



Environmental protection Agency Environmental Licensing PO box 3000 Johnstown Castle Estate County Wexford

Dear Sir/Madam

I have submitted a completed Integrated pollution prevention Control License Application form and appropriate fee and supporting Documentation and attachments. You will notice that some of the tables that are applicable to this application on behalf of Westland Horticulture have been included with the supporting documentation and attachments rather than included in the application form. The justification for this is that we have 12 emission points (Silt Traps) to surface water and we require a separate table for each emission point.

Most of the data required in support of this application is complete and will be submitted with the application form however there are a few maps that I need to complete which I will forward next week as a separate attachments package.

If you have any questions regards any of the information included in the application form or the supporting documentation and attachments package please do not hesitate to contact me on the number or E mail attached below.

Kind regards

Yours sincerely

Mark Hamill 10/03/2010

Mark Hamill
Quality Systems Manager
Westland Horticulture
E Mail mhamill@westlandhorticulture.com
Tel - 0044 7825550335





Integrated Pollution Prevention and Control (IPPC) Licensing

Application Form

EPA Reg. N°: (Office use only)

Environmental Protection Agency

P.O. Box 3000, Johnstown Castle Estate, Co. Wexford Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699

Web: www.epa.ie Email: info@epa.ie

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ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for an Integrated Pollution Prevention and Control (IPPC) Licence under the Environmental Protection Agency Acts, 1992 and 2003. There are separate application forms for licensees who wish to apply for a review of existing licences and for Pig & Poultry sector applicants.

The Application Form <u>must</u> be completed in accordance with the instructions provided in the *IPPC Licensing Application Guidance Note*. The Guidance Note gives an overview of IPPC Licensing, outlines the licence application process (including number of copies required) and specifies the information to be submitted in the application. The Guidance Note and application forms are available to download from the IPPC Licensing pages of the EPA's website at www.epa.ie. A valid application for an IPPC licence must contain the information prescribed in the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004. Article 10 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, please complete the Article 10 Checklist provided in Annex 2.

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Environmental Protection Agency Acts, 1992 and 2003 and the Environmental Protection Agency (Licensing) Regulations 1994 to 2004. While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantees, undertakings and warranties concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation contained in the accompanying Guidance Note, then the requirements in this Application Form shall take precedence.

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SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the carrying on of the activity/activities, and describe mitigation measures proposed or existing to address these impacts. This description should also indicate the normal operating hours and days per week of the activity.

The following information must be included in the non-technical summary:

A description of:

- the installation and its activities,
- the raw and auxiliary materials, other substances and the energy used in or generated by the installation,
- the sources of emissions from the installation,
- the environmental conditions of the site of the installation (e.g. soil and groundwater, air, noise, surface water),
- the nature and quantities of foreseeable emissions from the installation into each medium as well as identification of significant effects of the emissions on the environment
- the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation,
- where necessary, measures for the prevention and recovery of waste generated by the installation,
- further measures planned to comply with the general principles of the basic obligations of the operator i.e.
 - (a) all the appropriate preventive measures are taken against pollution, in particular through application of the Best Available Techniques (BAT);
 - (b) no significant pollution is caused;
 - (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
 - (d) energy and other resources are used efficiently;
 - (e) the necessary measures are taken to prevent accidents and limit their consequences;
 - (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.
- measures planned to monitor emissions into the environment.

Supporting information should form $\textbf{Attachment N}^{\underline{o}}$ A.1

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B.1. Owner/Operator

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Name*:	Westland Horticulture
Address:	14 Granville Industrial Estate
	Granville Road
	Dungannon
	County Tyrone
Tel:	02887727500
Fax:	02887723800
e-mail:	Mhamill@westlandhorticulture.com

^{*} This should be the name of the applicant which is current on the date this IPPC Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

Name and Address for Correspondence

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name:	Mark Hamill	et
Address:	14 Granville Industrial Estate	Oth
	Granville Road	914. 911 ₄
	Dungannon	25 Cot
	County Tyrone	nos red
Tel:	02887727500	Durkelik
Fax:	02887723800	ion of the
e-mail:	Mhamill@westlandhorticulture.com	Sect With
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Address of registered or principal office of Body Corporate (if applicable)

Address:	COB,	
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	cent	
	cont	
Tel:		
Fax:		
e-mail:		

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a) a Certified Copy of the Certificate of Incorporation.
- b) the Company's Registration Number from the Companies Registry Office.
- c) Particulars of Registered Office of the Company.

Name and address of the proprietor(s) of the Land on which the Activity is situated (if different from applicant named above):

Proprietor's Name:	Cavan Peat Limited / Westmeath Peat Limited
Address:	18-20 Meriville Road,
	Stillorgan,
	Co. Dublin
	Cavan Peat Co. No. 61236
	Westmeath Co. No 0932254
Tel:	
Fax:	
e-mail:	

Name and address of the owner(s) of the building and ancillary plant in which the activity is situated (if different from applicant named above):

Name:	Shane Currie	
Address:	86 Ennislaire Road	
	Armagh	
	County Armagh	<u>ر</u> ق.
	BT60 2PU	at 10
Tel:	00353872775840	othe
Fax:		tae the
e-mail:		2 Of Cot to

B.2. Location of Activity - County Westmeath

:0° at '
Westland Horticulture
Lower Coole, Mayne, Ballinealoe & Clonsura
Near Coole & Fineagh
County Westmeath
80
00447825550335
00222887723800 _c $\delta \tilde{V}$
Mark Hamill
Quality Systems Manger
mhamill@westlandhorticulture.com

^{*} Include any townland.

National Cold Defenses	
National Grid Reference	
	l
(12 digit 6E,6N)	l
(IL digit objoit)	

Location maps (\leq A3), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2.** The site boundary must be outlined on the map in colour.

Geo-referenced digital drawing files (e.g. AutoCAD files) in Irish Grid projection of the site boundary and overall site plan, including labelled emission, monitoring and sampling points, are also required. This data should be provided to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

Name of geo-referenced digital drawing files	17674-09, 17675-09, 17676-09
Name of CD-Rom with	Westland Peat lands Surveys County Westmeath

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digital drawing files

B.3. Class of Activity

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Identify the relevant activities in the First, Third or Fourth Schedule of the PoE Act 2004 to which the activity relates:

Schedule	Class	Description ^{Note 1}
First	1.4	The extraction of peat in the course of business
		which involves an area exceeding 50 hectares.

Note 1: In order to give a precise identification <u>select only those words</u> from the description of the class or classes that best describes the nature of the activity for which the licence is being applied for.

B.4. Employees/ Capital Cost -

Give-

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- (i) In the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or
- (ii) In any other case, the gross capital cost of the activity to which the application relates.

Number of Employees (existing facilities):	6 full time and 4 seasonal/ casual
	od itel
Gross Capital Cost (new proposals) €	£150,000 Per annum
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B.5. Relevant Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name:	Westmeath County Coundi
Address:	Westmeath County Council Civic Offices
	Mullingar
	County Westmeath
Tel:	(044) 93 32226
Fax:	

Planning Permission relating to this application:

has been obtained	is being processed	
is not yet applied for	is not required	×

Local Authority Planning File Reference Nº:	Not Applicable

Attachment B.5 should contain all planning permissions, including a copy of **all** conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment N^{\circ} B.5** should also contain all licences and permits past and present in force at the time of submission.

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B.6.	Relevant Sanitary Authority.

In the case of a discharge of any trade effluent or other matter to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled.

Name:	Not Applicable	
Address:		
Tel:		
Fax:		

In the case of a discharge of any trade effluent or other matter to a sewer not vested by a sanitary authority, the applicant must supply as **Attachment Nº B.6**; (a) the name and address of the owner(s) of the sewer and the waste water treatment plant to which the sewer discharges and who are responsible for the quality of the treated effluent discharging to waters and (b) a copy of the effluent regulations and the agreement between the applicant and the aforementioned.

Name:	Not Applicable	thei
Address:		· 4. ~ 4.
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		att ⁰ aire
Tel:		a Predo
Fax:		citatet

B.7. Relevant Health Board Region

The applicant should indicate the Health Board Region where the activity is or will be located.

Name:	Midlands
Address:	Block 4 Central Business Park
	Clonminch, Portlaise Road
	Tullamore
	County Offaly
Tel:	+353 (0)57 9357600
Fax:	

B.8 Site Notice, Newspaper Advertisement and Planning Authority Notice.

Attachment № B.8 should contain a copy of the text of the site notice, a map (no larger than A3) showing its location on site (in accordance with Article 7 of the Regulations) and a copy of the newspaper advertisement. A copy of the notice given to the Planning Authority should also be included.

B.9 Seveso II Regulations Not Applicable

State whether the activity is an establishment to which the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006) apply.

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If yes, outline how the process comes under these regulations.

Supporting information should be included in **Attachment N^{\circ} B.9**.

B.10 IPPC Directive - Not Applicable

Specify whether the activity is a category of industrial activity referred to in Annex I of the IPPC Directive (96/61/EC) and if yes specify the category.

Supporting information should be included in **Attachment № B.10**.

SECTION C: MANAGEMENT OF THE INSTALLATION

C.1 Site Management & Control (See supporting Documentation & Attachment)

Details should be provided on the management structures for the activity. Organisational charts and all relevant environmental management policy statements, including provisions for on-going assessment of environmental performance, are required.

C.2 Environmental Management System (EMS) (See supporting Documentation & attachment)

Indicate whether an Environmental Management System has been developed for the installation. If yes, specify which standard and include a copy of the accreditation certificate.

C.3 Hours of Operation (See supporting documentation & attachment)

Provide details of the hours of operation for the installation including:

- (a) Proposed hours of operation.
- (b) Proposed hours of construction and development works and timeframes.
- (c) Any other relevant hours of operation expected.

This information should form Attachment Nº C

SECTION D: INFRASTRUCTURE & OPERATION

D.1. Operational Information Requirements (See supporting documentation)

Describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity, to include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams), and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the activity. Maps and drawings must be no larger than A3 size.

A development and operational history of the site should be included here.

Attachment N° D should contain a list of all unit operations (processes) to be carried out, including flow diagrams of each with any relevant additional information.

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SECTION E: EMISSIONS

E.1. Emissions to Atmosphere - Not Applicable

E.1.A. Details of all point emissions to atmosphere

Details of all point emissions to atmosphere should be supplied. Complete Table E.1(i) for Boiler Emissions and Table E.1(ii) and E.1(iii) for all other main emission points. Complete Table E.1(iv) for minor emission points.

A summary list of the emission points, together with maps and/or drawings (no larger than A3), and supporting documentation should be included as **Attachment N^{\circ} E**. Plans of emission elevations, relevant roof heights, etc., should also be included, as should detailed descriptions and schematics of all abatement systems.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s). These notes can be found on the EPA website at www.epa.ie.

E.1.B. Fugitive and Potential emissions(see attached summary);

Give summary details of fugitive and potential emissions in $\Re E.1(v)$.

In relation to activities listed in the Schedule of Council Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations;

- specify the relevant category of activity in the Schedule
- specify how the requirements in relation fugitive emissions will be met.

Full details and any supporting information should form Attachment E.1.B

E.2 Emissions to Surface Waters (see attached tables)

Tables E.2(i) and E.2(ii) should be completed.

A summary list of the emission points, together with maps/drawings (no larger than A3) and supporting documentation should be included as **Attachment Nº E.2**.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. No. 394 of 2004 are emitted.

Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All surface water runoff and storm water drains discharging to surface water bodies must be included. A National Grid References (12 digit, 6E, 6N) must be given for all discharge points. The identity and type of receiving water (river, ditch, estuary, lake, etc.) must be stated.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and

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a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

E.3 Emissions to Sewer

Not Applicable

Tables E.3(i) and E.3(ii) should be completed.

A summary list of the emission points, together with maps and/or drawings (no larger than A3) and supporting documentation should be included as **Attachment Nº E.3**. Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All relevant information on the receiving sewer, including any effluent treatment/abatement systems, not already described, with schematics as appropriate should also be included in **Attachment Nº E.3**.

For emissions outside BAT guidance limit (where given), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within any limits set out in the BAT guidance note(s).

E.4. Emissions to Ground

Not Applicable

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

The applicant should supply details of the nature and quality of the substance (agricultural and non-agricultural waste) to be landspread (stury), effluent, sludges etc) as well as the proposed application rates, periods of application and mode of application (e.g., pipe discharge, tanker).

For emissions outside the BAT guidance limit a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

E.5 Noise Emissions Not applicable due to Mobile Plant

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form Attachment Nº E.5

For emissions outside the EPA Guidance Note for Noise in elation to Scheduled Activities 2nd Edition (2006), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the Guidance Note.

E.6 Tabular Data on Emission Points

Applicants should submit the following information for each emission point:

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Point Code	Point Type	Easting	Northing	Verified	Emission
Provide label ID's assigned in section E	A=Atmospheric SW=Surface Water SE = Sewer GW=Groundwater N = Noise SL=Soil/Ground WS=Waste	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO ₂ , HCl, NH ₃

An individual record (i.e. row) is required for each emission point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

SECTION F: CONTROL & MONITORING

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility.

F.1: Treatment, Abatement and Control Systems See Attachment No f.1 detailing silt trap design and operation.

Details of treatment/abatement systems (air and effluent emissions) should be included, together with schematics as appropriate.

For each Emission Point identified complete Table F.1(i) and include detailed descriptions and schematics of all abatement systems.

Attachment № F.1 should contain any supporting information.

F.2: Emissions Monitoring and Sampling Points see attached Table attachment

Identify monitoring and sampling points and outline proposals for monitoring **emissions**. Table F.2(i) should be completed (where relevant) for air emissions, for emissions to surface waters, for emissions to sewers, for emissions to ground, and for waste emissions. Where **ambient** environment monitoring is carried out or proposed, Table F.2(ii) should be completed as relevant for each environmental medium.

Include details of monitoring/sampling locations and methods.

Attachment Nº F.2 should contain any supporting information.

F.3: Tabular Data on Monitoring and Sampling Points

Applicants should submit the following information for each monitoring and sampling point:

Point Code	Point Type	Easting	Northing	Verified	Pollutant
Provide label ID's assigned	M=Monitoring S=Sampling	6E-digit GPS Irish National	6N-digit GPS Irish National	Y = GPS used N = GPS not used	e.g. SO ₂ , HCl, NH ₃
in section		Grid	Grid		

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F3 Reference Reference

An individual record (i.e. row) is required for each monitoring and sampling point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

Point source monitoring/sampling refers to monitoring from specific emission points (e.g. from a boiler stack or outlet from a wastewater treatment plant). Examples of ambient monitoring includes monitoring of ambient air quality (e.g. boundary or off-site) or monitoring of river quality upstream/downstream of an effluent discharge.

SECTION G: RESOURCE USE AND ENERGY EFFICIENCY

G.1 Give a list of the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity.

Only includes fuel;

The list(s) given should be very comprehensive, <u>all</u> materials used, fuels, intermediates, laboratory chemicals and product should be included.

Particular attention should be paid to materials and product consisting of containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 1994 [SI 77/94]. The list must classify these materials in accordance with Article 2 of these Regulations, and must specify the designated Risk Phrases (R-Phrases) of each substance in accordance with Schedule 2 of the Regulations

Tables G.1(i) and G.1(ii) must be completed. Copy as required.

Supporting information should be given in Attachment Nº G.

G.2 Energy Efficiency

Only includes mobile plat fuel usage; (See supporting documentation & attachments)

A description of the energy used in or generated by the activity must be provided. Outline the measures taken to ensure that energy is used efficiently and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audits should be carried out.

SECTION H: MATERIALS HANDLING

Only includes mobile plant fuel usage; See supporting Documentation & attachments)

H.1 Raw Materials, Intermediates and Product Handling

All materials should be listed in Tables G.1(i) and G.(ii) of Section G.

Details of the storage conditions, location within the site, segregation system used and transport systems within the site should be outlined here. In addition, information relating to the integrity, impermeability and recent testing of pipes, tanks and bund areas should be outlined.

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H.2 Describe the arrangements for the recovery or disposal of solid and liquid wastes accepted into or generated by the installation/facility.

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Not applicable

For each waste material, give full particulars of:

- (a) Name
- (b) Description & nature of waste
- (c) Source
- (d) Where stored and integrity/impermeability of storage areas
- (e) Amount (m³) and tonnage
- (f) Period or Periods of generation
- (g) Analysis (include test methods and Q.C.)
- (h) European Waste Catalogue Code
- (i) Waste Category per EC Reg 1774/2002/EC where relevant

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Summary Tables H.1(i) and H.1(ii) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits.

Supporting information should form Attachment Nº H.2

H.3 Waste disposal by on-site landfilling Not applicable

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For wastes to be disposed of by landfilling on-site, full details of the disposal site should be submitted (to include *inter alia*, site selection procedures, location maps, (no larger than A3) geology, hydrogeology, operational plan, containment, gas and leachate management, post-closure care).

Supporting information should form Attachment Nº H.3.

SECTION I: EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY

See Supporting documentation & Attachments

Describe the conditions of the site of the installation.

Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.

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Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

I.1. Assessment of atmospheric emissions Not Applicable

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Attachment Nº I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion modelling, regard should be had to the "Guidelines for the Preparation of Dispersion Modelling Assessments for Compliance with Regulatory Requirements – an Update to Royal Meteorological Society Guidance" or similar guidelines from a recognised authority.

I.2. Assessment of Impact on Receiving Surface Water See Supporting documentation & Attachments

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment Nº 1.2.**

I.3. Assessment of Impact of Sewage Discharge. Not Applicable

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form $\mathbf{Attachment}\ \mathbf{N}^{\mathbf{o}}\ \mathbf{I.3.}$

I.4 Assessment of Impact of Ground/Groundwater Emissions Not Applicable

Describe the existing groundwater quality. Tables I.4(i) should be completed. Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes landspreading, land injection etc.

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Land on which material may be landspread shall be identified on a suitable scaled map (1:10,560 and 1:50,000) and submitted as no greater than A3 size. All vulnerable (as a result of ground emissions) surface water bodies must be identified on these maps. Additional information should be included in **Attachment Nº 1.4**.

Landspreading of Agricultural/Non Agricultural Wastes

Tables I.4(ii) and I.4.(iii) should be complete where applicable. Further information is available in the Application Guidance Document.

I.5 Ground and/or Groundwater Contamination Not Applicable

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment N^{\circ} 1.5**.

I.6 Assessment of the Environmental Impact of On-site Waste Recovery and/or Disposal.

See Supporting documentation & Attachments

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Give details, and an assessment of the impact of any existing of proposed on-site waste recovery/disposal on the environment, including environmental media other than those into which the emissions are to be made.

This information should form **Attachment Nº I.6.**

I.7 Noise Impact Not Applicable Only Mobile Plant

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.7(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment Nº I.7.**

I.8 Environmental Considerations and BAT - Describe silt traps and Dust precacautions

Formatted

Describe in outline the main alternatives, if any, to the proposals contained in the application.

Describe any environmental considerations which have been made with respect to the use of cleaner technologies, waste minimisation and raw material substitution.

Describe the measures proposed or in place to ensure that:

- (a) The best available techniques are or will be used to prevent or eliminate or, where that is not practicable, generally reduce an emission from the activity;
- (b) no significant pollution is caused;
- (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
- (d) energy and other resources are used efficiently;
- (e) the necessary measures are taken to prevent accidents and limit their consequences;
- (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.

Supporting information should form Attachment No I.8.

SECTION J: ACCIDENT PREVENTION & EMERGENCY RESPONSE

See Supporting documentation & Attachments

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form Attachment Nº J.

SECTION K: REMEDIATION, DECOMMISSIONING, RESTORATION & AFTERCARE

See Supporting documentation & Attachments

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

Supporting information should be included as Attachment No. K.

SECTION L: STATUTORY REQUIREMENTS

See Supporting documentation & Attachments

Indicate how the requirements of Section 83(5)(a)(i) to (v) and (vii) to (x) of the EPA Acts, 1992 and 2003 shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5 (3) of the Act and the reasons for the selection of the arrangements proposed.

Indicate whether or not the activity is carried out, or may be carried out, or is located such that it is liable to have an adverse effect on -

- (a) a site placed on a list in accordance with Chapter 1 of SI 94 of 1997, or
- (b) a site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (92/43/EEC), or

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of S.I. No. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998).

Indicate whether any of the substances specified in the Schedule of the EPA (Licensing)(Amendment) 2004, S.I. 394 of 2004, are discharged by the activity to the relevant medium.

Fit and Proper Person See Supporting documentation & Attachments

The PoE Act in Section 83(5)(xi) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant or licensee or transferee as the case may be is a fit and proper person. Section 84(4) of the PoE Act specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the PoE Act, the Waste Management Act 1995, the Local Government (Water pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees.
- Provide information to show that the person is likely to be in a position to meet any
 financial commitments or liabilities that may have been or will be entered into or
 incurred in carrying on the activity to which the application relates or in
 consequence of ceasing to carry out that activity.

Supporting information should be included as **Attachment N^{\circ} L** with reference to where the information can be found in the application.

SECTION M: DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Environmental Protection Agency Acts, 1992 and 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by:
(on behalf of the organisation)

Print signature name: MARK HAMILL

Position in organisation: Quality Systems Manger

Consent of the organisation orga

Company stamp or seal:

ANNEX 1: TABLES/ATTACHMENTS OF THE PROPERTY OF

 Table E.1 (i) BOILER EMISSIONS TO ATMOSPHERE
 (1 Page for each emission point)

Periods of Emission

(avg)

Emission Point:		
Emission Point Ref. Nº:		
Location:	NOT APPLICABLE	
Grid Ref. (12 digit, 6E,6N):		
Vent Details	Diameter:	Height above Ground(m):
Date of commencement of emission:		Têc.
		Sally and other p.
Characteristics of Emission:		My any
Boiler rating Steam Output: Thermal Input:		kg/hr MW kg/hr
Boiler fuel		on a red
Type: Maximum rate at which fuel is burned % sulphur content:	itis fecti	kg/hr
NOx	F. Collyfile	mg/Nm ³ 0° C. 3% O_{2} (Liquid or Gas), 6% O_{2} (Solid Fuel)
Maximum volume* of emission	asent or	m³/hr 0°C, 3 % O₂ (liquid or gas), 6 % O₂ (solid fuel)
Temperature	°C(max) °C(min)	°C(avg)
	shall be based on Normal conditions of temperatu	re and pressure, (i.e. 0°C,101.3kPa), dry gas; 3% oxygen for liquid
gas fuels; 6% oxygen for solid fuels.		
(i) Period or periods during which emi included):	ssions are made, or are to be made, including	g daily or seasonal variations (start-up/shutdown to be

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_min/hr

_hr/day

_day/yr

TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. Nº:				
Source of Emission:	NOT APPI	LICABLE		
_ocation:				
Grid Ref. (12 digit, 6E,6N	N):			
Vent Details Diamet	er:			చి.
Height above Ground(n	n):			net it?
Date of commencement:			KA.	· and other
Characteristics of Em	ission:		nuposes diffed to	
(i) Volume to be em	nitted:		cht me	
Average/day	Nm³/d	Maximum/day	cot itight	Nm³/d
Maximum rate/hour	Nm³/h	Min efflux velocity	For intellinant	m.sec ⁻¹
(ii) Other factors		-	CONSETTE	
Temperature	°C(max)	°C(min)		°C(avg)
For Combustion Sources Volume terms expressed		□ dry.	%O ₂	
iii) Period or period to be included)		emissions are made, o	r are to be made, including da	ily or seasonal variations (<i>start-up /shut</i>
Periods of Emission (avg)			m	nin/hrhr/dayday/yr

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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission

(1 table per emission point)

Emission Point Reference Number:_____NOT APPLICABLE

Parameter	Prior to treatment ⁽¹⁾			Brief			As disch	narged ⁽¹⁾			
	mg/	Nm³	kg	ı/h	description	mg/Nm³		kg/h.		kg/year	
	Avg	Max	Avg	Max	of treatment	Avg	Max	Avg	Max	Avg	Max
					For its pection purposed to the feet of the copyright owner feet	यात्रं आप	net use.				

^{1.} Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.

TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor atmospheric emissions

NOT APPLICABLE

Emission point	Description		Emission	details ¹		Abatement system employed
Reference Numbers		material	mg/Nm 3(2)	kg/h.	kg/year	
					sould, and oth	e tige.
		C	gusent of copy i	oli unet		

¹ The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.

² Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

TABLE E.1(v): EMISSIONS TO ATMOSPHERE – Fugitive and Potential atmospheric emissions

NOT APPLICABLE

Emission point ref. no. (as per flow diagram)	Description	Malfunction which could cause an emission	Emission details (Potential max. emissions) ¹					
			Material	mg/Nm³	kg/hour			
		Çgreent di C	inspection purposes only any opping to make the purposes of the contract to th	get use.				

¹ Estimate the potential maximum emission for each malfunction identified.

TABLE E.2(i):	EMISSI	ONS TO S	URFACE WATERS		(One page for each emission)		
Emission Point: Ne	ed to Co	mplete					
Emission Point Ref. N	^o :	See suppo	orting documentatio	n and attachmen	ts		
Source of Emission:		Rain water					
Location :							
Grid Ref. (12 digit, 6E	,6N):						
Name of receiving wat	ters:	Inny river			artise.		
Flow rate in receiving	waters:				on the for a state of the state		Weather Flow -1 95%ile flow
Available waste assim capacity:	ilative				. on pure quit		kg/day
Emission Details:				. iS	\$6.00.		
(i) Volume to be	emitted			ÇOV.			
Normal/day		m ³	Maximum/day	a sent or			m ³
Maximum rate/hour		m ³		Cor			
(ii) Period or per to be include		ing which e	emissions are made,	, or are to be mad	de, including daily or seasonal varia	tions (<i>start-up /si</i>	hutdown
Periods of Emission (a	avg)				min/hr _	hr/day	day/yr
		<u> </u>					

TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____See supporting documentation and attachments _____

Parameter		Prior to tr	eatment				% Efficiency		
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
				<i>^</i>	for its pecton purposed for its pector of copyright owner red	soully any offen sired in the sired for any offen any of			

TABLE E.3(i):	EMISSIONS TO SEWER	(One pag	ge for each	emission
1 ADEL E.3(1).	LINISSICIAS IO SEVIER	(One par	ac ioi cacii	CITIIOSIOI

Emission F	Point:	NOT	APPL	ICABLE
-------------------	--------	-----	-------------	--------

Emission Point Ref. Nº:	
Location of connection to sewer:	
Grid Ref. (12 digit, 6E,6N):	
Name of sewage undertaker:	Tige.

Emission Details:

(i) Volume to be emitted	an Pirth Chirt	
Normal/day	m ³ Maximum/day	m³
Maximum rate/hour	m ³ For Pringe	

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (start-up /shutdown to be included):

Periods of Emission	min/hr	hr/day	day/yr
(avg)			

TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : NOT APPLICABLE

Parameter	Prior to treatment						% Efficiency		
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
					iksgedian pungted	solly, any other			

TABLE E.4(i): EMISSIONS TO GROUND (1 Page for each emission point)

Emission Point or Area: NOT APPLICAL	BLE				
Emission Point/Area Ref. Nº:					
Emission Pathway: (borehole, well, percolation area, soakaway, k	andspreading etc.)				
Location :	andspreading, etc.)				
Grid Ref. (12 digit, 6E,6N):					
Elevation of discharge: (relative to Ordnance l	Datum)	Jeg.	•		
Aquifer classification for receiving groundwate	r body:	offeet			
Groundwater vulnerability assessment (includ	ing vulnerability rating):	South air			
Identity and proximity of groundwater source	es at risk (wells, springs, etc):	ntp ⁰⁵ nirec			
Identity and proximity of surface water bodies	at risk:	actionative			
Emission Details:		of itely to			
(i) Volume to be emitted		of cold			
Normal/day	m ³ of	Maximum/day			m³
Maximum rate/hour	m ³				
(ii) Period or periods during which em to be included):	issions are made, or are to	be made, including daily or seaso	onal v	ariations (<i>start-u</i>	p /shutdown
Periods of Emission (avg)		mir	n/hr	hr/day	day/yr
	•				

TABLE E.4(ii): EMISSIONS TO GROUND - Characteristics of the emission (1 table per emission point)

Emission point/area reference number: NOT APPLICABLE

Parameter	Prior to treatment					As discharged				
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year		
				C	For its perion purps	s off any offer size of the si				

Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet NOT APPLICABLE (NO STATIONERY PLANT)

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band						Impulsive or tonal qualities	Periods of Emission			
				31.5	63	125	250	500	1K	2K	4K	8K		
										1150	•			
									1. A	thei				
								ses di	of alt.					
							2	Purposition						
							apection	let						
						For	tight							
						nt of co								

1. For items of plant sound power levels may be used.

TABLE F.1(i): ABATEMENT / TREATMENT CONTROL

Emission point reference number : ____See supporting documentation and attachments___

Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
		05	
		100	
		coffer de	
	Equipment ²	Equipment ² Equipment maintenance	Equipment 2 Equipment maintenance Equipment calibration

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
Total Suspended Solids	Grab samples to be pulled 4 times per year	Sample bottles, weight scales test completed by independent Jaboratory	Test equipment calibrated regularly by independent laboratory.

¹ List the operating parameters of the treatment / abatement system which control its function.
² List the equipment necessary for the proper function of the abatement / treatment system.
³ List the monitoring of the control parameter to be carried out.

TABLE F.2(i): EMISSIONS MONITORING AND SAMPLING POINTS

(1 table per monitoring point)

Emission Point Reference No. : COMPLETE 1 TABLE PER SAMPLE POINT See supporting documentation and attachments

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique
			use.	
			de a other	
			ses diorati,	
		ζ.	urganite	
		spection	Ø.	
		Forthelit		

TABLE F.2(ii): AMBIENT ENVIRONMENT MONITORING AND SAMPLING POINTS (1 table per monitoring point)

Monitoring Point Reference No : _____ Dust Gauges (See supporting documentation and attachments)_____

Parameter	Monitoring frequency	Accessibility of Sampling point	Sampling method	Analysis method / technique
		Consent of copyright out	bulloses of ly any other tree.	

Table G.1(i) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. Nº or Code	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R ⁽³⁾ - Phrase	S ⁽³⁾ - Phrase
	Diesel Oil Fuel (need to complete)	30-5	EU Category of Danger: Carcinogenic category 3 Harmful	5,000 litres	70,000 Litres	Fuel consumption for mobile [©] harvesting plant.	R36/37 R51/53 R65	S2 S24 S43 S62

Notes:

- 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.

 2. c.f. Article 2(2) of SI Nº 77/94

 3. c.f. Schedules 9 and 10 of SI No 62/2004

Table G.1(ii) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. Nº or	Material/	TA Luft Class 1,		Odour of Control			EU Lists I and II (Tick and specify Group/Family Numbe				
Code	Substance ⁽¹⁾	2 or 3	Odourous Threshold			_	erous		dwater		
			Yes/No	Description			s Directive	_	ctive		
						70/40	4/EEC	80/6	8/EEC		
					μ g/m ³	List I	List II +129 ⁴	List I	List II		
	Diesel Oil Fuel (need to complete)		Yes	Gas like Fuel							

Notes (cont.): 4. The European Commission priority candidate list

TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site Recovery/Dispos al	Off-site Recovery, reuse or recycling	Off-site Disposal
			Tonnes / month	m ³ / month	(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
Not Applicable			Ç	for its pector	Durdoses only any other the		

 $^{^{\}mbox{\scriptsize 1}}$ $\,$ A reference should be made to the main activity / process for each waste.

TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ²	Off-site Recovery, reuse or recycling	Off-site Disposal
			Tonnes / month	m ³ / month	(Method & Location)	(Method, Location &	(Method, Location &
			monen		Location	Undertaker)	Undertaker)
Not Applicable				; trest.	cited thereoge's only any other	. L.	

1 A reference should be made to the main activity/ process for each wastes.
2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: __Complete for each sample point (See supporting documentation and attachments)_____

Parameter			sults ig/l)		Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Date Date Date		-	_			
pH							
Temperature							
Electrical conductivity EC						, 1150°	
Ammoniacal nitrogen NH ₄ -N					.તા. જે	ex.	
Chemical oxygen demand					Only are		
Biochemical oxygen demand					iposes alto		
Dissolved oxygen DO					To Lear		
Calcium Ca					chianci		
Cadmium Cd					SP OF		
Chromium Cr				√ot.	119		
Chloride Cl				, of	7		
Copper Cu				, of			
Iron Fe				sent			
Lead Pb				COIL			
Magnesium Mg							
Manganese Mn							
Mercury Hg							

Surface Water Quality (Sheet 2 of 2)

Parameter			sults g/l)		Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique	
	Date	Date	Date	Date	,			
Nickel Ni								
Potassium K								
Sodium Na								
Sulphate SO ₄								
Zinc Zn								
Total alkalinity (as CaCO ₃)						.01*		
Total organic carbon TOC						113°		
Total oxidised nitrogen TON					10.14			
Nitrite NO ₂					s of sor de			
Nitrate NO₃					ose ed			
Faecal coliforms (/100mls)					OR PURPLEBLIE			
Total coliforms (/100mls)					activities			
Phosphate PO ₄				*	15 ht			

Table I.4(i) GROUNDWATER QUALITY
(Sheet 1 of 2) Monitoring Point/ Grid Reference: NOT APPLICABLE

Parameter	Results (mg/l)		Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique		
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N						, 15°E.	
Dissolved oxygen DO					8	e ^x	
Residue on evaporation (180°C)					्र त्याप वर्षे		
Calcium Ca					36° 35'		
Cadmium Cd					on Predite		
Chromium Cr					on troop		
Chloride Cl					actienties		
Copper Cu				.,5	P _N O		
Cyanide Cn, total				çoi,	ios .		
Iron Fe				, col			
Lead Pb				, ot			
Magnesium Mg				SELLE			
Manganese Mn				Cott			
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

Groundwater Quality (sheet 2 of 2)

Parameter			esults mg/l)		Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date	-		
Phosphate PO ₄							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)						use.	
Total organic carbon TOC						inet	
Total oxidised nitrogen TON					अग्रेप, व्याप	0	
Arsenic As					ses y for		
Barium Ba					1170 Tirel		
Boron B					an Parison		
Fluoride F					cition V real		
Phenol					asper oth		
Phosphorus P					of tight		
Selenium Se				Y	.00%		
Silver Ag				્રં)		
Nitrite NO ₂				cent			
Nitrate NO₃				Course			
Faecal coliforms (
/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

TABLE I.4(ii): LIST OF OWNERS/FARMERS OF LAND

Land Ov	wner	Townland	ls wher	e lands	preadir	ıg	Map Reference		Fertiliser P requ			
Not Applica	ble							*NMP musi	take account o	of on-farm slu	rry	
		nent of th			_				offer use.			
TABLE I.4(ii): LANDSPREADING												
Total P requirement of the client List TABLE I.4(ii): LANDSPREADING Land Owner/FarmerNot Applicable Map Reference Field Total (a) Soil Crop P Volume of Estimated P (b) P Applied Total Volume												
Field ID	Total Area (ha)	(a) Usable Area (ha)	Soil P Test Mg/l	Date of P test	Crop	P Required (kg P/ha)	Returned (m³/ha)	Estimated P in On-Farm Sturry (kg P/ha)	(b) Volume to be Applied (m³/ha)	P Applied (kg P/ha)	Total Volume of imported slurry per plot (m³)	
							Consent					
TOTAL VOLUME THAT CAN BE IMPORTED ON TO THE FARM:												
Concent	ration c	of P in land	dspread	d mater	ial		- kg P/r	n ³				
Concent	ration c	f N in lan	dspread	d mater	ial		- kg N/	′m³				

Table I.7(i): AMBIENT NOISE ASSESSMENT Not Applicable

Third Octave analysis for noise emissions should be used to determine tonal noises

	National Grid Reference		Sound Pressure Levels	
	(6N, 6E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY			-	
Location 1:				
Location 2:			g.•	
Location 3:			, Itse	
Location 4:			athe.	
2. NOISE SENSITIVE LOCATIONS			oses officially	
Location 1:			aut uit	
Location 2:			ion ation	
Location 3:			accit with	
Location 4:			113 ht	

NOTE: All locations should be identified on accompanying drawings of the control of the control

ANNEX 2: CHECKLIST FOR ARTICLE 10 COMPLIANCE

Article 10 of the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004 sets out the statutory requirements for information to accompany a licence application. The Application Form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, all Applicants should complete the following checklist and submit it with the completed Application Form.

Arti	cle 10(2)	Section in Application	Checked by Applicant ✓
(a)	give the name, address and telephone number of the applicant and, if different, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,		
(b)	give - (i) in the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or (ii) in any other case, the gross capital cost of the activity to which the application relates,		
(c)	give the name of the planning authority in whose functional area the detivity is or will be carried on,		
(d)	in the case of a discharge of any trade effluent or other matter other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,		
(e)	give the location or postal address (including where appropriate, the name of the relevant townland or townlands) and the National Grid reference of the premises to which the activity relates,		
(f)	specify the relevant class or classes in the First Schedule to the Act to which the activity relates,		
(g)	specify the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity,		
(h)	describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity,		

Arti	cle 10(2) continued/	Section in Application	Checked by Applicant ✓
(i)	indicate how the requirements of section $83(5)(a)(i)$ to (v) and (vii) to (x) of the Act shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section $5(3)$ of the Act and the reasons for the selection of the arrangements proposed,		
(j)	give particulars of the source, nature, composition, temperature, volume, level, rate, method of treatment and location of emissions, and the period or periods during which the emissions are made or are to be made,		
(k)	describe the arrangements for the prevention or minimisation of waste and, where waste is produced, the on and of site arrangements for the recovery or disposal of solid and liquid wastes,		
(1)	specify, by reference to the relevant European Waste Catalogue codes as prescribed by commission Decision 2000/532/EC of 03 May 2000, the quantity and nature of the waste or wastes produced or to be produced by the activity,		
(m)	provide: (i) details, and an assessment, of the impacts of any existing or proposed emissions on the environment, including on an environmental medium other than that or those into which the emissions are or are to be made, and (ii) details of the proposed measures to prevent or eliminate, or where that is not practicable, to limit, reduce or abate emissions,		
(n)	identify monitoring and sampling points and outline proposals for monitoring emissions and the environmental consequences of any such emissions,		
(0)	describe the condition of the site of the installation,		
(p)	describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,		
(q)	specify the measures to be taken to comply with an environmental quality standard where such a standard requires stricter conditions to be attached to a licence than would otherwise be determined by reference to best available techniques,		

Arti	cle 10(2) continued/	Checked by Applicant ✓
(r)	describe the measures to be taken for minimising pollution over long distances or in the territory of other states,	
(s)	describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages,	
(t)	describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state,	
(u)	describe, in the case of an activity which gives, or could give rise, to an emission containing a hazardous substance which is discharged to an aquifer and is specified in the Annex to Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution caused by certain dangerous substances, the arrangements necessary to comply with said Council Directive,	
(v)	include any other information required under Article 6(1) of Council Directive 96/61/EC of 24 September 1996 concerning integrated pollution prevention and control,	
(w)	include a non-technical summary of information provided in relation to the matters specified in paragraphs (f) to (v) above,	
(x)	state whether the activity consists of, comprises, or is for the purposes an establishment to which the European Communities (Control of Major Accident Hazards Myolving Dangerous Substances) Regulations, 2000 apply,	

	cle 10(3) nout prejudice to Article 12(1), an application for a licence shall be accompanied by -	Section in Application	Checked by Applicant ✓
(a)	a copy of the relevant page of the newspaper in which the notice in accordance with article 6 has been published,		
(b)	a copy of the text of the site notice erected or fixed on the land or structure in accordance with article 7,		
(c)	a copy of the notice given to the planning authority under section 85(1)(a) of the Act,		
(d)	a copy of such plans, including a site plan and location map (no larger than A3), and such other particulars, reports and supporting documentation as are necessary to identify and describe -		
	(i) the activity		
	(ii) the position of the site notice in accordance with article 7,		
	(iii) the point or points from which emissions are made or are to be made, and		
	(iv) monitoring and sampling points, and		
(e)	a fee specified in accordance with section 94 of the Act.		

Arti	cle 10(4)	Checked Applicant	
(b)	A signed original and 2 hardcopies of the application and accompanying documents/particulars in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.		
	In cases where an E.I.S. is required to be submitted to the Agency in support of the application, a signed original and 2 hardcopies of the EIS plus 16* copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.		
	* Energy sector applicants = 18 copies		
	Hardcopies submitted.		
	CD version submitted.		

Attachment No. B8:

Shows are copy of the News paper Article and a site map indicating the positioning of the notice for the site.

25

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PROTECTION AGENCY FOR A LICENCE Westland Horticulture Limited, 14 Granville Industrial Estate, Granville

APPLICATION TO THE ENVIRONMENTAL

Road, Dungannon, Co. Tyrone; will apply to the Environmental Protection Agency for a Licence in respect of its current Operations at Ballinealoe, Mayne, Lower Coole & Clonsara, County Westmeath. These operation sites are located at National Grid References:

E239259, N271289 E239246, N271815 E239547, N272724 £241639, N276801

The application is made in respect of the existing activity Of Peat extraction in accordance with the Environmental Protection Agency Act of 1992 - 1997, under class 1.4 of the new First Schedule to the Act; The extraction of peat in the course of business which involves an area exceeding 50 hectares.

A copy of this application for a licence may be inspected at or obtained from the headquarters of the Agency as soon as IS practicable after the receipt by the Agency of the application for the licence.

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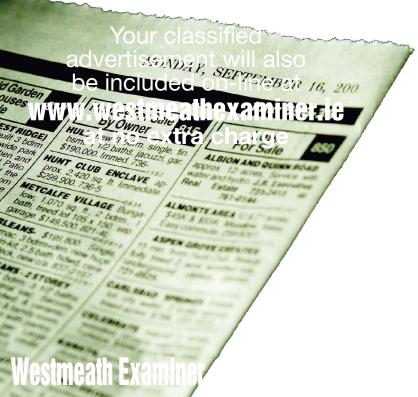
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APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A LICENCE

Westland Horticulture Limited, 14 Granville Industrial Estate, Granville Road, Dungannon, Co. Tyrone; will apply to the Environmental Protection Agency for a Licence in respect of its current Operations at Ballinealoe, Mayne, Lower Coole & Clonsara, County Westmeath. These operation sites are located at National Grid References:

E239259, N271289 E239246, N271815 E239547, N272724 E241639, N276801

spection purposited

The application is made in respect of the existing activity
Of Peat extraction in accordance with the
Environmental Protection Agency Act of 1992 – 1997, under class 1.4
of the new First Schedule to the Act;
The extraction of peat in the course of business which
involves an area exceeding 50 hectares.

A copy of this application for a licence may be inspected at or obtained from the headquarters of the Agency as soon as IS practicable after the receipt by the Agency of the application for the licence.

Attachment No. C.1:

WI2001 Peat
Harvesting
Operational Controls
Procedure



TITLE: PEAT HARVESTING SITE OPERATIONAL CONTROLS

DOCUMENT #: WI20/01

REV: 0

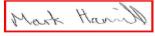
REV DESCRIPTION OF CHANGE EFFECTIVE RELEASE AUTHOR

DATE DATE

O ORIGINATE: 23/06/09 24/06/09 MARK HAMILL







Date 24/06/09

DOCUMENT NUMBER
WI20/01
REV 0

PAGE 1 OF 2

1 PURPOSE

1.1 To provide detailed instructions for the correct operational practises in the peat harvesting process to minimise air borne dust emissions & potential pollution of waterways with silt.

2 SCOPE

2.1 Applicable to all peat harvesting operatives operating on site.

3 APPLICABLE DOCUMENTS

- 3.1 WI20/02 Silt Pond Inspection & Sampling
- 3.2 WI20/03 Silt Pond Cleaning

4 MATERIALS REQUIRED

4.1 None specified

5 SAFETY

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

6 PROCEDURE

- Drivers must take care not to turn short over drains at headlands playing close attention to proximity to drains and being careful to limit speed.
- 6.2 Drainage manholes must be maintained free of peat at all times.
- 6.3 Outside harrow spoons must be directed away from drains to ensure no silt can be deposited.
- Operators need to pay close attention to proximity to drains and ensure that harrowers, millers & ridgers do not drag loose peat into drains or generate air borne dust or silt.
- All headlands and travel areas must be kept free of loose peat at all times by regular ridging & harvesting.
- There should be no harvesting equipment transportation in the designated 30 metre buffer zone adjacent to the river Inny.
- 6.7 Traffic along headlands will be kept to a minimum and slow speeds maintained.
- 6.8 When harvesting the jib will be maintained low to the stockpile.
- 6.9 All road transported peat will be suitable covered / sheeted to prevent dust emissions.
- At the end of season all milled peat remaining on fields should be ridged or compacted to prevent airborne dust generation or silf deposition in waterways.
- 6.11 There should be no stock piling of loose peat within 100 metres of the River Inny.
- 6.12 Production operations will be suspended in very windy weather.

7 MISCELLANEOUS

7.1 Original Training Records Will Be Held On Site In peat Harvesting Area

8 ATTACHMENTS

8.1 TR20/01 Training Record For Peat Harvesting Operational Controls

TR20/01 Training
Record For Peat Harv

APPROVED BY



Date 24/06/09

WI20/01
REV 0
PAGE 2 OF 2



SILT POND VISUAL INSPECTION & SAMPLING REQUIREMENTS
WI20/02
0

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1 PURPOSE

- 2 To provide detailed instructions on the inspection and sampling requirements for monitoring silt ponds
- 3 SCOPE
 - 3.1 Applicable to peat harvesting site manager and all site operatives.

4 APPLICABLE DOCUMENTS

- 4.1 WI20/01 Peat Harvesting Operational Controls
- 4.2 WI20/03 Silt Trap Cleaning Process

5 MATERIALS REQUIRED

- 5.1 1 Litre Sampling bottles
- 5.2 Appropriate footwear e.g. Wellington boots

6 SAFETY

6.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

7 PROCEDURE

- 7.1 Visual inspection audit should be completed on all silt traps at the Coolnagun bog site every week.
- 7.2 The visual inspector is required to audit & identify any significant changes in silt pond water level and speed of over flow from outlet. Any significant changes in increased water level or increased overflow speed should be recorded in the visual inspection record sheet attached and the site manager is to be informed to adjust weir level accordingly.
- 7.3 In the comments section record any unusual observations evidence of fuel discharge etc.
- 7.4 The visual inspection is also required to highlight any evidence of silt deposition in the outlets from the silt traps. If any evidence of silt deposition is noted record it in the visual inspection record sheet attached and inform the site manager to de-sludge the silt trap.
- 7.5 On a monthly frequency a sample of the overflow from each silt trap will be collected and analysed.
- 7.6 The sample needs to be pulled in a safe manner taken from the overflow of the silt trap outlet and filled into a 1 litre sampling bottle provided.
- 7.7 The date & time of sampling and the sitt trap ID will be recorded on the record sheet attached and also on the label of the sample south.
- 7.8 The samples will be sent to the Quality control lab in Granville Dungannon for the attention of the Technical manager John Duggan for analysis for suspended solids.
- 7.9 The suspended solids data will be recorded on the Lab analysis record sheet attached and the results will be emailed to the Coolnagun peat harvesting site manager.
- 7.10 If any of the results for suspended solids analysis exceed the limit of 35 Mg/l for suspended solids then the Peat Harvesting site manager will be informed immediately to take remedial action to desludge the specific silt ponds that have exceeded specification limits.

8 MISCELLANEOUS

- 8.1 The contact number for the Coolnagun site manager is 00353872775840
- 8.2 Original Training Records Will Be Retained On Site In Peat Harvesting Area

9 ATTACHMENTS

- 9.1 WIR20/02 Silt Pond Visual Audit & Inspection Record Sheet
- 9.2 WIR20/02b Silt Pond Sampling Record Sheet
- 9.3 TR20/02 Silt Pond Visual Inspection & Sampling Requirements







WIR20/02 Silt Pond WIR20/02b Silt Pond TR20/02 Training Visual Audit & Inspect Sampling Record Shee Record Silt Pond Visual

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WIR20/02 Silt Pond Visual Audit Inspection Record Sheet

					Visual Inspection & Audit				
Date	Time	Location	Silt Pond ID	Silt Pond level	Overlow Flow Speed	Evidence Of Silt Deposition Post Overflow (Yes /No)	Comments e.g. Evidence of silt deposition fuel leaks. Or other pollutants.	Actions Required	
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	Spari				College				



WIR20/02b Silt Pond Sampling Record Sheet

	Time				Samp	oling Record	
Date		Location	Silt Pond ID	Observations i.e. Sampling Flow Rate & Silt Trap Level	Sample Successfully Collected (Yes/No)	Sample Correctly Labelled (Yes/No)	Comments
						vec.	
					Petitor Proposes and any other		
					2 Programmed For		
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SILT POND CLEANING PROCEDURE			
WI20/03			
0			

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1 PURPOSE

1.1 To provide detailed instructions on when & how to clean out silt settlement ponds.

2 SCOPE

2.1 Applicable to Site supervisor & operatives

3 APPLICABLE DOCUMENTS

- 3.1 WI20/01 Peat Harvesting Operational Controls
- 3.2 WI20/02 Silt Pond Visual Inspection & Sampling Requirements

4 MATERIALS REQUIRED

- 4.1 Adjustable weir control
- 4.2 Mechanical Excavation equipment

5 SAFETY

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

6 PROCEDURE

- All silt ponds need to be cleaned out a minimum of 2 times per year preferably in April before Peat Harvesting commences and in September after production has ceased for the year.
- 6.2 In years with higher than normal average rainfall the silt ponds should be cleaned out a 3rd time possibly in January.
- 6.3 The silt ponds will also be cleaned out as required dependent on the feedback from visual audit inspection competed every week for all silt traps.
- 6.4 Or alternatively based on the analytical results completed every 4 weeks for all silt traps for suspended solids exceeding 35 Mg/Litre as stipulated by Environmental Protection Agency.
- Particular attention should be paid to silt pond cleanliness and weir level adjustment post occurrences of heavy rainfall.
- 6.6 When cleaning silt ponds the weir on the outlet of the silt traps need to be dammed up to contain all the liquid within the settlement trap ensuring that there is sufficient capacity to hold up to 6 hours worth of runoff volume.
- 6.7 The silt pond should be cleaned from upstream direction towards the down stream outfall.
- 6.8 The silt pond will then be dredged with mechanical digger with the excavated sludge being spread onto production fields and allowed to dry out or used for maintenance and bulldozed over cut away bog and stabilised.
- 6.9 Special care needs to be paid to ensure there is no run off back into the silt trap during cleaning and that we do not cause any additional peat deposition into the silt traps by disturbing the side walls.
- 6.10 The outlet of the silt trap needs to remain closed post cleaning and not opened until all suspended peat particles in the trap have settled post being disturbed by cleaning.

7 MISCELLANEOUS

7.1 Original training records will be retained on site in Peat Harvesting Area.

8 ATTACHMENTS

- 8.1 WIR20/03 Silt Pond Cleaning Record
- 8.2 TR20/03 Silt Pond Cleaning Training Record



W

WIR20/03 Silt Pond Cleaning Record TR20/03 Training Record Silt Pond Clea

APPROVED BY: Mark Hand

Date 24/06/09

DOCUMENT NUMBER WI20/03

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WIR20/03 Silt Pond Cleaning Record Sheet

					Clear	ning Record	
Date	Time Cleaning Commenced	Location	Silt Pond ID	Reason For Cleaning i.e. Scheduled / Post Visual Or Analytical Feddback etc	Weir Dammed Off Completion (Yes/No)	Time Weir Level Adjusted to Allow Outflow	Comments
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					1		
	Lock of A					.	
	12.5				14. ay office		
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TITLE:	PEAT HARVESTING SITE OPERATIONAL CONTROLS		
DOCUMENT #:	WI20/01		
REV:	0		

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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APPROVED BY Mark Hamil	Date 24/06/09
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1 PURPOSE

1.1 To provide detailed instructions for the correct operational practises in the peat harvesting process to minimise air borne dust emissions & potential pollution of waterways with silt.

2 SCOPE

2.1 Applicable to all peat harvesting operatives operating on site.

3 APPLICABLE DOCUMENTS

- 3.1 WI20/02 Silt Pond Inspection & Sampling
- 3.2 WI20/03 Silt Pond Cleaning

4 MATERIALS REQUIRED

4.1 None specified

5 SAFETY

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

6 PROCEDURE

- 6.1 Drivers must take care not to turn short over drains at headlands playing close attention to proximity to drains and being careful to limit speed.
- 6.2 Drainage manholes must be maintained free of peat at all times.
- 6.3 Outside harrow spoons must be directed away from drains to ensure no silt can be deposited.
- 6.4 Operators need to pay close attention to proximity to drains and ensure that harrowers, millers & ridgers do not drag loose peat into drains or generate air borne dust or silt.
- 6.5 All headlands and travel areas must be kept free of loose peat at all times by regular ridging & harvesting.
- There should be no harvesting equipment transportation in the designated 30 metre buffer zone adjacent to the river Inny.
- 6.7 Traffic along headlands will be kept to a minimum and slow speeds maintained.
- 6.8 When harvesting the jib will be maintained www to the stockpile.
- 6.9 All road transportedpeat will be suitable covered / sheeted to prevent dust emissions.
- At the end of season all milled peat remaining on fields should be ridged or compacted to prevent airborne dust generation or silt deposition in waterways.
- 6.11 There should be no stock piling of loose peat within 100 metres of the River Inny.
- 6.12 Production operations will be suspended in very windy weather.

7 MISCELLANEOUS

7.1 Original Training Records Will Be Held On Site In peat Harvesting Area

8 ATTACHMENTS

8.1 TR20/01 Training Record For Peat Harvesting Operational Controls



TR20/01 Training Record For Peat Harv

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DOCUMENT NUMBER WI20/01

REV 0

PAGE 2 OF 2



This is to certify that the Environmental Management System of

Westland Horticulture

14 Granville Industrial Estate, Granville Road, Dungannon, Co. Tyrone, BT70 1NJ applicable to

Processing and packaging of growing media and soil ameliorants

has been assessed and registered by NQA against the provisions of

BS EN ISO 14001: 2004

This registration is subject to the company maintaining an environmental management system, to the above standard, which will be monitored by NQA

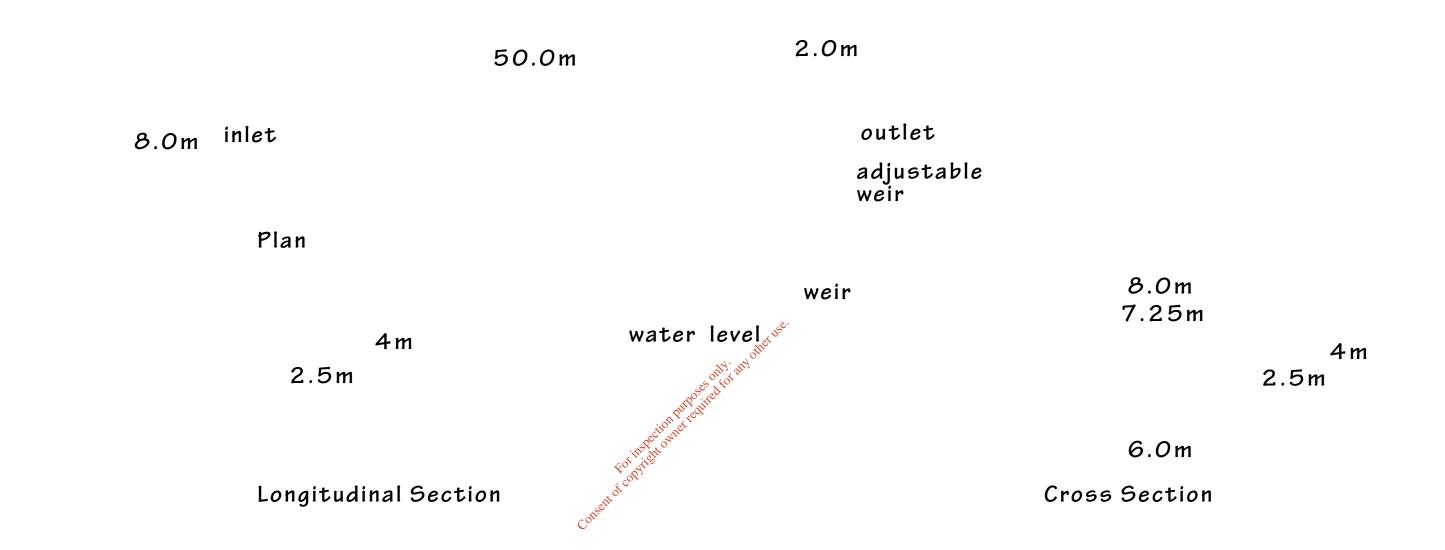
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Head of NQA



Certificate No: Date: Reissued: Valid Until:

14 November 2001 10 September 2008 10 September 2011



Lower Coole Westland Horticulture

greeveskellycairns

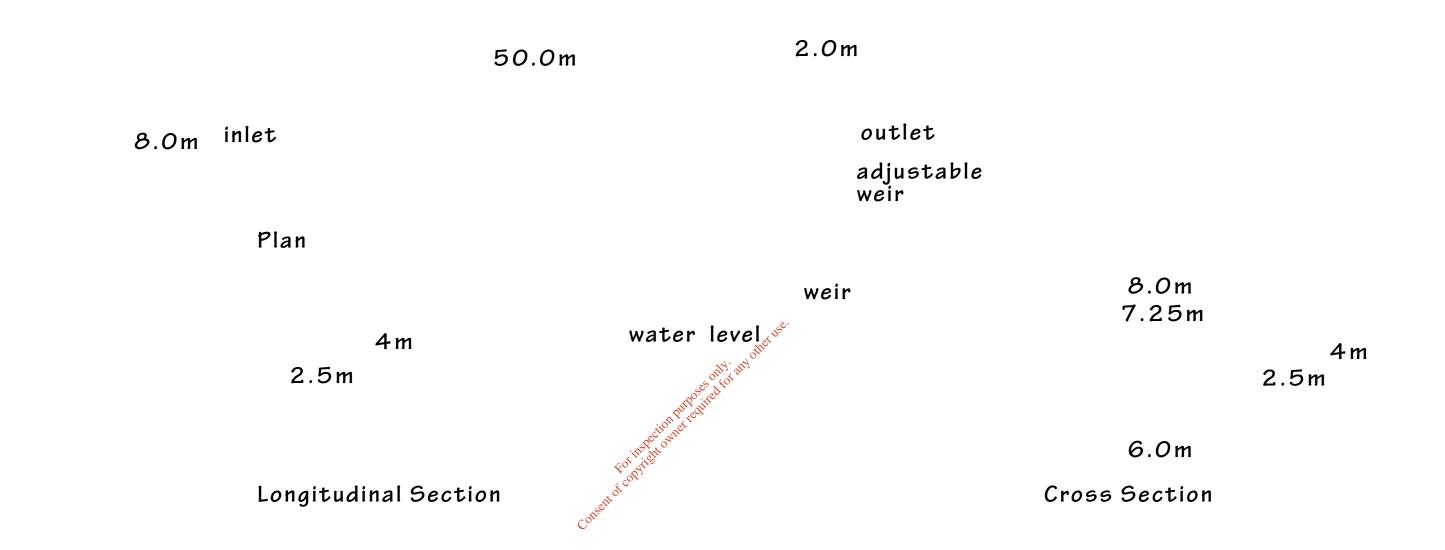
design@greeveskellycairns.co.uk www.greeveskellycairns.co.uk



grid ref east 239547.6490 grid ref west 272724.634

50 metres long
6.38metres wide
3.5-2.5 metres deep (max-min)
capacity 1160-830 (max-min) cubic Metres

16 Ha of bog flows into this pond



Lower Coole Westland Horticulture

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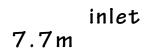


grid ref east 239547.6490 grid ref west 272724.634

50 metres long
6.38metres wide
3.5-2.5 metres deep (max-min)
capacity 1160-830 (max-min) cubic Metres

16 Ha of bog flows into this pond

120m





Mayne Westland Horticulture

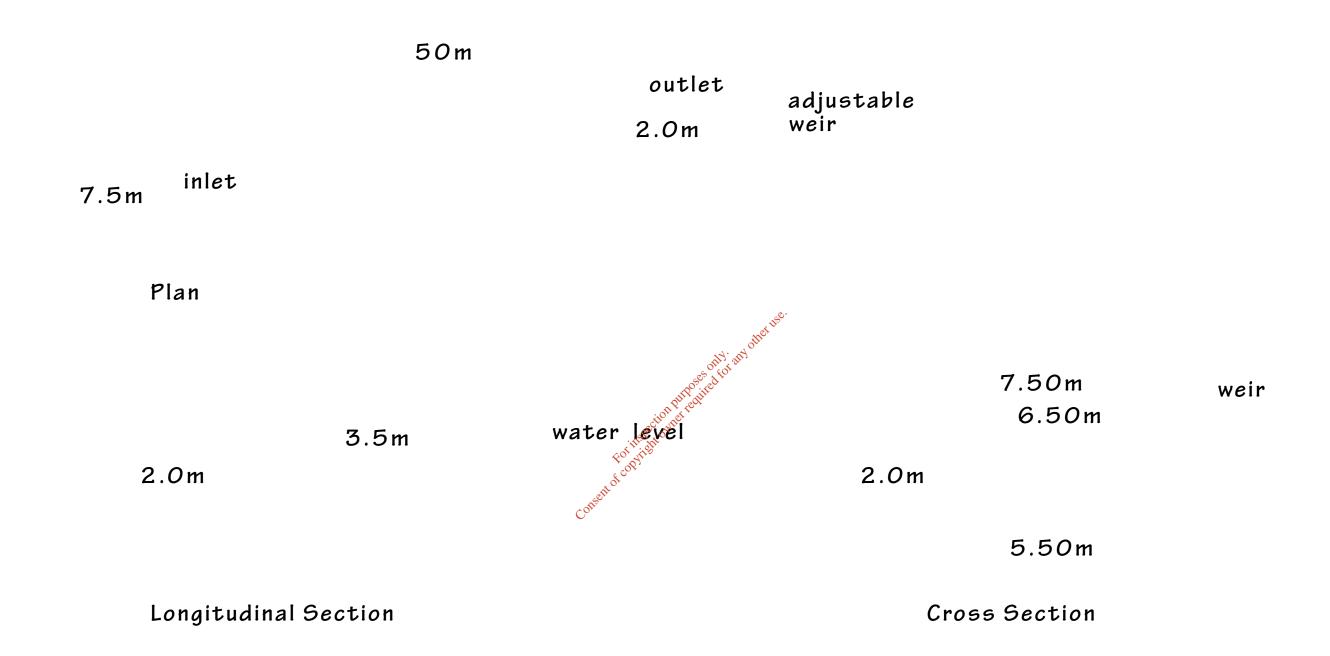
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grid ref east 239262.5900 grid ref west 272362.554

120 metres long
7.75 metres wide
3 - 2 metres deep (max - min)
capacity 2800 - 1860 cubic Metres (max - min)
36 Ha of bog flows into this pond



Mayne Westland Horticulture

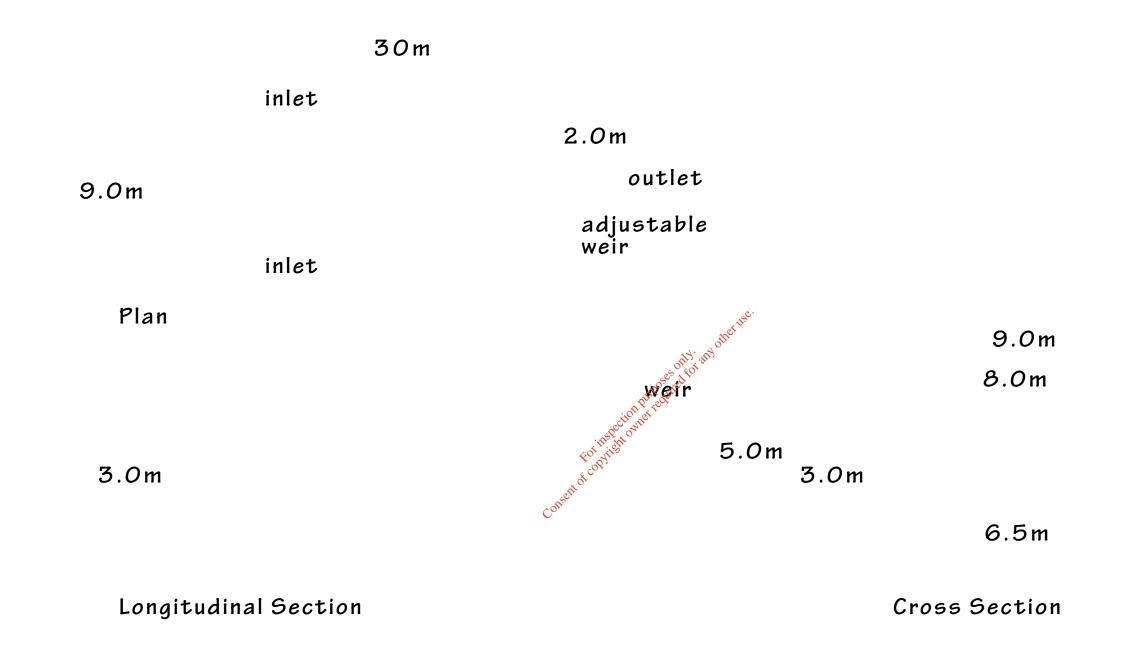
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grid ref east 239246.5900 grid ref west 271815.436

50 metres long
7.5 metres wide
3 - 2 metres deep (max - min)
capacity 1125 - 750 cubic Metres (max - min)
15 Ha of bog flows into this pond



Mayne Westland Horticulture

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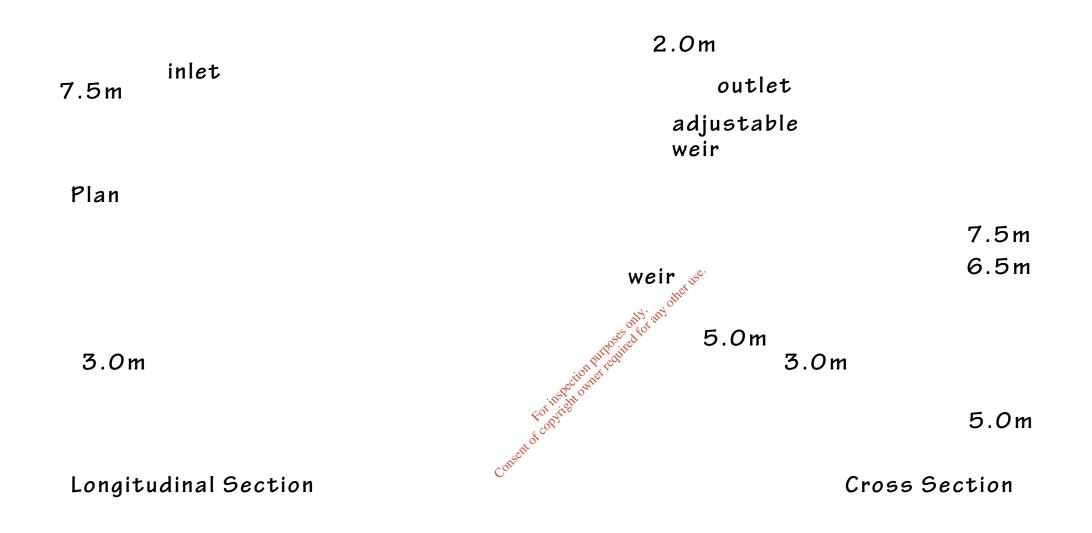
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grid ref east 239446.6350 grid ref west 271443.357

30 metres long
9.0 metres wide
4 - 3 metres deep (max - min)
capacity 1080 - 810 cubic Metres (max - min)
16 Ha of bog flows into this pond

40m



Ballinealoe Westland Horticulture

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grid ref east 239822.7180 grid ref west 271192.305

40 metres long
7.5 metres wide
4 - 3 metres deep (max - min)
capacity 1200 - 900 cubic Metres (max - min)
16 Ha of bog flows into this pond

30 m

2.0m
outlet 7.5m
adjustable weir
Plan

2.5m

weintenden der A.5m
2.5m

Longitudinal Section

Cross Section

Ballinealoe Westland Horticulture

greeveskellycairns

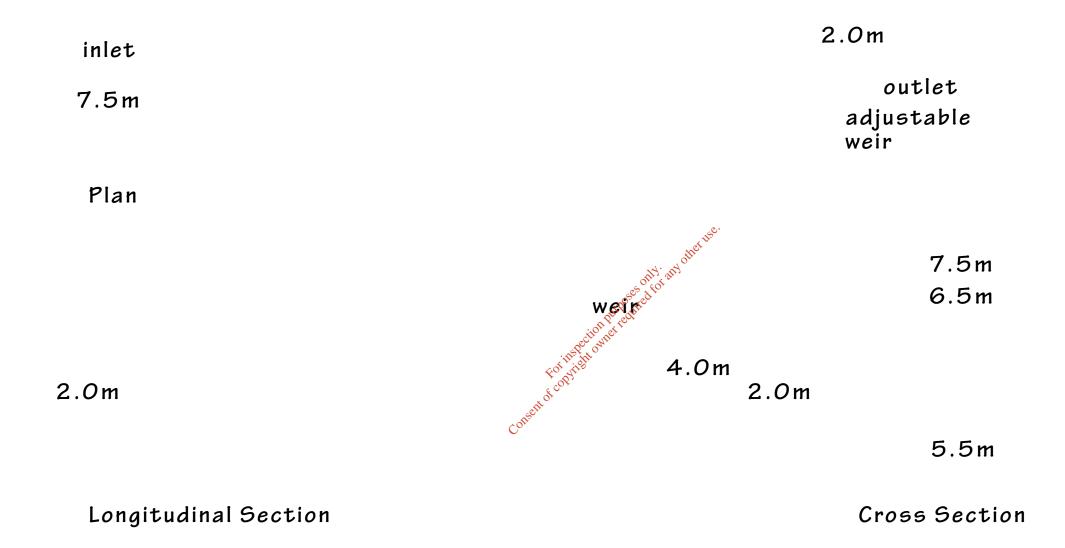
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grid ref west 271289.322
30 metres long
7.5 metres wide
3.5 - 2.5 metres deep (max - min)
capacity 787 - 560 cubic Metres (max - min)
11 Ha of bog flows into this pond

grid ref east 239259.5960

60m



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grid ref east 240337.8330
grid ref west 270693.200
60 metres long
7.5 metres wide
3.0 - 2.0 metres deep (max - min)
capacity 1350 - 900 cubic Metres (max - min)
18 Ha of bog flows into this pond



Clonsura Westland Horticulture

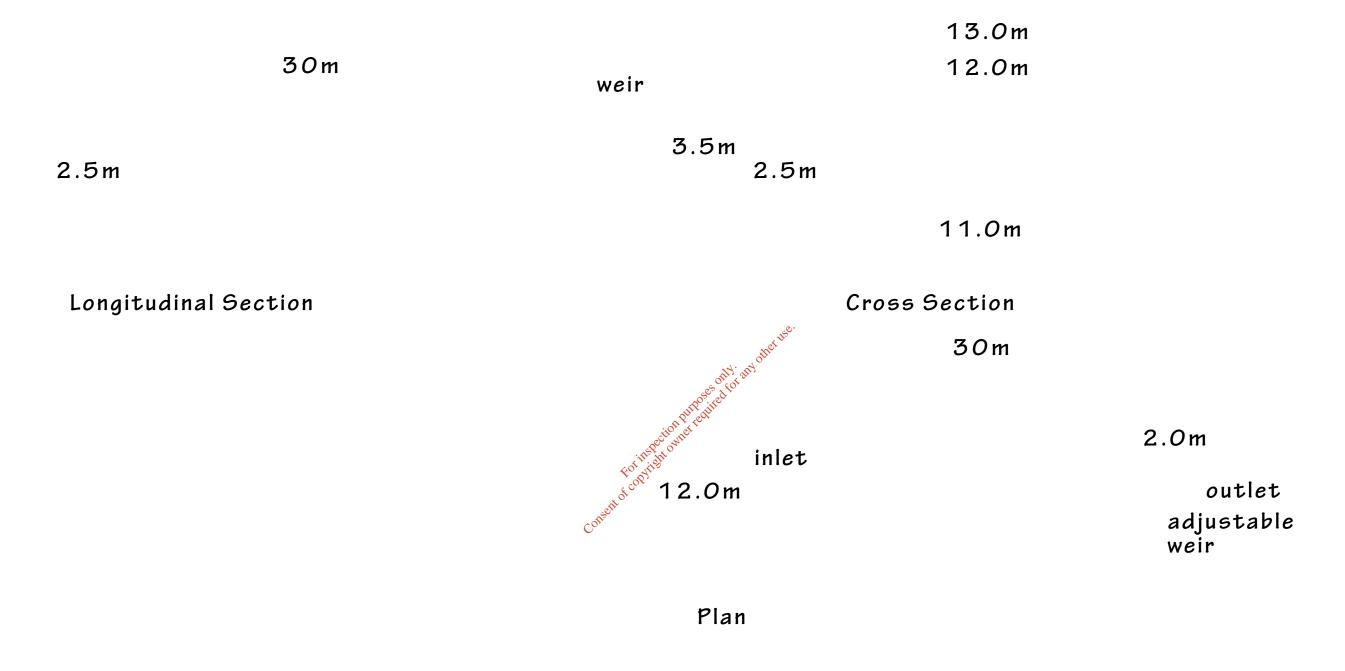
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grid ref west 2767672.514
30 metres long
12 metres wide
3.5 - 2.5 metres deep (max - min)
capacity 1260 - 900 cubic Metres (max - min)
16 Ha of bog flows into this pond

grid ref east 241290.9980



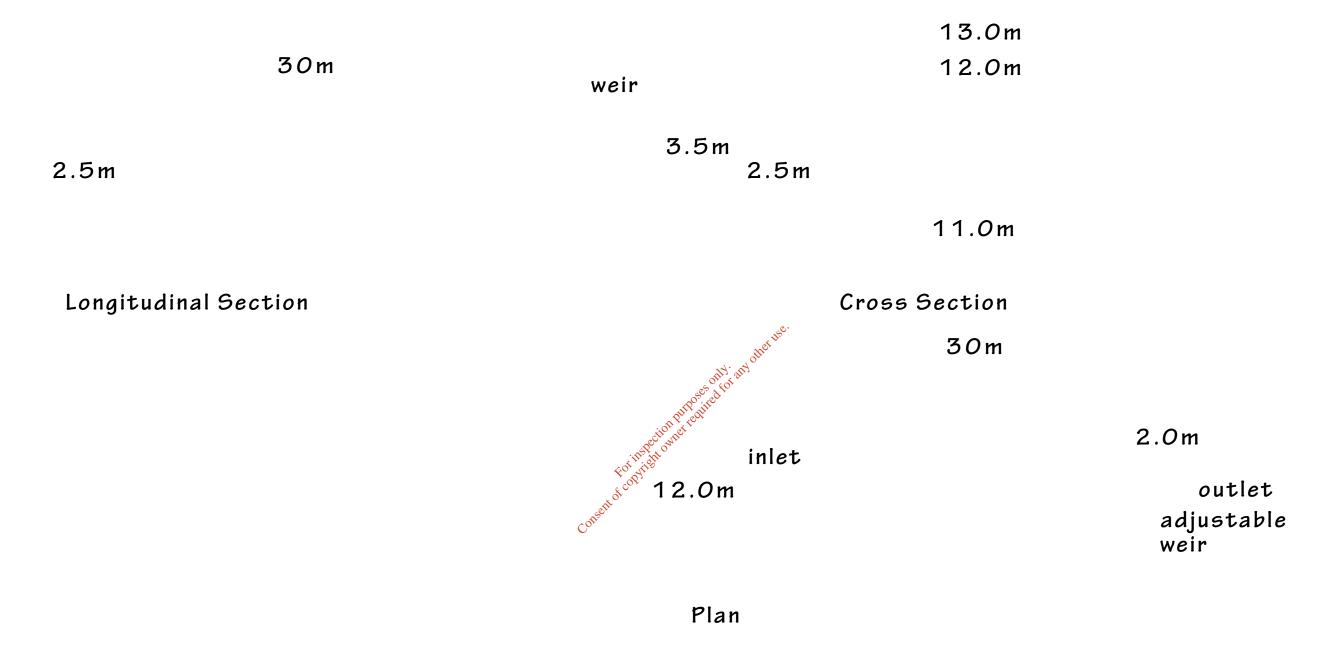
Clonsura Westland Horticulture

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grid ref east 241639.0750
grid ref west 276801.460
30 metres long
12 metres wide
3.5 - 2.5 metres deep (max - min)
capacity 1260 - 900 cubic Metres (max - min)
16 Ha of bog flows into this pond



Clonsura Westland Horticulture

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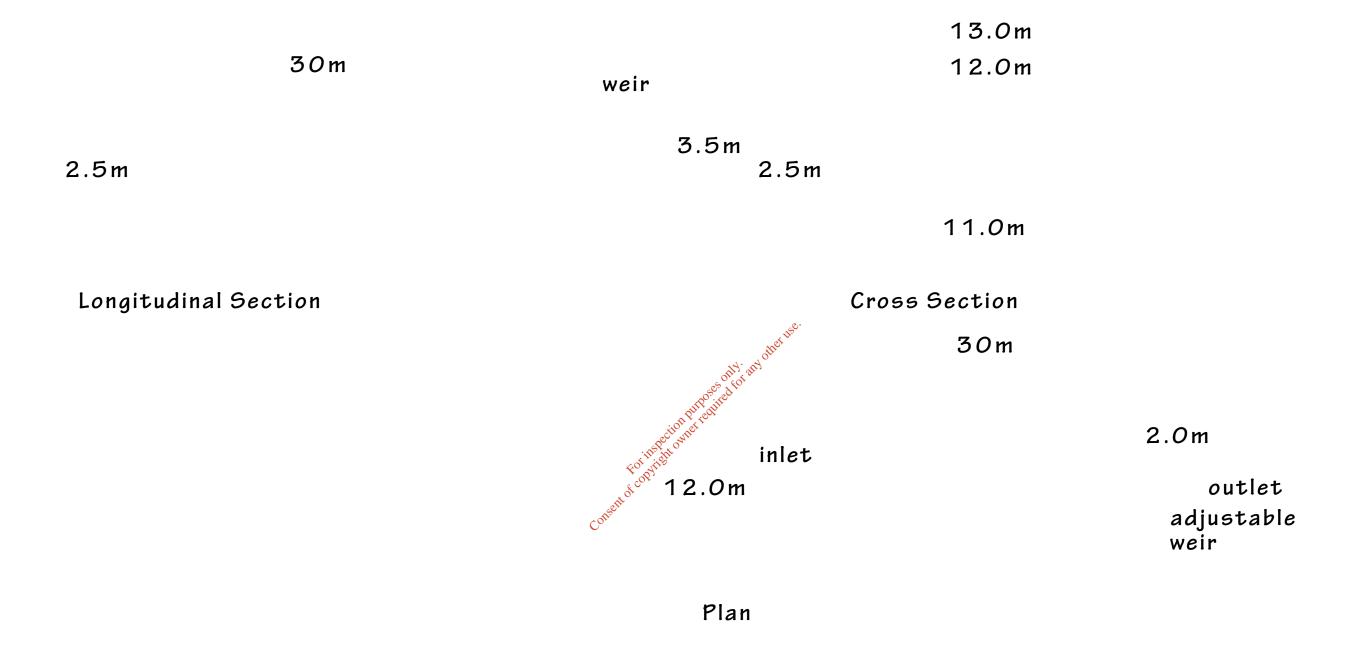


grid ref west 277086.589
30 metres long
12 metres wide
3.5 - 2.5 metres deep (max - min)
capacity 1260 - 900 cubic Metres (max - min)
16 Ha of bog flows into this pond

grid ref east 242118.1740

Drawings are based solely on information and instruction provided by Westland Horticulture

SILT TRAP 11



Clonsura Westland Horticulture

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grid ref east 241824.1100
grid ref west 277184.608
30 metres long
12 metres wide
3.5 - 2.5 metres deep (max - min)
capacity 1260 - 900 cubic Metres (max - min)
16 Ha of bog flows into this pond

Drawings are based solely on information and instruction provided by Westland Horticulture

SILT TRAP 12

13.0m 40m 12.0m weir $3.5 \,\mathrm{m}$ 2.5m 2.5m11.0m Cross Section Longitudinal Section 40 m 2.0m inlet 12.0m outlet adjustable weir Plan

Clonsura Westland Horticulture

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grid ref east 240831.8950 grid ref west 277259.618 40 metres long

12 metres wide

3.5 - 2.5 metres deep (max - min) capacity 1680 - 1200 cubic Metres (max - min) 20 Ha of bog flows into this pond

Attachment No. 18:

Engineering
Drawings For silt
Traps & Adjustable
Weir Designs

WEIR DETAILS

adjustable blocks outlet opening

water level

I.8 metre

3 metres

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Front View

Side View

Coole Bog ..West Meath Westland Horticulture

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this weir can be adjusted up or down in 150mm intervals

•• this will control the water speed and level at all times. This weir detail will be repeated at all silt traps

Architecture Design Conservation Project Management

Check out our new look web site at www.greeveskellycairns.co.uk

Greeves Kelly Cairns Limited Chartered Architect 9 The Linen Green Moygashel Dungannon BT71 7HB Phone +44 (0) 28 8772 3616 Fax +44 (0) 28 8772 2535

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Attachment No. J:

WI2004 Action To Be Taken To Event Of Chemical Spills On Peat Harvesting Site



TITLE:	ACTION TO BE TAKEN IN EVENT OF CHEMICAL SPILLS IN PEAT HARVESTING AREA			
DOCUMENT #:	WI20/04			
REV:	0			

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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PURPOSE

To provide detailed instructions on action to take in event of chemical spillage occurrence at a peat 1.1 harvesting operational site.

SCOPE 2

2.1 Applicable to all site operatives & Site manager

APPLICABLE DOCUMENTS 3

- WI20/01 Peat Harvesting Operational Controls 3.1
- 3.2 WI20/02 Silt Pond Visual Inspection & Sampling Requirements
- WI20/03 Silt Pond Cleaning 3.3

MATERIALS REQUIRED

- 4.1 Absorbent materials in chemical spill kit
- 4.2 Contaminated waste containers
- 4.3 Shovel
- 4.4 Gloves

SAFETY

5.1 Westland Horticulture Company Health and Safety policies must be strictly adhered to

PROCEDURE

- The main source of chemical spills on site at the peat harvesting operations will be from Mobile refuelling vehicles.
- Action has been taken to minimise the risks of chemical spills during refuelling on the bogs by using 6.2 bunded bowsers for refuelling.
- 6.3 When refuelling there should always be a spill kit of absorbent material on hand to prevent spillage from occurring.
- If chemical spills do occur the operators need to quickly use absorbent spill kits to contain the leak 6.4 and prevent it from entering the watercourses of surface or ground waters.
- A clean up then needs to occur were all contaminated material including peat, soil and absorbent 6.5 material is shovelled into the contaminated waste bins provided.
- The exact details of the incident the clean up and the volume of contaminated waste generated will 6.6 be logged in the work instruction record sheet WIR20/04 attached.
- The site manager must then be informed of the incident as soon as possible to log the incident and 6.7 arrange for the contaminated waste to be collected and disposed off by licensed waste disposal haulage contractors.
- The site manger will then survey the site to ensure that there has been no pollution of the water 6.8 courses on site before deciding to contact the appropriate local authorities and agencies.

MISCELLANEOUS

- 7.1 Detailed as part of site Environmental Management Plan
- 7.2 Note all original records & Training will be retained on site in Peat Harvesting Area.

ATTACHMENTS

- 8.1 WIR20/04 Incident Record Sheet In Event of Chemical Spills In Peat Harvesting Area.
- 8.2 TR20/04 Training Record For Action To Be Taken in Event Of Chemical Spill In Peat Harvesting Area.





WIR20/04 Incident TR20/04 Training Record In Event of C Record Action To Be

APPROVED BY

Date 24/06/09

DOCUMENT NUMBER WI20/04 0

REV

PAGE 2 OF 2

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WIR20/04 Action To Be Taken In Event of Chemical Spill In Peat Harvesting Area

Date	Time Cleaning Commenced	Location	Silt Pond ID	Chemical Spillage Incident Reporting Record			
				Detail Actions Taken As Per Training To Document WI20/04: Actions To Be Taken In Event of Chemical Spill In Peat Harvesting Area	Log Time Site Manager Contacted	Estimation of volume / Extent of Spill 8 Waste Generated	
	M.						
	Brit Ford		4.5	Cot itight owner leading and other rise.			
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