, operators should contact the Gardai to request that information contrary to the interests of national security be excluded from the HSA website. A letter from the Garda Commissioner is required to accompany any request on national security grounds.

6. You may send the completed notification to the HSA either by post or e-mail.

By post to:

COMAH Notifications
Health and Safety Authority
Metropolitan Building
James Joyce Street
Dublin 1

Or by e-mail to chemicals@hsa.ie (put 'comah notification' in the subject line)

As electronic communication cannot be guaranteed to be secure, you may decide not to use this means if you regard any of the information as confidential.

Alternatively the electronic version can be copied to a storage medium and posted to address above.

The CCA will confirm receipt of the notification within 10 working days.

**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 ("COMAH")
Notification of an Establishment
Regulation 11 & Schedule 3**

Part A: Statutory Information required by the Central Competent Authority

Notes

Information to be provided in the notification

1. Name (or trade name) of the operator and address of the ESTABLISHMENT .

Murphy Environmental Hollywood Ltd., Hollywood Great, Nag's Head, Naul, Co. Dublin

2. Address of registered place of business of the OPERATOR.

Hollywood Great, Nag's Head, Naul, Co. Dublin

3. Name and position of the person in charge of the establishment.

Either is required but including both would be helpful.

Ken Rooney - Landfill Manager

4. Information sufficient to identify the dangerous substance or the categories of the dangerous substance present including the quantity and physical form of the dangerous substance present.

Information is required for both single substances and preparations. The named and categories of dangerous substances should be identified (see schedule 1 parts 1 and 2 of COMAH-[Comah Notification](#)

It should be clear which categories the named substances come under if they are aggregated (see note 4 schedule 1 part 3 of COMAH).

Warehouses with frequent inventory fluctuations e.g. custom manufacturers may notify ceiling limits of generic categories.

'Physical form' includes gas, liquid, powder and solids.

'Quantity' is the maximum which you anticipate will be present.

Use appendix 1 where there are several substances on site.

1. Substance - Diesel Oil
CAS - 68334-30-5
Physical Form - Liquid
Quantity - 6 tonnes
Classification in Schedule 1 - Xn, N
Lower Tier Fraction of Threshold - 0.0025
Upper Tier Fraction of Threshold - 0.0003
2. Substance - Flue Gas Treatment (FGT) Residues
CAS - Mixed need analysis on a case by case basis
Physical Form - Powder
Quantity - 251 tonnes
Classification in Schedule 1 - N, Xn
Lower Tier Fraction of Threshold - 1.2525
Upper Tier Fraction of Threshold - 0.501

5. Description of the activity or proposed activity concerned.

Brief description, select from the options listed -

Waste Treatment

6. Details of any elements of the immediate environment liable to cause a major accident or which could aggravate the consequences of a major accident.

(i) Describe any elements of the surrounding environment of the establishment which could cause or aggravate the consequences of a major accident.

(ii) Give the name(s) of any establishment(s) 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.

Attach a map (preferably a JPEG) showing the establishment and

- (i) None Identified
- (ii) No Seveso establishments in the vicinity of the proposed development have been identified.

Please see attached map PP_WLA_04_01_SiteLocationMap_Sht2of2.pdf

Please note the proposed activity is the subject of an application to the EPA for a Waste Licence and has not commenced to date.

**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

surrounding area at least to the consultation distance. Mark establishment boundaries in red. Include a metric scale indicator and compass point and sufficient geographical information to identify the exact location of the establishment (i.e. latitude & longitude). A4 or A3 maps are most suitable.

7. Reason for Notification

(First time, Update for change in inventory, Change of Classification, Change if tier etc – select from the list)

First time

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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

Part B: Information not to be disclosed on the HSA website

Notes

If you wish to submit a request for national security, commercial or personal confidentiality, you are advised to contact the CCA for advice, in advance of submitting these forms.

Regulation 34 sets out the provisions in relation to information disclosure
[COMAH Regulations](#)

1. National Security

1.1 Is there any information which you believe should be excluded from the HSA website on national security grounds?

No

1.2 Do you have a supporting letter issued by the Garda Commissioner?

No

If Yes, attach the letter to this document and then you should:

- Complete Part 3 of this form, including the national security information and providing a justification for its exclusion from the HSA website, in the space provided .

2. Commercial and Personal Confidentiality

Do you wish any information to be excluded from the HSA website on the grounds that it is commercially or personally confidential?

No

If Yes, then you should:

- Complete Part 3 of this form including the commercially or personally confidential information and providing a justification for its exclusion from the HSA website in the space provided.

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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

3. Information to be excluded and justification for excluding it

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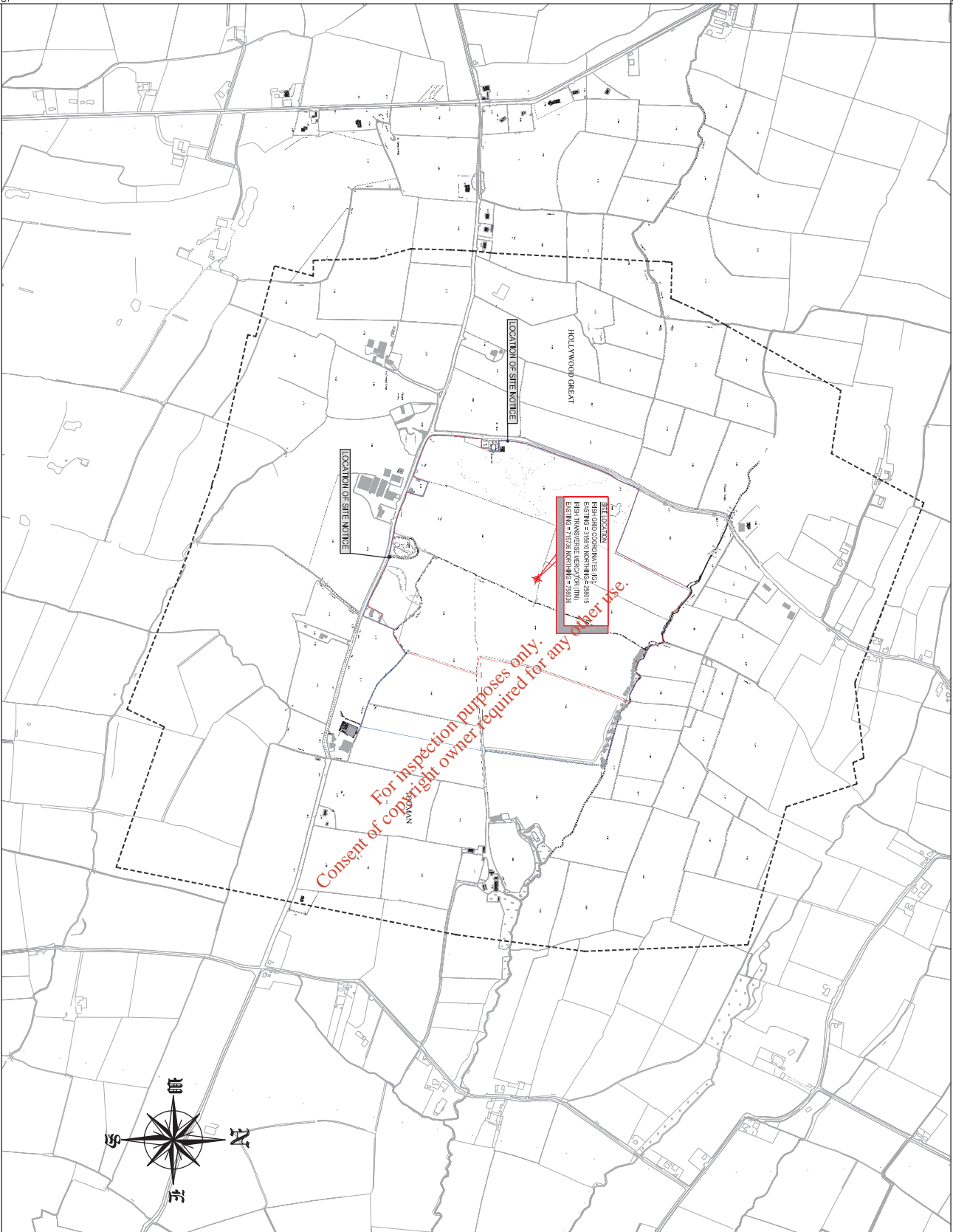
Declaration

Name

Date

Please send the completed notification to:

chemicals@hsa.ie (put 'comah notification' in the subject line)



257336 315056

257336 316716

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

LEGEND:-

.....	500M OFFSET FROM BOUNDARY
—	Ownership Boundary
—	Proposed Planning & EPA Waste Licence Boundary
—	ITM CENTRE PT CO-ORDINATES 715726.758036

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

WASTE LICENCE APPLICATION
RESPONSIBLE FOR ACCORDANCE WITH REGULATIONS IN ENFORCEMENT

01	WASTE LICENSE APPLICATION	01.02.01	4/2008
02	REVISION	02.01	1/2008
Project Name: MEHL INTEGRATED WASTE MANAGEMENT FACILITY			
Location: HOLLYWOOD GREAT, MANS HEAD MAUL. CO. DUBLIN			
SITE LOCATION MAP SHEET 2 OF 2 WITH 500M OFFSET FROM BOUNDARY			
Project No.:	Waste No.:	Scale:	Sheet No.:
2720-01	WMA	1:2500	04_01
Project No.:	Waste No.:	Scale:	Sheet No.:
2720-01	WMA	1:2500	04_01

ARUP **patrick** **tonra**

Waste Engineering & Environmental Services

WES (Engineering) Ireland Ltd.

From: [Alice Doherty](#)
To: [Ken Rooney](#)
Subject: Notification
Date: 02 March 2012 10:18:01

Dear Ken,

The Authority acknowledges receipt of your notification on 29 February 2012.

Regards,

Alice.

Alice Doherty | Inspector | Chemical Business Services Division |
Health and Safety Authority, Metropolitan Building, James Joyce Street, Dublin 1.
Tel: 01 6147143 | Fax: 01 6147153
Email: alice_doherty@hsa.ie | Web: www.hsa.ie

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This footnote also confirms that this email message has been swept for the presence of computer viruses.

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Appendix 1.3:
HSA Correspondence – to MEHL (20/03/12) and
MEHL response (19/04/12)

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HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Mr. Ken Murphy,
Murphy Environmental Hollywood Limited,
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

20/03/2012

Regulation 11 – Notification of an Establishment
European Communities (Control of Major Accident Hazards Involving Dangerous Substances)
Regulations 2006, S.I. No. 174 of 2006

Dear Mr. Rooney,

I am writing to acknowledge receipt of your email dated 29 February 2012, and accompanying notification for

Establishment Name: Murphy Environmental Hollywood Limited
Establishment address: Hollywood Great, Nag's Head, Naul, Co. Dublin.

You should note the provisions of regulation 11(5) in relation to notification-

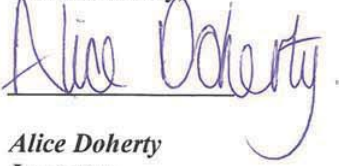
Regulation 11:

- (5) *An operator shall immediately inform the Central Competent Authority in writing in the event of-*
- (a) *any significant increase in the quantity, or a significant change in the nature or physical form, of a dangerous substance present, as indicated in the notification provided pursuant to paragraph (1), or any significant change in the processes employing it,*
 - (b) *modification of an establishment or an installation which could have significant repercussions on major accident hazards or*
 - (c) *permanent closure of the installation.*

	Murphy Environmental Hollywood Ltd.
21 MAR 2012	
File Ref:	4.5.6
Action By:	PR, KR, 100 KM
Act Taken:	PR, KR, 100 KM
Closed:	Kate

Please contact the undersigned if you require further information.

Yours sincerely,

A handwritten signature in blue ink that reads "Alice Doherty". The signature is written in a cursive style and is positioned above a horizontal line.

Alice Doherty
Inspector,
COMAH, Chemical Production & Storage (CCPS)

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HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Mr. Ken Rooney,
Murphy Environmental Hollywood Limited,
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

20/03/2012

**Re: European Communities (Control of Major Accident Hazards Involving Dangerous Substances)
Regulation 2006, S.I. No. 74 of 2006**

Dear Mr. Rooney,

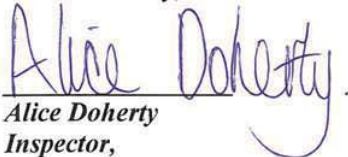
As a lower or upper tier establishment subject to the above mentioned legislation, can you please confirm that you have submitted in writing to the Planning Authority in whose functional area the establishment is situated and to any other Planning Authority whose functional area may be affected by a major accident at the establishment,

- (a) confirmation that the establishment is subject to the regulations;
- and
- (b) a reduced notification as per Regulation 11(7) of S.I. 74 of 2006.

Confirmations should be made in writing to the undersigned before 20 April 2012.

Please contact the undersigned if you require further information.

Yours sincerely,



Alice Doherty
Inspector,
COMAH, Chemical Production & Storage (CCPS)



HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Mr. David O'Connor,
County Manager,
Fingal County Council,
County Hall,
Main Street,
Swords,
Fingal,
Co. Dublin.

20/03/2012

Re: Notification of an Establishment under the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006, S.I. No. 74 of 2006

Dear Mr. O'Connor,

Further to the requirements laid down by Directive 96/82/EC, as amended by Directive 2003/105/EC, and as implemented by the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006, S.I. No. 74 of 2006, the Health and Safety Authority, in the exercise of its functions as the Central Competent Authority, is obliged to provide technical advice to a planning authority in the case of relevant decisions. This is in accordance with Regulation 27 of the said regulations, entitled "Advice on Land use Planning".
Regulation 27 states the following:

27. (1) *For the purpose of ensuring that technical advice on the risks arising from an establishment is available to a planning authority or An Bord Pleanála, either on a case by case basis or on a generic basis, when decisions are taken relating to -*

- (a) *the siting of new establishments,*
- (b) *the modification of an existing establishment to which Article 10 of the Directive applies, or*
- (c) *proposed development in the vicinity of an existing establishment,*

the Authority may, and shall when requested to do so by a planning authority or An Bord Pleanála, give technical advice to a planning authority or An Bord Pleanála (as the case may be) on the basis of the information available to the Authority.

For the purposes of facilitating the fulfilment of its role under Regulation 27, the Authority wishes to bring to your attention the following:

Name of Establishment: Murphy Environmental Hollywood Limited

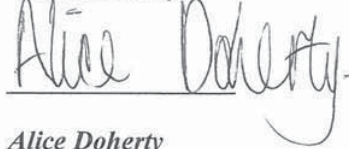
Address of Establishment: Hollywood Great, Nag's Head, Naul, Co. Dublin.

With respect to this establishment in your functional area, you are hereby notified that:

Until further notice, the Authority, in order to enable it to fulfil its role under Regulation 27, requests to be informed of any planning applications for developments within a 300 metre distance of the perimeter of this site. This distance may be subject to change at a later date following a review of available information.

If you have any queries please contact the undersigned.

Yours sincerely,



Alice Doherty
Inspector,
COMAH, Chemical Production & Storage (CCPS)

cc. Mr. Ken Rooney, Murphy Environmental Hollywood Limited, Hollywood Great, Nag's Head, Naul, Co. Dublin.

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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

Ms Alice Doherty
HSA
Metropolitan Building
James Joyce Street
Dublin 1

19th April 2012

Dear Ms Doherty,

Further to your correspondence on 20th March 2012 please find attached a copy of the letter sent to Fingal Co. Co. confirming our establishment as per European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 ("COMAH").

If you have any further queries please do not hesitate to contact me at our office.

Yours Sincerely,

Ken

| Ken Rooney | Chartered Engineer | Landfill Manager |

| Murphy Environmental Hollywood Ltd | EPA Waste Licence W0129-02 |

| Hollywood Great, Nag's Head, Naul, Co. Dublin | T +353 (0)1 8433744 | M +353 (0)87 9824322 |

| ken@mehl.ie | www.mehl.ie |



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

Hollywood Great, Nag's Head, Naul, County Dublin
T: 01-8433744 F: 01-8433747 W: www.mehl.ie
EPA Waste Licence WO129-02

Planning Department
c/o Ms. Janette Scott,
Fingal County Council
Fingal County Hall
Main Street
Swords
Fingal
Co. Dublin

16th April 2012,

Re: European Communities (Control of Major Accidents Hazards Involving Dangerous Substances) Regulation 2006, S.I. No. 74 of 2006.

Dear Planning Department,

Murphy Environmental Hollywood Ltd. (ABP Planning Ref: PL06F.PA0018) as a potentially lower tier COMAH establishment subject to the European Communities (Control of Major Accidents Hazards Involving Dangerous Substances) Regulation 2006, S.I. No. 74 of 2006 legislation is required to inform the Planning Authority whose functional area the establishment is situated and that Planning Authority whose functional area may be affected by a major accident at the establishment of the following:

- a. Confirmation that the establishment is subject to European Communities (Control of Major Accidents Hazards Involving Dangerous Substances) Regulation 2006, S.I. No. 74 of 2006.
- b. In relation to Regulation 11(7) of European Communities (Control of Major Accidents Hazards Involving Dangerous Substances) Regulation 2006, S.I. No. 74 of 2006 please find attached the COMAH notification that was sent to the Health & Safety Authority on 29th February 2012.

Please note that the proposed activity is the subject of an application to the EPA for a waste licence and has not commenced.

Yours Sincerely,


Ken Rooney
Landfill Manager



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

From: Ken Rooney
To: "chemicals@hsa.ie"
Cc: "[Alice Doherty](#)"
Bcc: [Patricia Rooney](#); "[Louise O' Donnell](#)"
Subject: HSA - COMAH Notification
Date: 29 February 2012 12:34:00
Attachments: [MurphyEnvironmentalHollywoodLtd.notification.24Feb2012.pdf](#)
[PP_WLA_04_01_Site_Location_Map_Sht_2_of_2.pdf](#)

To whom it concerns,

Please find attached the COMAH Notification information as requested by Alice Doherty on 24th January 2012.

Please note that the proposed activity is the subject of an application to the EPA for a waste licence and has not commenced.

Regards,

Ken

| Ken Rooney | Chartered Engineer | Landfill Manager |

| **Murphy Environmental Hollywood Ltd.** | EPA Waste Licence W0129-02 |

| Hollywood Great, Nag's Head, Naul, Co. Dublin | T +353 (0)1 8433744 | F +353 (0)87 9824322 |

| ken@mehl.ie | www.mehl.ie |



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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

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4. For confidentiality issues, application for exclusion of parts of the notification should be made to the CCA at the postal address in note 6 below. You will need to justify why such an exclusion should be granted.

5. On security issues, operators should contact the Gardai to request that information contrary to the interests of national security be excluded from the HSA website. A letter from the Garda Commissioner is required to accompany any request on national security grounds.

6. You may send the completed notification to the HSA either by post or e-mail.

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Health and Safety Authority
Metropolitan Building
James Joyce Street
Dublin 1

Or by e-mail to chemicals@hsa.ie (put 'comah notification' in the subject line)

As electronic communication cannot be guaranteed to be secure, you may decide not to use this means if you regard any of the information as confidential.

Alternatively the electronic version can be copied to a storage medium and posted to address above.

The CCA will confirm receipt of the notification within 10 working days.

**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 ("COMAH")
Notification of an Establishment
Regulation 11 & Schedule 3**

Part A: Statutory Information required by the Central Competent Authority

Notes

Information to be provided in the notification

1. Name (or trade name) of the operator and address of the ESTABLISHMENT .

Murphy Environmental Hollywood Ltd., Hollywood Great, Nag's Head, Naul, Co. Dublin

2. Address of registered place of business of the OPERATOR.

Hollywood Great, Nag's Head, Naul, Co. Dublin

3. Name and position of the person in charge of the establishment.

Either is required but including both would be helpful.

Ken Rooney - Landfill Manager

4. Information sufficient to identify the dangerous substance or the categories of the dangerous substance present including the quantity and physical form of the dangerous substance present.

Information is required for both single substances and preparations. The named and categories of dangerous substances should be identified (see schedule 1 parts 1 and 2 of COMAH-[Comah Notification](#)

It should be clear which categories the named substances come under if they are aggregated (see note 4 schedule 1 part 3 of COMAH).

Warehouses with frequent inventory fluctuations e.g. custom manufacturers may notify ceiling limits of generic categories.

'Physical form' includes gas, liquid, powder and solids.

'Quantity' is the maximum which you anticipate will be present.

Use appendix 1 where there are several substances on site.

1. Substance - Diesel Oil
CAS - 68334-30-5
Physical Form - Liquid
Quantity - 6 tonnes
Classification in Schedule 1 - Xn, N
Lower Tier Fraction of Threshold - 0.0025
Upper Tier Fraction of Threshold - 0.0003
2. Substance - Flue Gas Treatment (FGT) Residues
CAS - Mixed need analysis on a case by case basis
Physical Form - Powder
Quantity - 251 tonnes
Classification in Schedule 1 - N, Xn
Lower Tier Fraction of Threshold - 1.2525
Upper Tier Fraction of Threshold - 0.501

5. Description of the activity or proposed activity concerned.

Brief description, select from the options listed -

Waste Treatment

6. Details of any elements of the immediate environment liable to cause a major accident or which could aggravate the consequences of a major accident.

(i) Describe any elements of the surrounding environment of the establishment which could cause or aggravate the consequences of a major accident.

(ii) Give the name(s) of any establishment(s) 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.

Attach a map (preferably a JPEG) showing the establishment and

- (i) None Identified
- (ii) No Seveso establishments in the vicinity of the proposed development have been identified.

Please see attached map PP_WLA_04_01_SiteLocationMap_Sht2of2.pdf

Please note the proposed activity is the subject of an application to the EPA for a Waste Licence and has not commenced to date.

**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

surrounding area at least to the consultation distance. Mark establishment boundaries in red. Include a metric scale indicator and compass point and sufficient geographical information to identify the exact location of the establishment (i.e. latitude & longitude). A4 or A3 maps are most suitable.

7. Reason for Notification

(First time, Update for change in inventory, Change of Classification, Change if tier etc – select from the list)

First time

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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
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Regulation 11 & Schedule 3**

Part B: Information not to be disclosed on the HSA website

Notes

If you wish to submit a request for national security, commercial or personal confidentiality, you are advised to contact the CCA for advice, in advance of submitting these forms.

Regulation 34 sets out the provisions in relation to information disclosure
[COMAH Regulations](#)

1. National Security

1.1 Is there any information which you believe should be excluded from the HSA website on national security grounds?

No

1.2 Do you have a supporting letter issued by the Garda Commissioner?

No

If Yes, attach the letter to this document and then you should:

- Complete Part 3 of this form, including the national security information and providing a justification for its exclusion from the HSA website, in the space provided .

2. Commercial and Personal Confidentiality

Do you wish any information to be excluded from the HSA website on the grounds that it is commercially or personally confidential?

No

If Yes, then you should:

- Complete Part 3 of this form including the commercially or personally confidential information and providing a justification for its exclusion from the HSA website in the space provided.

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**European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, SI 74 2006 (“COMAH”)
Notification of an Establishment
Regulation 11 & Schedule 3**

3. Information to be excluded and justification for excluding it

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Declaration

Name

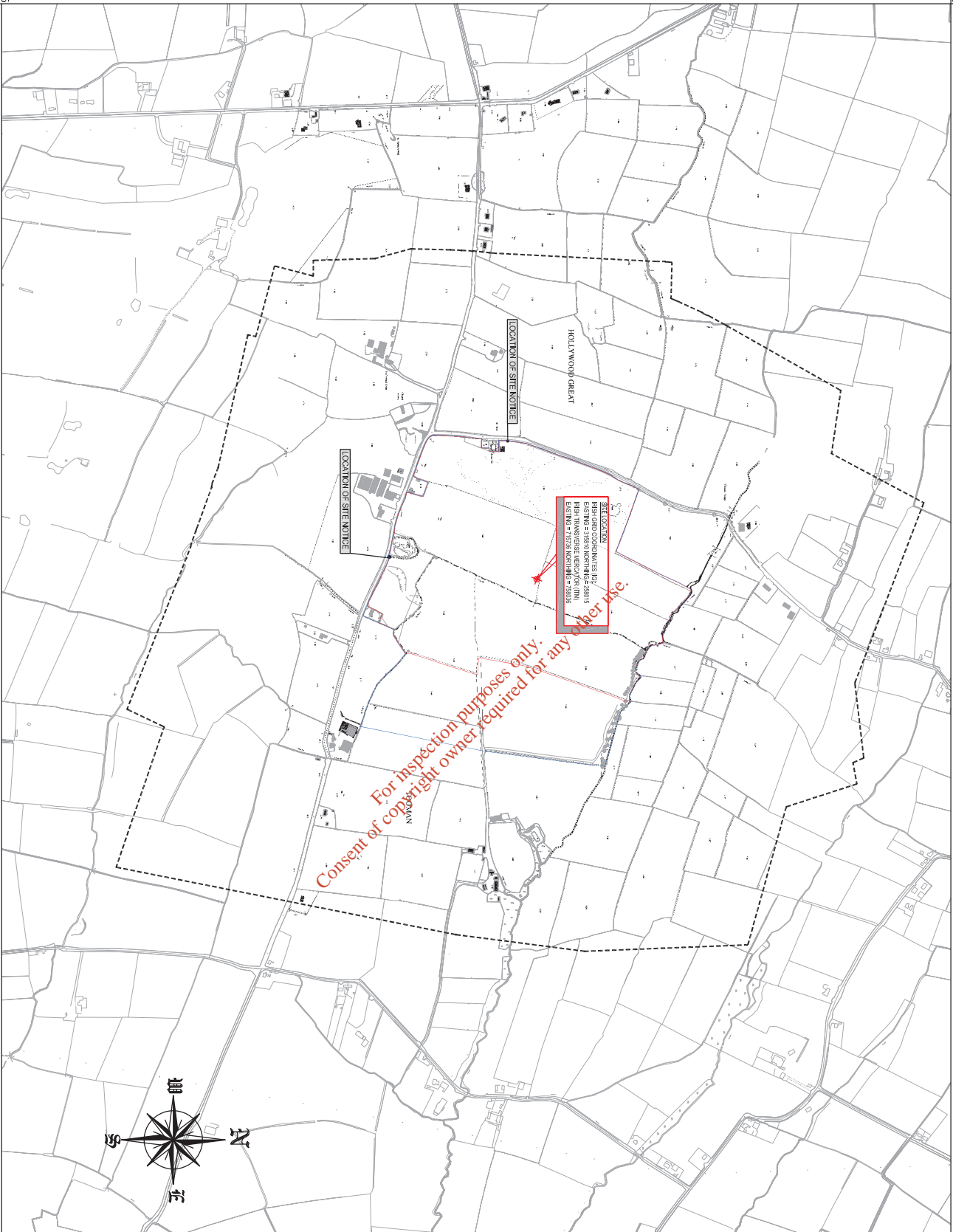
Ken Rooney

Date

01/02/2012

Please send the completed notification to:

chemicals@hsa.ie (put 'comah notification' in the subject line)



SCALE 1:5000

GENERAL NOTES:

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

LEGEND:-

- 500M OFFSET FROM BOUNDARY
- Ownership Boundary
- Proposed Planning & EPA Waste Licence Boundary

ITM CENTRE POINT CO-ORDINATES
715726.758026

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

WASTE LICENCE APPLICATION

REGULATED BY: WASTE LICENCE APPLICATION

Project No.	Waste Licence Application	10.02.00	4/2008
Client	MEHL Integrated Waste Management Facility	0000	10/02/08

Project: MEHL INTEGRATED WASTE MANAGEMENT FACILITY
Location: HOLLYWOOD GREAT, MANS HEAD MAUL. CO. DUBLIN

SITE LOCATION MAP SHEET 2 OF 2 WITH 500M OFFSET FROM BOUNDARY

Project Name: MEHL Integrated Waste Management Facility
Scale: 1:5000
Sheet No.: 04_01
Scale: 1:5000
Drawn By: [Name]
Checked By: [Name]
Approved By: [Name]

ARUP **patrick** **tonra**
Waste Engineering & Environmental Services
10000 Lakeside Drive, Suite 1000, Dublin, Ireland
Tel: +353 (0)1 454 4400
Fax: +353 (0)1 454 4404
www.arup.com
www.patricktonra.com
www.wes.ie



Appendix 1.4:

HSA Correspondence –ABP to MEHL (25/01/11) re. HSA submission; MEHL to ABP (04/02/11) re. HSA correspondence; ABP acknowledgement (16/02/11); ABP to MEHL (21/03/11) re. HSA submission

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Our Ref: 06F.PA0018

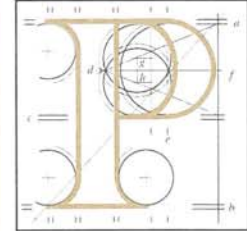
Your Ref:

Patricia Rooney
Murphy Environmental Hollywood Ltd.
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

25th January 2011



An Bord Pleanála



Re: Integrated waste management facility for the acceptance and landfilling of non-biodegradable inert, non-hazardous and hazardous Waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

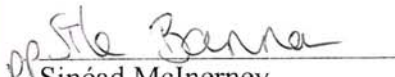
Dear Madam,

Enclosed for your information is a copy of submissions received by the Board in relation to the above mentioned proposed development.

If you have any queries in relation to the matter please contact the undersigned officer of the Board.

Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,


Sinéad McInerney
Executive Officer
Encls.

PA08.LTR



64 Sráid Maoilbhride,
Baile Átha Cliath 1.

Tel: (01) 858 8100
LoCall: 1890 275 175
Fax: (01) 872 2684
Web: <http://www.pleanala.ie>
email: bord@pleanala.ie

64 Marlborough Street,
Dublin 1.



An tÚdarás um Bóithre Náisiúnta
National Roads Authority

The Secretary

An Bord Pleanála
64 Marlborough Street
Dublin 1

AN BORD PLEANÁLA	
TIME _____	BY _____
21 JAN 2011	
LTR-DATED _____	FROM _____
PL _____	

Teach Naomh Máirtín / Dóthar Waterloo / Baile Átha Cliath 4
St. Martin's House / Waterloo Road / Dublin 4
Teil: / Tel: + 353 1 660 2511 Facs: / Fax: + 353 1 668 0009

Dáta | Date

20 January 2011

Ár dTag | Our Ref.

NRA11 81040

Bhur dTag | Your Ref.

**Re: Strategic Infrastructure Development
Integrated Waste Management Facility at Hollywood Great, Nag's Head, Naul,
Ref. No. 06F.PC0087**

Dear Secretary

I refer to recent correspondence received in relation to the above. The Authority has assessed the details referred in the context of the proximity of the proposed development to the M1 and the associated junction at Courtlough (Junction 5) and I can confirm that the Authority has no comments to make in relation to the proposal.

Yours faithfully

Michael McCormack
Policy Adviser (Planning)

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HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

An Bord Pleanála,
64 Marlborough Street,
Dublin 1.

21 January 2011

**Re: Integrated waste management facility for the acceptance and landfilling on non-biodegradable inert, non-hazardous and hazardous waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.
Your Ref: 06F.PA0018**

Request for Technical Advice in Respect of Proposed Strategic Infrastructure Development, & your letter received 5 January 2011

Dear Sir/Madam,

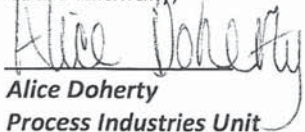
The Authority, acting as the Central Competent Authority under the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2006 (SI 74 of 2006), gives technical advice to the planning authority when requested, under regulation 27(1) in relation to

- (a) the siting of new establishments,
- (b) modifications to an existing establishment to which Article 10 of the Directive applies, or
- (c) proposed development in the vicinity of an existing establishment.

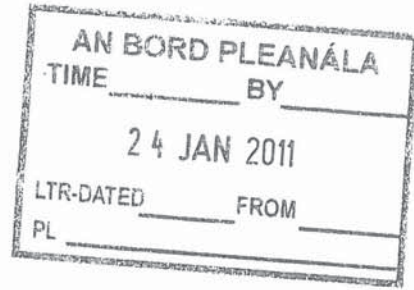
The Authority is currently seeking more information from Murphy Environmental Hollywood Ltd in relation to the above-mentioned proposed development. Please find enclosed a copy of the letter sent to Murphy Environmental Hollywood Ltd outlining the information that is required. In accordance with regulation 27(3) (b) of the above regulations, the Authority will provide its advice to An Bord Pleanála within 5 weeks of the receipt of the requested information.

If you have any queries please contact the undersigned.

Yours faithfully,


Alice Doherty
Process Industries Unit





HEALTH AND SAFETY
AUTHORITY

HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

Ms. Patricia Rooney,
Murphy Environmental Hollywood Ltd,
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

21 January 2011

Re: Integrated waste management facility for the acceptance and landfilling on non-biodegradable inert, non-hazardous and hazardous waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

Request for Technical Advice in Respect of a Proposed Strategic Infrastructure Development

Dear Ms. Rooney,

The Authority, acting as the Central Competent Authority under the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2006 (SI 74 of 2006), gives technical advice to the planning authority when requested, under regulation 27(1) in relation to

- (a) the siting of new establishments,
- (b) modifications to an existing establishment to which Article 10 of the Directive applies, or
- (c) proposed development in the vicinity of an existing establishment.

In order to provide technical advice in relation to the above request, the Authority requires the following matters to be addressed in accordance with SI 74 of 2006:

1. Clarify the major accident hazard scenarios in terms of source-pathway-receptor.
2. Provide additional detail on the measures for mitigating the consequences of major accidents involving loss of incinerator ash.
3. Provide CAS numbers for diesel oil and FGT residues.
4. Confirm that the figures listed in the column labeled "m³/tonne" in Table 1 of the notification are correct.

5. Confirm that the figures listed in the column labeled "maximum quantity in storage (tonnes)" in Table 1 of the notification are correct.
6. In Table 1 of the notification, the "maximum quantity in storage (tonnes)" for FGT residues is listed as 235. On the basis of the information presented on page 117 of the EIS Main Text (Document 8 of 11), it would appear the quantity is 250.5 tonnes. Clarify the maximum quantity of FGT residues which are likely to be present at any one time.
7. Confirm that the addition rule calculations in Table 2 of the notification are correct.
8. Explain the sentence on page 117 of the EIS Main Text (Document 8 of 11) "Mixtures of flue gas treatment residues & other materials are not classified as hazardous to the aquatic environment, whether uncured, partially cured or totally cured."
9. Provide details of any Seveso establishments in the vicinity of the above-mentioned proposed development (including those for which planning permission has been granted but which have yet to commence operation).

If you have any queries please do not hesitate to contact me at 01 6147143.

Yours sincerely,


Alice Doherty
Process Industries Unit

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AN BORD PLEANÁLA	
TIME _____	BY _____
24 JAN 2011	
LTR-DATED _____	FROM _____
PL _____	



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 WO129-02

An Bord Pleanála
64 Marlborough Street
Dublin 1

FAO Mr. Alan McArdle

Friday, 4th February 2011

MEHL Strategic Infrastructure Development Application An Bord Pleanála Reference No.: PL06F.PA0018

Dear Mr. McArdle,

Murphy Environmental Hollywood Ltd. (MEHL) lodged an application in respect of a Strategic Infrastructure Development for a proposed Integrated Waste Management Facility at Hollywood Great, Nag's Head, Naul, Co. Dublin to An Bord Pleanála on 10th December 2010 (An Bord Pleanála ref: PL06F.PA0018).

MEHL received a request for technical advice from the Health and Safety Authority (HSA) in respect of the development on 21 January 2011.

Please be advised that MEHL has responded directly to HSA with requested information today, 4th February 2011.

Please do not hesitate to contact us should you require further information.

Yours sincerely,

Ms. Patricia Rooney
Director & General Manager, MEHL



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

Our Ref: 06F.PA0018

Your Ref:

Patricia Rooney,
Murphy Environmental Hollywood Ltd.
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

16th February 2011

Re: Integrated waste management facility for the acceptance and landfilling of non-biodegradable inert, non-hazardous and hazardous Waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

Dear Madam,

An Bord Pleanála has received your recent letter in relation to the above mentioned case and in particular to the submission made to the Health and Safety Authority by the applicant. The contents of your letter have been noted.

If you have any queries in relation to the matter please contact the undersigned officer of the Board.

Please quote the above-mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,

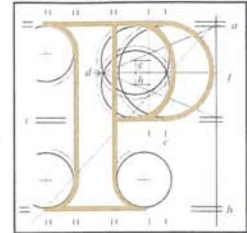


Sinead McInerney
Executive Officer
Direct Line:01-8737295

ch08.ltr

	Murphy Environmental Hollywood Ltd.
17 FEB 2011	
File Ref:	#362 & 324
Action By:	PR/KAL/MKOD
Act Taken:	PR/KAL/MKOD
Closed:	date

An Bord Pleanála



64 Sráid Maoilbhríde,
Baile Átha Cliath 1.

Tel: (01) 858 8100
LoCall: 1890 275 175
Fax: (01) 872 2684
Web: <http://www.pleanala.ie>
email: bord@pleanala.ie

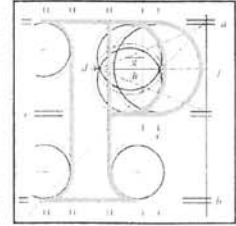
64 Marlborough Street,
Dublin 1.

Our Ref: 06F.PA0018

Your Ref:

23 MAR 2011

An Bord Pleanála



Patricia Rooney
Murphy Environmental Hollywood Ltd.
Hollywood Great,
Nag's Head,
Naul,
Co. Dublin.

21st March 2011

Re: Integrated waste management facility for the acceptance and landfilling of non-biodegradable inert, non-hazardous and hazardous Waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

Dear Madam,

Enclosed for your information is a copy of submissions received by the Board in relation to the above mentioned proposed development.

If you have any queries in relation to the matter please contact the undersigned officer of the Board.

Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,

Sle Banna
pp Sinéad McInerney
Executive Officer
Encls.

PA08.LTR

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Murphy Environmental
Hollywood Ltd.

23 MAR 2011

Ref: 436/3.2.4

By: KR, PP, KM, LOO

Checked: KR, PP, KM, LOO

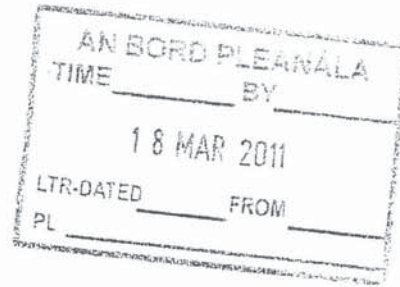
Signed: [Signature]



64 Sráid Maolbhríde,
Baile Átha Cliath 1.
Tel: (01) 858 8100
LoCall: 1890 275 175
Fax: (01) 872 2684
Web: <http://www.pleanala.ie>
email: bord@pleanala.ie

64 Marlborough Street,
Dublin 1.

23 MAR 2011



HSA Head Office, Metropolitan Building, James Joyce Street, Dublin 1
Telephone: 1890 289 389 Website: <http://www.hsa.ie>

An Bord Pleanála.
64 Marlborough Street.
Dublin 1.

16 March 2011

Re: Integrated waste management facility for the acceptance and landfilling of non-biodegradable inert, non-hazardous and hazardous waste at Hollywood Great, Nag's Head, Naul, Co. Dublin.

Your Ref: 06F.PA0018

Request for Technical Advice in Respect of a Proposed Strategic Infrastructure Development, & your letter received 5 January 2011

Dear Sir/Madam,

The approach of the Authority to Land-use Planning is set out in the document 'Policy & Approach of the Health and Safety Authority to COMAH Risk-based Land-use Planning'. It is available from our website at:

http://www.hsa.ie/eng/Your_Industry/Chemicals/Control_of_Major_Accident_Hazards/Land_Use_Planning/

The document should be consulted to fully understand the advice given in this letter.

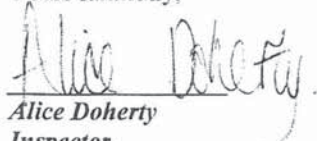
In that context, and the Health and Safety Authority remit, in respect of this specific application the following points are relevant:

1. The application is covered by Regulation 27(1) of SI 74 of 2006.
2. The development constitutes a new establishment (Reg. 27(1)(a)).
3. On the basis of the information supplied, the Authority has determined that the siting criteria for new establishments **have been met** (see page 5, section 1.2 of above referenced Policy & Approach document). Accordingly the Authority **DOES NOT ADVISE AGAINST** the granting of planning permission in the context of major accident hazards.
4. Your attention is brought to the final sentence of section 1.2 of the Policy & Approach document: *The Authority will bring to the attention of the Planning Authority the need to consult with the local authority emergency services on any potential impact on local access/egress arrangements in the context of public behaviour in the event of an emergency and access for emergency services.*
5. The advice given is only applicable to the specific circumstances of this proposal at this period of time.

6. Developments around Seveso establishments may have a potential impact on the future expansion of those establishments.

If you have any queries please contact the undersigned.

Yours faithfully,



Alice Doherty
Inspector,
Process Industries Unit

Encl: Note on the Approach of the HSA to the Provision of Land-use Planning Advice

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AN BORD PLEANALA	
TIME _____	BY _____
18 MAR 2011	
LTR-DATED _____	FROM _____
PL _____	

23 MAR 2011

Note on the Approach of the HSA to the Provision of Land-use Planning advice.

The Authority, acting as the Central Competent Authority under the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2006 (SI 74 of 2006), gives technical advice to the planning authority when requested, under regulation 27(1) in relation to

- (a) the siting of new establishments,
- (b) modifications to an existing establishment to which Article 10 of the Directive applies, or
- (c) proposed development in the vicinity of an existing establishment

The advice given is for the purposes of assessing new development only. A full explanation of the Authority's Land Use Planning advice system can be found at

http://www.hsa.ie/eng/Your_Industry/Chemicals/Control_of_Major_Accident_Hazards/Land_Use_Planning/

Your attention is drawn to Article 12 of the EU Directive 96/82/EC (as amended by Directive 2003/105/EC):

'Member States shall ensure that their land use and/or other relevant policies and the procedures for implementing those policies take account of the need, in the long term, to maintain appropriate distances between establishments covered by this Directive and residential areas, buildings and areas of public use, major transport routes as far as possible, recreational areas and areas of particular natural sensitivity or interest, and, in the case of existing establishments, of the need for additional technical measures in accordance with Article 5 so as not to increase the risks to people.'

and to the Major Accident Hazard Bureau/ Joint Research Centre of the European Commission guidance¹ in this area:

From the text of the Directives the following conclusions may be drawn with regards to the overall land use (or spatial) planning system:

- o The requirement of Article 12 is a specific one within the general objectives of planning.
- o The requirement may be fulfilled by means of planning and/or technical solutions.
- o It is a mandatory requirement, which means it cannot be "overruled" by other factors of consideration.
- o It applies only for cases of future development (new sites, modifications or new developments in the vicinity) → Article 12 therefore does not apply retrospectively.

In giving its advice the Authority does not deal with routine emissions. It is the understanding of the Authority that such emissions will be subject to EPA or Local Authority scrutiny and control.

The operator of an establishment covered by S.I. 74 of 2006 is also required to take all necessary measures -

- (a) to prevent major accidents occurring, and
- (b) to limit the consequences of any such major accidents for man and the environment.



¹ Land-use Planning Guidelines in the context of Directives 96/82/EC and 105/2003/EC (Seveso II) JRC 2008, ISBN 978-92-79-09182-7