



MEATH COUNTY COUNCIL

Local Government (Water Pollution) Acts, 1977 and 1990. Local Government (Water Pollution) Regulations 1978 and 1992.

Licence to Discharge Trade Effluent to Waters - AMENDMENT

Ref. No. in Register D/L 13/07

**To: Kilsaran Concrete
Piercetown
Dunboyne
Co. Meath.**

Having regard to the foregoing, there are no objections in recommending that Meath County Council grant **Kilsaran Concrete, Piercetown, Dunboyne, Co. Meath** a licence to discharge trade effluent to waters at Kilsaran Concrete, Tullykane, Kilmessan, Co. Meath subject to the following conditions.

1 General Layout and Operations

- 1.1. This Licence shall be in respect of the discharge of treated effluent arising from quarry operations at Kilsaran Concrete, Tullykane, Kilmessan, Co. Meath to surface waters.
- 1.2. The Licensee shall be permitted to discharge treated effluent to waters at location E 290058, N 257611.
- 1.3. In the event of pollution of any waters arising from the Licensee's activities, whether due to accidental discharge or discharge other than in accordance with the terms and conditions of this licence, the Licensee shall make good all damage resulting from such pollution, including, if necessary:
 - (i) the replacement of fish stocks,
 - (ii) the restoration of spawning grounds,



- (iii) the removal of polluting matter from waters
- (iv) the modification of its discharge regime to prevent re-occurrence,
- (v) or such other measures as may be directed by the Licensing Authority.

- 1.4 The Licensee shall ensure all quarry sumps for dewatering are at least 950m² in area each and are maintained to provide capacity of at least 1500m³ each. The pump intake in all sumps shall be surface mounted. Any new sump developed for de-watering shall comply with this specification. The dimensions of any new sump shall be confirmed to the Licensing Authority through submission of an as constructed survey to the Licensing Authority within 1 month of sump development..
- 1.5 All effluent generated by quarry operations which is discharged to waters shall be directed through at least one quarry sump followed by the final settlement pond of capacity 390m³.
- 1.6 The Licensee shall ensure that a Class I oil interceptor is provided on the discharge line. The oil interceptor shall have adequate capacity to treat the maximum discharge flow rate. The interceptor shall be serviced regularly to ensure that it does not become overloaded.
- 1.7 The Licensee shall ensure that the effluent treatment system (quarry sumps, settlement pond and oil interceptor) is operated and maintained in such a manner as to ensure the discharge of effluent is in accordance with the volume and emission limit values set out in this licence.
- 1.8 The Licensee's site shall be laid out, operated and maintained in such a manner as to prevent the discharge of any effluent to the receiving waters other than *via* the effluent treatment system.
- 1.9 Records of all maintenance, servicing and de-silting on the settlement ponds, sumps and the oil interceptor shall be maintained on site for inspection by Officers of the Licensing Authority.
- 1.10 A visual examination of the surface water discharge shall be carried out daily. A log of such examinations shall be maintained on the site.
- 1.11 In the event that any observations made on the quality or appearance of the surface water discharge should indicate that contamination has taken place, or in the event of any incident occurring on the site with the potential to cause pollution of surface or groundwater, the Licensee shall:
- (i) carry out an immediate investigation to identify and isolate the source of contamination,



- (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment, and
 - (iii) notify the Local Authority and Inland Fisheries Ireland as soon as practicable.
- 1.12 In the event of a prolonged period of heavy or sustained rainfall the Licensee shall cease the discharge of treated effluent from the quarry site where it appears that the discharge from the quarry is causing or is likely to cause flooding of lands downstream of the quarry.
- 1.13 In the event of a prolonged period of heavy or sustained rainfall, the Licensing Authority shall so direct if required, that the discharge from the quarry shall cease and shall determine when the discharge can re-commence.
- 1.14 The Licensee shall ensure that the proposed site is at all times stocked with an adequate supply of oil/chemical spill kits including booms and suitable absorbent materials and that staff are trained in the appropriate use and deployment of such equipment. The Licensee shall prepare a documented Spill Response Procedure, to be kept on site, to cover oil and fuel spillages and shall ensure that staff are trained to implement the Spill Response Procedure.
- 1.15 All fuel oil and chemical storage tanks shall be provided with bunding. The capacity of the bunding shall be at least 110% of the capacity of the largest tank or 25% of the total volume which could be stored within the bunded area, whichever is greater.
- 1.16 Drainage from the bunded area shall be collected for safe disposal. All bunds shall be tested at least once every three years by a competent firm and test report submitted to the Licensing Authority.
- 1.17 The Licensee shall provide a discharge sampling and inspection point for the treated discharge downstream of the v-notch weir and shall ensure that this is maintained to provide safe access for inspection and sampling.
- 1.18 The Licensee shall maintain a flow-measuring device in order to measure and log flow rate of the final treated effluent discharged to waters. Records of daily flow rates (total volume discharged per day) shall be maintained and submitted to the Licensing Authority on a quarterly basis. The flow-measuring device shall be calibrated and maintained to ensure the accuracy of measurements. Evidence of flow measurement calibration shall be submitted to the Licensing Authority upon request.
- 1.19 Where after 3 years from the date of grant of this discharge licence no discharge of the type authorised by the licence has been made, or where such a discharge has ceased for a period of 3 years, the licence shall cease to have effect.



2. Effluent Characteristics:

2.1 Oils and grease shall not be present in the effluent in such quantities as to:

- (i) form visible films on the surface of the water;
- (ii) form coatings on the river bed, benthic biota or food resources;
- (iii) cause deleterious effects on aquatic life; or
- (iv) impart a detectable taste or odour or edible aquatic species.

2.2 The total volume of effluent to be discharged shall not exceed 62.5m³ per hour and 1500 m³/day.

2.3 Effluent as discharged shall comply with the quality standards set out hereunder in respect of the following determinants:

Parameter:	Units:	Maximum Limit Value:
BOD5	mg/l	2.0
COD	mg/l	50
Suspended Solids	mg/l	20
pH	pH units	6.0 – 9.0
Ortho-phosphate, as P	mg/l	0.060
Nitrates, as N	mg/l	8.0
Ammonium, as N	mg/l	0.10
Total Petroleum Hydrocarbons	µg/l	50
BTEX Compounds	µg/l	10

Parameter:	Units:	Minimum Limit Value:
Dissolved Oxygen	mg/L	7.0

Monitoring Regime:

3.1 The Licensee shall arrange for monthly sampling and analysis of the discharge for the determinants listed in Condition 2.3 above, during all periods that discharges occur. The analysis shall be carried out by an independent laboratory which can demonstrate competence to undertake the relevant tests through accreditation and/or participation in relevant external proficiency testing schemes. Dissolved oxygen shall be measured on-site by calibrated dissolved oxygen meter.

3.2 Records of daily flow rates (total volume of treated effluent discharged per day) shall be maintained and submitted to the Licensing Authority on a quarterly basis.



3.3 Copies of the results of monitoring and analysis in respect of Condition 3.1 and Condition 3.2 above shall be submitted to the Licensing Authority every quarter. A copy of the original Certificates of Analysis produced by the analysing laboratory shall be included in respect of results submitted under Condition 3.1. The sample label on the certificate of analysis shall clearly identify the origin and sample date of the discharge sample. The records shall also be made available for inspection at the site office during normal working hours by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act 1977, as amended.

3.4 The Licensee shall arrange for sampling and analysis of the discharge for the determinants listed below, during all periods that discharges occur, at a frequency of once every 6 months. The analysis shall be carried out by an independent laboratory which can demonstrate competence to undertake the relevant tests through accreditation and/or participation in relevant external proficiency testing schemes. In respect of metals, the analysis shall be carried out using methods of analysis that provide a limit of detection of < 0.005 mg/L or lower.

Total Hardness, Alkalinity, Conductivity, Sulphates, Cu, Zn, Pb, Cd, Ni, As, Cr (total), Fe, Mn.

3.5 Copies of the results of monitoring and analysis in respect of Condition 3.4 shall be submitted to the Licensing Authority within 1 month of the date of sampling. A copy of the original Certificates of Analysis produced by the analysing laboratory shall be included in respect of results submitted under Condition 3.4. The sample label on the certificate of analysis shall clearly identify the origin and sample date of the discharge sample. The records shall also be made available for inspection at the site office during normal working hours by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act 1977, as amended.

3.6 The frequency of discharge sampling under Condition 3.1 may be reduced on the written agreement of the Licensing Authority, subject to satisfactory compliance with the limits set out in the Licence over a 12 month period following the grant of this licence. In the event of non-compliance with licence conditions, the Licensing Authority may direct that monthly sampling frequency is reinstated.

3.7 The discharge sampling and inspection point shall be laid out, operated and maintained in such a manner as to allow free and safe access by authorised personnel.

4. Access by Authorised Personnel:

4.1 Details of emergency contact personnel, including addresses and telephone numbers, shall be made available to the Licensing Authority within one month of



the date of grant of this licence. At least one such person shall be available for contact at all reasonable times, having due authorisation from the Licensee to expedite emergency measures as may be required.

- 4.2 Authorised Officers of the Licensing Authority, or its agents, or any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977, as amended, shall have access to the site at all reasonable times, including if necessary, times other than normal working hours.

5. Change of Use of the Development:

- 5.1 The Licensee shall notify the Licensing Authority of any proposed change in the operation of the premises, which would cause, or be likely to cause, a material alteration in the nature, or increase in the volume of effluent discharged.

- 5.2 No changes in relation to the discharge (flow rates, effluent concentrations) shall take place without the prior written agreement of the Licensing Authority.

- 5.3 The Licensing Authority shall interpret whether any such change is material or not, and whether a review of the Licence is required as a result.

- 5.4 Where the trade effluent discharge from the site has ceased permanently, the Licensee shall notify the Licensing Authority, within 3 months of cessation.

6. Contributions to the Licensing Authority:

- 6.1 The Licensee shall pay to the Licensing Authority an annual contribution of € 1174 or such sum as the Licensing Authority from time to time determines, towards the costs incurred by the Licensing Authority of monitoring the discharge. For 2013, the Licensee shall pay a *pro rata* amount from the date of this licence to the 31st of December 2013. This amount shall be paid to the Licensing Authority within one month of the date of grant of this licence. The Licensee shall in 2014 and subsequent years, pay to the Licensing Authority such revised annual contribution as the Licensing Authority determines for the monitoring of the discharge and all such payments shall be made within 1 month of the date upon which demanded.

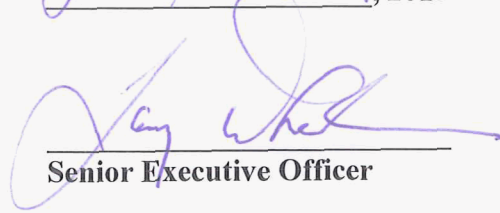
- 6.2 In the event that the frequency or extent of monitoring, investigations or testing carried out by the Licensing Authority needs to be increased, the Licensee shall contribute such sums as determined by the Licensing Authority to defray its costs in relation to the additional monitoring, investigations or testing



Dated this the

25th November, 2013

SIGNED:


Senior Executive Officer

Environment Order No. 226/2013

See Schedule No. 1 (attached) for appeal procedure.

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SCHEDULE NO. 1

APPEAL

An appeal under Section 8 of the Local Government (Water Pollution) Act, 1977 as amended by the Local Government (Water Pollution) (Amendment) Act 1990 may be made to An Bord Pleanála by any person within the prescribed period set out i.e. one month beginning on the date of the decision on the Licence and shall be accompanied by a fee of €126 and shall:-

- a) Be made in writing
- b) State the name and address of the appellant
- c) State the subject matter of the appeal and
- d) State IN FULL the grounds of the appeal and the reason, considerations and arguments on which they are based.

Without prejudice to Article 19 of the Local Government (Water Pollution) Regulations, 1992 an appellant shall not be entitled to elaborate in writing upon, or make further submissions in writing in relation to the grounds of appeal stated in the appeal or to submit further grounds of appeal and any such elaboration, submission or further grounds of appeal that is or are received by the Board shall not be considered by it.

A person, other than a party to an appeal, may make submission or observations, in writing, to the Board in relation to the appeal on payment of a fee of €38.

