

Headquarters,
P.O. Box 3000,
Johnstown Castle Estate
County Wexford, Ireland

WASTE LICENCE
PROPOSED DECISION

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| Waste Licence | W052 |
| Register Number: | |
| Applicant: | Drogheda Port Company |
| Location of Facility: | Stagrennan Polder, Stagrennan, Drogheda, Co Louth |

| <i>Table of Contents</i> | | Page |
|---------------------------------|--|-----------|
| No. | | |
| | ACTIVITIES LICENSED | 1 |
| | INTERPRETATION | 2 |
| | CONDITION 1 SCOPE | 4 |
| | CONDITION 2 MANAGEMENT OF THE ACTIVITY | 5 |
| | CONDITION 3 NOTIFICATION AND RECORD KEEPING | 6 |
| | CONDITION 4 SITE INFRASTRUCTURE | 9 |
| | CONDITION 5 WASTE ACCEPTANCE AND HANDLING | 12 |
| | CONDITION 6 ENVIRONMENTAL NUISANCES | 13 |
| | CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS | 14 |
| | CONDITION 8 RESTORATION AND AFTERCARE | 15 |
| | CONDITION 9 ENVIRONMENTAL MONITORING | 16 |
| | CONDITION 10 CONTINGENCY ARRANGEMENTS | 18 |
| | CONDITION 11 CHARGES AND FINANCIAL PROVISIONS | 19 |
| | <i>SCHEDULE A Waste Activities</i> | 21 |
| | <i>SCHEDULE B Content of the Annual Environmental Report</i> | 21 |
| | <i>SCHEDULE C Content of the Environmental Management Programme</i> | 22 |
| | <i>SCHEDULE D Recording and Reporting to the Agency</i> | 23 |
| | <i>SCHEDULE E Monitoring</i> | 25 |
| | <i>SCHEDULE F Specified Engineering Works</i> | 30 |
| | <i>SCHEDULE G Emission Limits</i> | 30 |

SCHEDULE H Trigger Values

31

Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act, to grant this Waste Licence to the Drogheda Port Company, Maritime House, The Mall, Drogheda to carry on the waste activities listed below at Stagrennan Polder, Stagrennan, Drogheda, Co Louth, subject to eleven Conditions, with the reasons therefor and the associated schedules attached thereto set out in this licence.

*Licensed Waste Disposal Activities, in accordance with the Fourth Schedule
of the Waste Management Act, 1996*

Class 4: Recycling or reclamation of other inorganic materials

Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

INTERPRETATION

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| Act | The Waste Management Act 1996 (No 10 of 1996) |
| Adequate lighting | 20 lux measured at ground level |
| Agreement | Agreement in writing |
| Attachment | Any reference to attachments in this licence refers to attachments submitted as part of the waste licence application |
| Application | The application by the licensee for this waste licence, including any other material submitted to the Agency in writing by the licensee between the date of the application and the date of grant of this licence |
| Capital Dredging Scheme | As described in the documents entitled Drogheda Port Development Capital Dredging Scheme Environmental Impact Statement and which is included in the waste licence application |
| Condition | Condition of this licence. In any case where this licence refers to a numbered condition, the reference shall be taken to mean the condition and any sub-condition therein which the context of the reference requires that reference is to be made to |
| Daytime | 0800 hrs to 2200 hrs |
| Duchas | The Heritage Service. Head Office, 51 St Stephen's Green, Dublin 2 or other address notified to the licensee by the Agency |
| Emission | As defined in Section 5 (1) of the Act |
| Environmental Pollution | As defined in Section 5 (1) of the Act |
| Facility | That area or areas defined under Condition 1.3 of this licence |
| Foreshore Licence | The Foreshore licence issued by the Department of Marine for the Capital Dredging Scheme dated 21 May 1998, any subsequent amendment thereto or revised licence issued under the Foreshore Acts |
| Hazardous Waste | As defined in Section 4 (2) of the Act. |
| Incident | Any reference to an incident in this licence means an incident as defined in Condition 3.1 |
| Lagoon | Any lagoon constructed at the facility for the purposes of treating wastes |
| Licence | A waste licence issued in accordance with the Act |
| Licensee | The Drogheda Port Company. |

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| List I/II Organics | Substances classified pursuant to EC Directives 76/464/EEC and 80/68/EEC |
| Maintain | Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function |
| Monthly | At least 12 times per year, at approximately monthly intervals |
| Night-time | 2200 hrs to 0800 hrs |
| Recovery | As defined in Section 4(4) of the Act |
| The Polder | The Stagrennan Polder, Stagrennan, Drogheda |
| Quarterly | At the end of a period of three calendar months, the first month of which commences on the date of granting of this licence |
| Sample(s) | Unless the context of this licence indicates otherwise, samples shall include measurements by electronic equipment |
| Specified Emissions | Those emissions listed in Schedule G of this licence |
| Specified Engineering Works | Those engineering works listed in Schedule F of this licence. |
| Submit | Unless the context of this licence indicates otherwise, submit to the Agency in writing for agreement |
| Tide | Where this licence requires the state of the tide to be recorded, it shall be recorded in accordance with tide tables which relate to the state of the tides as measured at the Port of Dublin, unless otherwise agreed by the Agency |
| Tracked machine | A tracklaying vehicle including, but not restricted to, any bulldozer, excavator or other similar vehicle |
| Training wall | The training wall which forms the boundary of the facility and the River Boyne and which is shown on Drawing 2925.11/B2/02 Rev A, entitled "Site Plan" |
| Trigger level | A parameter value, as set down in Schedule H, which when achieved or exceeded requires specified actions to be taken |
| Waste | As defined in Section 4(1) of the Act |
| Waste recovery activity | Includes the activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto |
| Weir | The weir shown on Drawing 2925.11/B2/02 Rev A, entitled "Site Plan" |

CONDITIONS

CONDITION 1 SCOPE

- 1.1. The waste activities authorised by this licence are listed and described in *Schedule A: Waste Activities*. Waste management activities at the facility shall be restricted to those listed in Schedule A and any restrictions set down therein.
- 1.2. Waste management activities shall be restricted to the area of land outlined in red on the Site Plan, Drawing No. 2925.11/B2/02 Rev A of the waste licence application. Any reference in this licence to “facility” shall mean the area thus outlined in red.
- 1.3. Whenever a condition of this licence requires the licensee to submit a plan, programme, or proposal to the Agency for its agreement, the licensee shall subsequently modify such documentation in accordance with, and within the time stated in, any written instructions from the Agency. The actions described therein shall be carried out within any timescale specified in writing by the Agency but shall not be undertaken without the prior written agreement of the Agency.
- 1.4. Whenever a condition of this licence requires the licensee to submit a plan, programme or proposal to the Agency prior to specified waste being deposited, no such waste shall be deposited until the plan, programme or proposal has been subject to agreement by the Agency.
- 1.5. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.6. Where the Agency considers that a non-compliance with the conditions of this licence has occurred, it may serve a notice on the licensee specifying:
 - a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice;
 - b) that the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice; and,
 - c) that the licensee shall carry out any other requirement specified in the notice.
- 1.7. When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Agency that the notice is withdrawn.

Reason: To clarify the scope of this licence.

CONDITION 2 MANAGEMENT OF THE ACTIVITY

2.1 Environmental Management System.

2.1.1 The licensee shall, within six months from the date of grant of this licence, submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments submitted to the Agency for agreement.

2.1.2 The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.8 below:

2.2 Schedule of Environmental Objectives and Targets.

2.2.1 The licensee shall, within six months from the date of grant of this licence, submit to the Agency for its agreement a Schedule of Environmental Objectives and Targets. The objectives should be specific and the targets measurable.

2.2.2 The Schedule shall address a five year period as a minimum and shall be reviewed and submitted annually to the Agency for its agreement.

2.3 Environmental Management Programme.

2.3.1 The licensee shall, not later than six months from the date of grant of this licence, submit to the Agency for its agreement an Environmental Management Programme (EMP). The EMP shall include a time-scale for achieving the Schedule of Objectives and Targets and shall comply with any other guidance issued in writing by the Agency.

2.3.2 The EMP shall include, as a minimum, the information specified *in Schedule B: Content of the Environmental Management Programme*. The EMP shall be reviewed and submitted to the Agency for its agreement annually.

2.4 Corrective Action

2.4.1. The licensee shall establish and maintain written corrective action procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled.

2.5 Awareness and Training.

2.5.1. The licensee shall establish and maintain awareness and training procedures for identifying training needs and for providing appropriate training, for personnel whose work is related to the licensed facility. Written records of training shall be maintained.

2.6 Responsibilities.

2.6.1. The licensee shall submit, no later than one month prior to waste being deposited at the facility, written details of the management structure of the facility for the agreement of the Agency. This structure shall include the terms of engagement of any contractors to undertake the operation of the facility or any environmental monitoring or other work subject to this licence. The responsibilities of individuals undertaking environmental monitoring in the River Boyne as required by Condition 9 and person(s) with responsibilities for the control of water flows over the weir

shall be clearly set out and shall be subject to the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. Written details of the management structure shall include the following information:

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;
- b) details of the responsibilities for each individual named under a) above;
- c) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and,
- d) contingency arrangements for the absences of the named persons from the facility.

2.7. Communications.

2.7.1. Within six months from the date of grant of this licence, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.

2.8. Annual Environmental Report.

2.8.1. The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and within one month of the end of each year thereafter, an Annual Environmental Report (AER).

2.8.2. The AER shall include as a minimum the information specified in *Schedule C Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidelines issued by the Agency.

2.9. The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.

2.10 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required, and are aware of the requirements of this licence.

Reason: To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.

CONDITION 3 NOTIFICATION AND RECORD KEEPING

3.1 The licensee shall make a written record of the following incidents:

- a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
- b) any emission which does not comply with the requirements of this licence;

- c) any trigger level specified in this licence or in any information required to be supplied to the Agency by this licence which is attained or exceeded;
 - d) any malfunction of any environmental control system;
 - e) the cessation of waste management activities at the facility for period in excess of 28 days and their re-commencement
 - f) any indication that contamination has, or may have, taken place;
 - g) any occurrence with the potential for environmental pollution;
 - h) any emergency
 - i) any discovery of archaeological artefacts.
- 3.2. The written record of an incident shall include those matters referred to in Condition 10.6.
- 3.3. Unless otherwise instructed in writing by the Agency:
- a) the licensee shall notify the Agency by telephone and by facsimile **as soon as practicable** and in any case not later than 10:00am on the following working day **after the occurrence of any incident; and**
 - b) the licensee shall submit the written record to the Agency **as soon as practicable and in any case within five working days after the occurrence of the incident.**
- 3.4. Should any further actions be taken after the date of written notification as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 3.5. **Unless otherwise agreed by the Agency in writing:**
- a) **copies of all results of all reports, records, monitoring and analysis results and interpretations required by this licence to be forwarded to the Agency shall be sent the Agency's Headquarters;**
 - b) one original and four copies shall be submitted; and
 - c) all reports, monitoring and analysis results, interpretations and other records required by this licence shall be retained by the licensee.
- 3.6. **Copies of any other monitoring data obtained by the licensee for whatever reason and which relates to the environmental impact of the operation of the facility shall be forwarded to the Agency at the same time as any data required to be submitted by this licence.**
- 3.7. All written records, reports and other documents submitted to the Agency shall be certified accurate and representative by the licensee. **In all cases where** environmental monitoring results in respect of Schedule E are to be submitted, they shall be accompanied by a written interpretation setting out their significance. The format by which the monitoring results and the interpretation is submitted shall be in accordance with any written guidelines issued by the Agency.
- 3.8. The licensee shall provide copies of any reports, monitoring and analysis results, interpretations or other records required to be made by this licence to the Agency on request and within the time specified in writing by the Agency.

- 3.9. In the event of any incident which relates to discharges to surface water, or which affects the interests of the Local Authority, the licensee shall notify the Eastern Regional Fisheries Board, Louth County Council or Meath County Council, as appropriate, as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident.
- 3.10. Any incident which involves the discovery of archaeological artefacts shall cause the cessation of any works within 25 m of the area in which the artefact was discovered. Duchas shall be informed immediately by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident. The deposition of waste or, as the case may be, its removal shall only recommence at this location with the agreement of the Agency.
- 3.11. Unless otherwise agreed with the Agency, the licensee shall forward to the Agency any report, information or data which relates to the facility and which is required to be submitted to the Department of Marine as condition of the Foreshore Licence for the Capital Dredging Scheme. The date of submission to the Agency shall be the date on which the report, information or data was submitted to the Department of Marine.
- 3.12. Copies of all written records, reports and other documents referred to in this licence shall be maintained by the licensee in an office at the facility or in Drogheda town, the location of which has been subject to the agreement of the Agency.
- 3.13. The licensee shall keep, at an office at the facility, the following documents:
- a) the current waste licence relating to the facility;
 - b) any previous waste licence in respect of the facility;
 - c) the current EMS for the facility;
 - d) the previous year's AER for the facility;
 - e) all written procedures produced by the licensee which relate to the licensed activities.
- 3.14. Unless otherwise agreed with the Agency, the licensee shall maintain a written daily record of the deposition of wastes at the facility from the Capital Dredging Scheme. The licensee shall record the following:
- a) the location of the dredger in the River Boyne (12 Figure national grid reference);
 - b) the location of deposition at the facility;
 - c) a description of the waste;
 - d) the quantity of the waste; and
 - e) the name of the person(s) checking the wastes.
- 3.15. The licensee shall maintain a written record of all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;

- d) actions taken in respect of the complaint and the results of such actions; and,
- e) the response made to each complainant.

Reason : To provide for the notification of incidents, to update information on the activity and to provide for the keeping of records.

CONDITION 4 SITE INFRASTRUCTURE

4.1 Site Notice Board

4.1.1 Within three months from the date of grant of this licence, the licensee shall provide and maintain a notice board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.

4.1.2 The board shall clearly show:

- a) the name and telephone number of the facility;
- b) the normal hours of opening;
- c) the name, address and telephone number of the licence holder;
- d) an emergency out of hours contact telephone number;
- e) the name, address and telephone number of the operator of the facility; and,
- f) this licence reference number.

4.2 Site Security

4.2.1 Other than for the purposes of construction of specified engineering works, no waste shall be deposited at the facility unless the licensee has provided a site fence at the locations shown in Drawing No. 2925.11/D1/01 and as described in the Amendment to Attachment D.1 which was submitted to the Agency on the 6 October 1998.

4.2.2 The licensee shall remedy any defect in any gates and/or fencing as follows:

- a) a temporary repair shall be made by the end of the working day; and,
- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days or as otherwise agreed with the Agency.

4.2.3 Gates shall be kept locked shut when the facility is unsupervised.

4.3 No waste shall be deposited at the facility until the licensee has provided for the Agency's agreement:

- a) a detailed statement of the method of working of the facility, including waste emplacement, settlement lagoon management, site management and supervision; and

- b) proposals to ensure protection from both waste disposal and removal activities of the services which are shown transecting the facility in Drawing 2925.11/B2/04 of the application, particularly the North Eastern Gas Pipeline and the foul sewer .
- 4.4 No waste shall be removed from the facility until the licensee has provided the following details for the Agency's agreement:
- a) the proposed method of removal, including the location and specification of, as the case may be, any dock (including associated load transfer infrastructure), sands and gravels washing facility, cleaned sands and gravels storage areas (including stockpile sizes);
 - b) a noise impact study of any sands and gravels washing facility which is specific to the type/make of washing plant proposed, including proposals for the location and specifications of construction of acoustic screening;
 - c) proposals for the discharge of wash waters from any sands and gravels washing facility, including sediment removal and an assessment of the impact of any discharge on water quality;
 - d) weighbridge and wheel cleaning facilities (including drainage);
 - e) any other proposed structure on the facility which is required as part of the process of removal of sands and gravels;
 - f) any other alterations to the infrastructure as set out in the material submitted to the Agency under Condition 8;
 - g) the arrangements for the supervision of the waste removal process referred to in Condition 8, including provision to ensure that agreed levels of removal are not exceeded and that archaeological artefacts are protected.
- 4.5 The licensee shall provide and maintain a working telephone and facsimile machine in the office specified under this condition.
- 4.6 Subject to any requirement of Condition 8, once constructed at the facility, any works required by this licence shall be maintained at the location required by this licence or as agreed by the Agency.
- 4.7 Any weighbridge shall be maintained and calibrated at such times as are necessary as to accurately measure the weight of all vehicles using it.
- 4.8 The licensee shall inspect any wheel cleaner at the facility and shall drain or otherwise empty it as required. Water drained from any wheel cleaner shall be discharged to the dredgings storage lagoon unless otherwise agreed in writing in advance with the Agency. Accumulated silt shall be removed and appropriately disposed of at the facility.
- 4.9 Other than via the wheel cleaner referred to in this condition, no vehicles shall be cleaned on the facility unless details of hardstandings and drainage have been the subject of the Agency's agreement.
- 4.10 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.11 The licensee shall provide dry toilets at the facility in the manner set down in Attachment E.6 of the application. No sewage shall be discharged from, or into, the facility and no septic tank or percolation system shall be installed at the facility unless agreed by the Agency.
- 4.12 Fuel Storage

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- 4.12.1 Unless contained in mobile plant at the facility, the licensee shall store all fuels only at locations agreed by the Agency in respect of this condition.
- 4.12.2 All tank and drum storage areas shall be rendered impervious to the materials stored therein. Such areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than 110% of the capacity of the largest tank or drum within the bunded area.
- 4.12.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 4.12.4 All inlets, outlets, vent pipes, valves and gauges shall be within the bunded area.
- 4.12.5 The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months from the date of grant of this licence. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. The licensee shall also submit to the Agency for its agreement in each case a written report on the storage of fuels on site. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.12.6 All tanks and containers shall be labelled to clearly indicate their contents.
- 4.13 Specified Engineering Works
- 4.13.1 The licensee shall submit a written report on any proposed specified engineering works, as defined in *Schedule F: Specified Engineering Works*, to the Agency for its agreement prior to any works being carried out. No such works shall be carried out without the prior written agreement of the Agency and, once carried out, they shall be maintained at the location and to the specification required by this licence.
- 4.13.2 All specified engineering works shall be supervised by a competent person(s) whose name has been submitted to the Agency for its agreement. That person, or persons, shall be present at all times during which relevant works are being undertaken.
- 4.13.3 Unless otherwise agreed by the Agency, the licensee shall submit a construction quality assurance validation report to the Agency following the completion of all specified engineering works. The validation report shall include the following information:
- a) a description of the works;
 - b) as-built drawings of the works;
 - c) records and results of all tests carried out (including failures);
 - d) a drawing and sections showing the location of all samples and tests carried out;
 - e) daily records sheets/diary;
 - f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;

- g) name(s) of person(s) responsible for supervision of works and for quality assurance validation of works;
- h) records of any problems and the remedial works carried out; and
- i) any other information requested in writing by the Agency.

Reason: To provide for the protection of the environment

CONDITION 5 WASTE ACCEPTANCE AND HANDLING

5.1 The following wastes only shall be deposited at the facility:

- a) dredgings resultant from the Capital Dredging Scheme;
- b) bricks, concrete blocks, rock, concrete and cement provided that:
 - (i) their nature and quantity is suitable for use as temporary roads/hardstandings
 - (ii) at the facility and that they are used for that purpose;
 - (iii) they are not contaminated with any substance or chemical resultant from any industrial activity (including demolition);
 - (iv) no more than 1000 tonnes is stockpiled at the facility at any one time prior to use as site roads/hardstandings; and
 - (v) licensee has recorded the following:
 - a) the name of the carrier;
 - b) the vehicle registration number;
 - c) the name and address of the source of the waste;
 - d) a description of the waste;
 - e) the quantity of the waste, recorded in tonnes;
 - f) the name of the person checking the load; and,
 - g) where loads or parts thereof are removed, details of the date of occurrence, the types of waste and the facility to which they were removed.

5.2 No hazardous waste shall be accepted at the facility.

5.3 Unless written evidence has been submitted to the Agency for its agreement that the licensee has appropriate rights of occupation, no waste whatsoever shall be deposited in the area shown in Drawing 2925.11/B1/01, entitled "Ownership Plan", which is marked as being in the ownership of Mrs Philomenia Matthews.

5.4 Other than waste for the purposes of specified engineering works, no waste shall be deposited until a scheme for the checking of waste accepted at the facility has been submitted to the Agency for its agreement.

- 5.5 Any wastes deemed to be in contravention of this licence and/or unsuitable for deposit at this facility shall be removed for disposal at an appropriate alternative facility.
- 5.6 The quantity of wastes to be accepted at the facility shall not exceed 1,120,000 tonnes in total.
- 5.7 Scavenging shall not be permitted at the facility.
- 5.8 No tracked machines shall be used to enplace wastes deposited at the facility outside the hours of 8 am to 8 pm and in any event, shall not be used within 400m of Harbourville House (the location of which is shown on drawing 2925.11/B1/01) outside the hours of 9.00 am to 6 pm Monday to Friday and 9.00am to 12.00 pm on Saturday.
- 5.9 Unless subject to the agreement of the Agency, no sands and gravels removal or washing activities shall take place outside the hours of 9.00 am to 6.00pm Monday to Friday and 9.00 am to 12.00 pm on Saturday.

Reason: To provide for the acceptance and management of wastes authorised under this waste licence

CONDITION 6 ENVIRONMENTAL NUISANCES

- 6.1 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 6.3 Unless subject to the Agency's agreement, all vehicles other than private motor vehicles and tracked machines shall use the wheel cleaner referred to in condition 4 when leaving the facility.
- 6.4 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 6.5 Any loose litter accumulated within the facility and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.6 The licensee shall ensure that the activities shall be carried out in a manner such that odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the facility boundary.
- 6.7 The licensee shall ensure that vermin do not give rise to nuisance at the facility or the immediate environment of the facility.

Reason: To provide for the control of nuisances.

CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

- 7.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule G: Emissions* of this licence.
- 7.2 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 7.3 **Suspended Solids**
- The discharge of water over the weir shall cease immediately when suspended solids, as measured in accordance with Condition 9, are in excess of a trigger level set down in Schedule H at either:
- a) the discharge at the weir; or
 - b) the samples taken in the River Boyne.
- The discharge shall only recommence in the event that two or more samples, taken at intervals of no less than ten minutes and in accordance with Condition 9, show that the trigger level is no longer being exceeded.
- 7.4 Should any artefacts of historical importance be discovered in the process of the deposit or the removal of wastes from the facility, the deposit or, as the case may be, the removal works shall cease immediately within an distance of at least 25 metres of the artefact. Advice from a suitably qualified archaeologist shall be sought forthwith. No works, including the removal or burying of the artefact, shall occur without the agreement of the Agency.

Reason: To control emissions from the facility and provide for the protection of the environment

CONDITION 8 RESTORATION AND AFTERCARE

- 8.1 Waste deposited at the facility, other than wastes to be stored for the construction of site roads/hardstandings as referred to in condition 5, shall not exceed the levels shown in Drawing No. 2925.11/E3/01, entitled "Cross Sections through Stagrennan Polder".
- 8.2 The licensee shall submit a report to the Agency in respect of proposals for the removal of the materials at quarterly intervals, commencing from the date of granting of this licence, up to the point at which materials are being removed. Further reports on this matter shall be submitted at the Agency's request. Any such report shall contain any information specified in writing by the Agency.
- 8.3 Within one year of the date of grant of this licence, the licensee shall submit to the Agency for its agreement a detailed Restoration Scheme and Aftercare Management Scheme. The licensee shall update these Schemes when required in writing by the Agency and submit proposed amendments to the Agency for its agreement.

- 8.4 Subject only to wastes which the Agency has agreed can remain at the facility as specified engineering works, all waste deposited at the facility shall be removed to the levels determined by the survey referred to in Condition 9.5 after the end of five years, commencing from the date of grant of this licence.

Reason: To provide for the restoration and aftercare of the facility.

CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1 The licensee shall carry out such monitoring and at such frequencies as set out in *Schedule E: Monitoring* and as specified in the conditions of this licence.
- 9.2 Unless otherwise specified by a condition of this licence or otherwise agreed by the Agency, all environmental monitoring specified in this condition shall commence two months prior to waste being deposited at the facility.
- 9.3 No waste shall be deposited at the facility until the following information has been submitted to the Agency for agreement:
- a) the details of equipment to be used for turbidity measurements;
 - b) a programme of calibration to determine the relationship between turbidity readings and suspended solids samples. The programme shall involve samples taken from the River Boyne and also from laboratory studies of the settlement of materials similar to those wastes to be deposited at the facility. It shall also contain a programme of work for the continued assessment of the relationship between suspended solids and turbidity whilst the facility is in operation;
 - c) programmes of monitoring frequencies for the River Boyne and for surface water discharges from the facility, at the weir and in the lagoon;
 - d) a programme for the monitoring of metals levels in the wastes deposited in the lagoon and/or in the discharge from the weir;
 - e) the exact location of a sampling point(s) in the lagoon and/or at the weir.
- 9.4 Within three months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a unique numbering system for each monitoring point referred to in and/or required by this licence.
- 9.5 No waste shall be deposited at the facility until a detailed survey of the facility has been undertaken. This survey shall clearly and accurately show the topographical base/bathymetry of the Polder at low water and shall include all mudflats, creeks, inlets or other features of the facility. The survey shall include such information as may be specified in writing by the Agency.
- 9.6 Surface water monitoring.
- 9.6.1. Surface water monitoring in the River Boyne shall be carried out at the locations shown in Drawing 2925.11/J9/01, which are described as "Ebb Tide Background Monitoring", "Flood Tide Turbidity Monitoring", "Ebb Tide Turbidity Monitoring" and "Flood Tide Background Monitoring" and whose grid references are described in Schedule E. The licensee shall utilise a global positioning system (GPS) or other system agreed by the Agency to ensure that the sampling is carried out at the correct location.
 - 9.6.2. Other than waste for the purposes of specified engineering works, no waste shall be deposited at the facility until the exact depths of the sampling in the River Boyne have been submitted to the Agency for agreement. On agreement, samples shall be taken at at least two depths for each location. The national grid reference co-ordinates (12 figure), sample depths, the time of sampling and the state of the tide shall be recorded for each sample taken.

- 9.7 At each time samples are required to be taken from the lagoon or at the weir under this condition, three samples shall be taken, separated by at an interval of no more than ten minutes. Each sample shall be individually recorded, as shall be the exact time at which it was taken.
- 9.8 Other than waste for the purposes of specified engineering works, no waste shall be deposited at the facility until a programme for the monitoring of the stability and structural integrity of the weir and training wall has been submitted to the Agency for agreement. Once waste is being deposited at the facility, the licensee shall inspect the weir and training wall on a daily basis. The inspection shall assess the stability of the weir and training wall, in particular with respect to lateral movement and/or seepages. A written record of all inspections shall be kept and made available to the Agency on request.
- 9.9 Within three months of the date of granting of this licence, the licensee shall submit to the Agency for its agreement details of noise and dust monitoring points to be located in proximity to the properties and the convent on Strand Road.
- 9.10 The licensee shall provide safe and permanent access to all sampling and monitoring points as required by the Agency.
- 9.11 Monitoring and analytical equipment shall be operated and maintained in accordance with the manufacturer's instructions or as agreed by the Agency so that all monitoring results accurately reflect any emission or discharge or other environmental parameter.
- 9.12 The licensee shall amend the commencement date, frequency, locations, methods and scope of monitoring, sampling, analyses and investigations required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested by the Agency. Such amendments shall be carried out within the timescale, if any, specified by the Agency.
- 9.13 A written record shall be kept of the names, position, qualifications and a summary of relevant experience of all persons who carry out any sampling and monitoring as required by this licence and who provide the interpretation of the results of such sampling and monitoring.
- 9.14 The licensee shall maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.
- 9.15 A site survey shall be carried out within twelve months from the date of commencement of the deposit of waste at the facility. It shall be repeated annually thereafter. The survey shall be in accordance with any written instructions issued by the Agency.
- 9.16 Within six months of the date of granting of this licence, a programme of ecological surveying shall be forwarded to the Agency for its agreement. The programme shall contain a detailed survey methodology and dates for future survey work and shall include grid references for monitoring points 2c and 4c as shown on Drawing 2925.11/J2/01.
- 9.17 Ecological surveys in accordance with this licence shall be undertaken within a year of the start of the removal of the waste deposited at the facility. Locations of survey points shall include, but not be restricted to, the locations shown in Drawing 2925.11/J2/01 and in Schedule E. The data obtained and an interpretation of that data shall be forwarded to the Agency for its agreement. Surveys shall be repeated at intervals to be agreed with the Agency thereafter. The contents of the survey, its methodology, the location and the form of any report shall be in accordance with any written instruction from the Agency.

Reason: To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions

CONDITION 10 CONTINGENCY ARRANGEMENTS

- 10.1 The licensee shall, within three months from the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situation which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.
- 10.2 Within six months of the date of granting of this licence, the licensee shall submit to the Agency for its agreement a report setting out the arrangements in the event that, in the period after waste has been deposited at the facility, the trigger levels in respect of surface waters referred to Schedule H are exceeded.
- 10.3 The licensee shall maintain an adequate supply of absorbent material to absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 10.4 All significant spillages of substances, including all spillages other than water in excess of 100 litres, shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.5 No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 10.6 In the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:
- a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
 - c) isolate the source of any emission;
 - d) evaluate the environmental pollution, if any, caused by the incident;
 - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - f) identify and put in place measures to avoid recurrence of the incident; and,
 - g) identify and put in place any other appropriate remedial action.

Reason: To provide for the protection of the environment.

CONDITION 11 CHARGES AND FINANCIAL PROVISIONS

11.1 Agency Charges

- 11.1.1 The licensee shall pay to the Agency an annual contribution of £11,599 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to

the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act 1996. The licensee shall in 1999 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the grant of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1999, the licensee shall pay a pro rata amount from the date of grant of this licence to December 31 1999. This amount shall be paid to the Agency within one month from the date of grant of this licence.

- 11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased due to an incident occurring on or adjacent to the facility and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defraying its costs.

11.2 Financial Provision for Closure, Restoration and Aftercare

- 11.2.1 The licensee shall from a date to be set in writing by the Agency establish and maintain a fund, or other form of approved security or guarantee, that is adequate to assure the Agency that the licensee is at all times financially capable of complying with the Restoration and Aftercare Plan required by Condition 8. The type of fund and means of its release/recovery shall be submitted in writing to the Agency for its agreement prior to establishment.
- 11.2.2 The fund shall be maintained in an amount always sufficient to underwrite the current Restoration and Aftercare Plan.
- 11.2.3 The licensee shall revise the cost of aftercare and restoration annually and any details of the necessary adjustments to the above fund must, within two weeks of the revision, be forwarded to the Agency for agreement and put into effect within four weeks of the Agency's written agreement.
- 11.2.4 Unless otherwise agreed by the Agency, any revision to the fund shall be computed using the following formula:

$$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$

Where:

Cost = Revised restoration and aftercare cost

ECOST = Existing restoration and aftercare cost

WPI = Appropriate Wholesale Price Index [Capital Goods Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

CiCC = Change in compliance costs as a result of change in facility conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

SCHEDULE A Waste Activities

Activities authorised by this licence shall be restricted to those described below.

| WASTE MANAGEMENT ACT,1996: FOURTH SCHEDULE ^{Note 1} | |
|--|---|
| Class 4. | <p>Recycling or reclamation of other inorganic materials</p> <p>This activity is limited to the extraction and removal of deposited dredging wastes and associated temporary site roads/hardstandings at the facility.</p> |
| Class 13. | <p>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced</p> <p>This activity is limited to the deposit and storage of dredgings from the Capital Dredging Scheme prior to removal for recycling and reclamation, along with associated activities.</p> |

Note 1: Any reference to a Class is to be taken as being a class in the Fourth Schedule of the Waste Management Act 1996.

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SCHEDULE B Content of the Environmental Management Programme

| Environmental Management Programme |
|---|
| Items specified to be contained in an Environmental Management Plan as shown in the 'Landfill Operational Practices Manual' published by the Agency unless otherwise agreed in writing with the Agency. |
| Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets |
| Designation of Responsibility for Achieving Targets and Objectives |
| Emergency Procedures |
| Schedule of Drawings |
| Any other item to be specified in writing by the Agency |

SCHEDULE C Content of the Annual Environmental Report

Annual Environmental Report Content⁽¹⁾

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste received during the reporting period.

Total accumulated quantities of waste deposited.

Calculated remaining capacity of the site.

Year in which final capacity is expected to be reached.

Area occupied by waste.

Summary report on emissions (Certified results/data sheets to be attached as Appendices).

Summary of results and interpretations of environmental monitoring.

Proposed future development of the site and timescale of such development.

Report on development works undertaken during the reporting period.

Progress on restoration to the levels required by this licence.

Site survey showing existing levels of the site at the end of the reporting period.

Environmental Management Programme - Proposal

Environmental Management Programme - Report

Mass Balance of Specified Substances - Proposal

Mass Balance of Specified Substances - Report.

Schedule of Environmental Objectives and Targets for the Forthcoming Year.

Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.

Full title and a written summary of any procedures developed by the licensee in the year which relates to the operation of the facility.

Tank and bund testing and inspection report.

Reported incidents summary.

Complaints summary.

Report on financial provision made under this licence.

Report on management and staffing structure of the facility.

Report on programme for public information.

Note 1: Content to be revised subject to the written agreement of the Agency after the removal, as specified in Condition 8, of waste from the facility.

SCHEDULE D Recording and Reporting to the Agency

Table D.1 Recurring Reports

| Report | Reporting Frequency <small>Note 1</small> | Report Submission Date |
|---|---|---|
| Environmental Management System Updates | Annually | One month after the end of the year reported on. |
| Annual Environment Report (AER) | Annually | 13 months from the date of grant of licence and one month after the end of each year thereafter. |
| Record of incidents | As they occur | five working days after the incident. |
| Cessation/re-activation of an activity in accordance with Condition 3. | As they arise | Fourteen days in advance of cessation/re-activation |
| Specified engineering works reports | As they arise | Prior to the works commencing and on their completion. |
| Bund, tank and container integrity assessment | Every three years | Six months from the date of grant of licence and one month after end of the three year being reported on. |
| Progress on the negotiations for wastes to be removed from the facility | Quarterly | one month after the end of the quarter being reported on |
| Site survey | Annually | One month after end of the year being reported on. |
| Dust monitoring | Quarterly | One month after end of the quarter being reported on. |
| Noise monitoring | Quarterly | One month after end of the quarter being reported on. |
| Monitoring of surface water quality | Quarterly | Ten days after end of the quarter being reported on. |
| Ecological Survey | To be agreed | To be agreed |

Note 1. Unless amended on the instruction of the Agency.

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Table D.2 Once-off Reports

| Report and Contents | Report Submission Date ⁽¹⁾ |
|--|---|
| 1). Environmental Management System (EMS) | within six months, unless stated otherwise. |
| 1.1 Environmental Management System 1.2 <i>Schedule of Environmental Objectives and Targets</i> 1.3 Environmental Management Programme 1.4 Management and manning levels 1.5 Communications Programme 1.6 Annual Environmental Report | within one month prior to waste being deposited within thirteen months |
| 2). Infrastructure/method of working | |
| 2.1 information required under Condition 4.3 2.2 Specified engineering works (proposal) 2.3 Specified Engineering Works (as constructed) 2.4 Information required under Condition 4.4 | within one month prior to waste being deposited one month prior to proposed date of construction one month after the completion of construction prior to waste being removed from the facility |
| 3). Environmental and other monitoring | within one month prior to specified waste being deposited at the facility, unless stated otherwise |
| 3.1 Details of equipment to be used for turbidity monitoring 3.2 Programme for suspended solid monitoring as required by condition 9.4 3.3 Programme for the assessment of the structural stability of the weir and training wall 3.4 Numbering system for all monitoring points 3.5 Depths of Boyne River channel samples 3.6 Report on the location of additional dust and noise monitoring points on Strand Road as required by Condition 9 3.7 Site survey prior to the deposit of waste 3.8 Programme of ecological monitoring | within three months within three months within six months |
| 4). Waste Acceptance Procedures | within two months. |
| 5). Restoration Scheme and Aftercare Management Scheme | within twelve months. |
| 6). Contingency and Emergency Response | |
| 6.1 Contingency arrangements in respect of discharges from the weir after the deposition of waste at the facility has ceased 6.2 Emergency Response Procedures | within six months within three months. |

Note (1): unless otherwise indicated, the relevant date commences from the date of grant of this licence

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SCHEDULE E Monitoring

All monitoring frequencies and programmes listed in this Schedule are subject to alteration under Condition 9 or as a result of an incident.

E.1 Dust

Dust Monitoring Point Reference Numbers: (Drawing No. 2925.11/J1/01 “Dust Monitoring Locations”).

Table E.1.1 Dust Monitoring Locations ^{Note 1}

| STATION | EASTING | NORTHING |
|---------|---------|----------|
| 1 | 211625 | 275670 |
| 2 | 211125 | 275750 |
| 3 | 210700 | 275430 |
| 4 | 211380 | 275600 |

Note 1: excluding other locations required by in condition 9 which have been subject to the Agency’s agreement

The frequency and method of sampling and analysis are listed in the following table:

Table E.1.2 Dust Monitoring

| Parameter (mg/m ² /day) | Monitoring Frequency | Analysis Method/Technique |
|------------------------------------|---------------------------|-----------------------------------|
| Dust | Monthly ^{Note 1} | Standard Method ^{Note 2} |

Note 1: During the period May to September, or as otherwise specified in writing by the Agency

Note 2: Standard Method VDI2119 (Measurement of Dustfall, Determination of Dustfall using the Bergerhoff Instrument(Standard Method) - German Engineering Institute) , unless subject to the Agency’s agreement.

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E.2: Noise

Noise Monitoring Point Reference Numbers: (Drawing No. 2925.11/J7/01 A “Noise Monitoring Locations”).

Table E.2.1 Noise Monitoring Locations ^{Note 1}

| STATION | EASTING | NORTHING |
|--------------------|---------|----------|
| Harbourville House | 211775 | 275685 |
| Balamarino House | 211485 | 275490 |
| Stagrennan House | 211375 | 275480 |

Note 1: excluding other locations required by condition 9 which have been subject to the Agency’s agreement

The frequency and method of sampling and analysis are listed in the following table:

Table E.2.2 Noise Monitoring

| Parameter | Monitoring Frequency ^{Note 1} | Analysis Method/Technique |
|--|--|----------------------------|
| L(A) _{EQ} [30 minutes] | Monthly | Standard ^{Note 2} |
| L(A) ₁₀ [30 minutes] | Monthly | Standard ^{Note 2} |
| L(A) ₉₀ [30 minutes] | Monthly | Standard ^{Note 2} |
| Frequency Analysis(1/3 Octave band analysis) | Quarterly | Standard ^{Note 2} |

Note 1 - see Condition 9

Note 2: “International Standards Organisation. ISO 1996. Acoustics - Description and Measurement of Environmental Noise. Parts 1, 2 and 3.”

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E.3: Surface Water Monitoring**E.3.1 Boyne River Channel:** (Drawing No. 2925.11/J9/01 "Surface Water Monitoring Points").**Table E.3.1 Monitoring Locations**

| STATION | EASTING | NORTHING |
|---|----------------|-----------------|
| Ebb Tide Background Monitoring Points | 210350 | 275520 |
| | 210350 | 275545 |
| | 210350 | 275565 |
| Flood Tide Background Monitoring Points | 211315 | 275805 |
| | 211315 | 275830 |
| | 211315 | 275855 |
| Ebb Tide Turbidity Monitoring Points | 210930 | 275730 |
| | 210920 | 275760 |
| | 210910 | 275785 |
| Flood Tide Turbidity Monitoring Points | 210540 | 275580 |
| | 210530 | 275605 |
| | 210520 | 275625 |

E.3.2 Surface Water

The frequency and method of sampling and analysis are listed in the following table:

Table E.3.2 Surface Water Monitoring Parameters and Frequency

| Parameter | Monitoring Frequency | Analysis Method/Technique |
|------------------------------|--------------------------------|--|
| Salinity | to be agreed ^{Note 1} | Electrometry |
| Electrical Conductivity | to be agreed ^{Note 1} | Electrometry |
| Suspended Solids | to be agreed ^{Note 1} | Gravimetry ^{Note 2} |
| Turbidity | to be agreed ^{Note 1} | Turbidimeter or Nephelometer ^{Note 2} |
| Arsenic | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |
| Cadmium | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |
| Chromium (Total) | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |
| Copper | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |
| Lead | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |
| List I/II organic substances | to be agreed ^{Note 1} | GC/MS or other appropriate technique |
| Mercury | to be agreed ^{Note 1} | Atomic Spectroscopy / Electrometry |
| Nickel | to be agreed ^{Note 1} | Atomic Spectroscopy / Electrometry |
| Zinc | to be agreed ^{Note 1} | Atomic Spectroscopy / Colorimetry / Electrometry |

Note 1: frequencies to be agreed in the manner set out in Condition 9

Note 2: or other method as agreed in the manner set down in Condition 9

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E.4 Ecological Monitoring

Table E.4.1. Ecological Monitoring Locations (as shown on drawing 2925.11/J2/01 “Stagrennan Polder Macrofauna Sampling Sites”^{Note 1}

| STATION | EASTING | NORTHING |
|---------|--------------------------------|--------------------------------|
| 1a | 210885 | 275600 |
| 1b | 210850 | 275550 |
| 1c | 210850 | 275450 |
| 2a | 211300 | 275650 |
| 2b | 211500 | 275610 |
| 2c | to be agreed ^{Note 2} | to be agreed ^{Note 2} |
| 3a | 211210 | 275725 |
| 3b | 211225 | 275650 |
| 3c | 211235 | 275575 |
| 4a | 211470 | 275740 |
| 4b | 211475 | 275690 |
| 4c | to be agreed ^{Note 2} | to be agreed ^{Note 2} |

Note 1: excluding other locations as required by Condition 9

Note 2: to be agreed with the Agency as set out in Condition 9

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SCHEDULE F Specified Engineering Works

Table F.1 Specified Engineering Works

| Specified Engineering Works |
|--|
| Strengthening of the training wall, including additional works should the proposals not prove effective in practice |
| Settlement lagoons within the facility and any associated modification thereto. Included shall be proposals for further developments/improvements of the design/operation of the lagoons in the event that the surface water trigger values referred to in Schedule H are exceeded. Provision shall be made in respect of the discharge from the weir being restricted by the Agency to a six hour period, commencing with high tide |
| Modifications to the weir, including a flow control structure whereby discharges from the weir to the River Boyne can be caused to cease |
| Unless the licensee has established a right of occupation in respect of the area of the facility shown in Drawing 2925.11/B1/01 which is marked as being in the ownership of Mrs Philomenia Matthews, structures to prevent wastes being deposited, washed or otherwise being placed on that land |
| Any dock/quay and/or sands and gravels washing plant in respect of the removal of wastes deposited at the facility |
| Access roads and access points, including specification of all gates and other security measures |
| Hardstanding areas, including associated drainage |
| Site office and other site accommodation, plant sheds, garages or other structures |
| Wheel cleaning facilities |
| Fuel storage facilities, including bunding |
| Restoration and aftercare works specified on condition 8 |
| Any other works notified in writing by the Agency |

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SCHEDULE G Emission Limits

G.1 Noise Emissions: (as measured at the noise monitoring points indicated on Drawing No. 2925.11/J7/01 A “Noise Monitoring Locations” and at any other location agreed by the Agency under condition 9) .

Table G.1 Noise Emission Limits

| Day dB(A) $L_{Aeq}(30 \text{ minutes})$ | Night dB(A) $L_{Aeq}(30 \text{ minutes})$ |
|---|---|
| 55 | 45 |

G.2 Dust Emissions: (Measured at the dust monitoring points shown on Drawing 2925.11/J1/01 “Dust Monitoring Locations” and at other locations to be agreed under Condition 9).

Table G.2 Dust Emission Limits

| |
|--|
| Level (mg/m ² /day) ^{Note 1} |
| 240 |

Note 1: 30 day composite sample with the results expressed as mg/m²/day.

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SCHEDULE H Trigger Values

H.1 Lagoon Discharge Values (Measured at monitoring points in the lagoon or in proximity to the weir as to be agreed under Condition 9).

Table H.1 Lagoon Discharge Values

| |
|------------------------------------|
| Suspended solids ^{Note 1} |
| 100 mg/l |

Note 1: expressed as an average of three samples taken in succession in the manner required by Condition 9.

H.2 River Boyne Water Quality Values (as measured at the locations shown on Drawing 2925.11/J9/01 "Surface Water Monitoring Points" and as defined in Schedule E)

Table H.2 River Boyne Water Quality Values

| Parameter | Value | Relevant Condition |
|------------------|---------|---|
| Suspended Solids | 50 mg/l | above background values ^{Note 1} and at any one monitoring point |
| Suspended Solids | 25 mg/l | above background values ^{Note 1} and at all relevant monitoring points |

Note 1: background values shall mean values taken at those points identified in Schedule E and shown on Drawing 2925.11/J9/01 which, as the case may be, are described as Ebb Tide Background Monitoring Points when the state of the tide is in the ebb and Flood Tide Background Monitoring Points when the state of the tide is in the flood.

Signed on behalf of the said Agency:
on the 15th day of December, 1998

P. Nolan Authorised Person