



Comhairle Chontae Dhún na nGall
Donegal Co. Council Central Laboratory

The Kube, Magheranan, Letterkenny, Co. Donegal

Tel: 074-9122787

www.donegal.ie

Mr John Patton,
Patton Bros. Quarry Ltd.,
Castlebane,
Stranorlar,
Co. Donegal.

7th April 2011

Re. : Results of effluent monitoring 2010


Dear Mr Patton,

Results of effluent monitoring for 2010 are as follows:

Station Name	Sample Lab Code	Sample Date	pH	Suspended Solids
Final Discharge from settlement lagoons	102502463	29/04/2010	7.23	<1
Final Discharge from settlement lagoons	102506204	25/11/2010	7.07	4
Final Discharge from settlement lagoons	112501331	31/01/2011	8.49	4

Effluent complied with licence conditions in 2010. You are required to sample effluent from the quarry twice per year and have the samples analysed for pH and suspended solids as per sections 3.2, 3.3 and 3.4 and also the receiving waters. Please forward results of analysis to the Donegal County Council laboratory or email to Shirley.mcmenamin@donegalcoco.ie by the **29th April 2011.**

Yours Sincerely,


Shirley McMenamin,
Senior Executive Technician.



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**Mr John Patton,
Patton Bros. Quarry Ltd.,
Castlebane,
Stranorlar,
Co. Donegal.**

18th February 2013

Re. : Results of effluent monitoring 2011 & 2012


Dear Mr Patton,

Results of effluent monitoring for 2011 & 2012 are enclosed. Effluent complied with licence conditions.

Forward the following by the 11th March 2013, by email to
dischargeresults@donegalcoco.ie

1. Results of analysis as per sections 3.2, 3.3, 3.4 and 6.1 of the discharge licence.

Yours Sincerely,


Shirley McMenamin,
Senior Executive Technician.

*Called Shirley on 20/2/13.
Everything O.K. - Keep this letter on file.*



LOCAL GOVERNMENT (WATER POLLUTION) ACT, 1977

**LOCAL GOVERNMENT (WATER POLLUTION)
(AMENDMENT) ACT, 1990.**

Licence to discharge trade effluent to waters

LOCAL AUTHORITY DONEGAL COUNTY COUNCIL

**To: Patton Bros Quarry Ltd,
Castlebane,
Stranorlar,
Co Donegal.**

Reference Number in Register Lwat 63.

Donegal County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Act, 1977 and the Local Government (Water Pollution) (Amendment) Act, 1990 hereby grant an effluent discharge licence to discharge effluent from the quarry of **Patton Bros Quarry Ltd.** known as the **Patton Brothers Quarry at Gortletteragh, Ballybofey** to a tributary stream of the **River Finn** at Gortletteragh, Ballybofey subject to the following conditions :

1. General layout and Operations :

- 1.1 This licence shall be in respect of the discharge of trade effluent arising in that part of the licensee's lands known as the Patton Brothers Quarry located at Gortletteragh, Ballybofey, County Donegal.
- 1.2 Settlement Lagoons with an associated oil interceptor are to be installed and maintained to ensure the quality of final effluent meets the limits specified in section 2.3. The interceptor is to be of sufficient size as to ensure treatment of the discharge. A record of interceptor maintenance is to be kept on site and should be available for inspection. The records should detail all servicing and inspections of the oil interceptor
- 1.3 No water or effluent shall be piped or otherwise conveyed to the Patton Brothers Quarry from any other part of the licensee's lands.
- 1.4 No domestic sewage or hydrocarbon oils shall be discharged with or allowed to mix with the effluent arising in the Patton Bros Quarry.
- 1.5 The licensee shall not dispose of any sludge arising in the settlement lagoons or other areas of the Patton Brothers Quarry other than in accordance with a waste disposal permit issued by the licensing authority.

- 1.6 The Patton Brothers Quarry site shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter to the receiving waters other than via the on site water treatment systems.
- 1.7 In the event of pollution of the receiving 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 :
- (a) the replacement of fish stocks;
 - (b) the restoration of spawning grounds;
 - (c) the removal of pollutant from waters;
 - (d) the modification of it's discharge regime to prevent recurrence; or
 - (e) such other measures as may be directed by the Local Authority.
- 1.8 In the event that any observations are made by persons authorised under the Water Pollution Act 1977/90, on the quality or appearance of the surface water discharge indicating that contamination has taken place, the licensee shall :
- (a) carry out an immediate investigation to identify and isolate the source of contamination,
 - (b) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment, and
 - (c) notify the Local Authority and the Loughs Agency (048 713421000) as soon as practicable.
- 1.9 The licensee shall submit a site environmental response plan, for formal approval by Donegal County Council, which should outline response plans for use in the event of pollution of the receiving 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.
- 1.10 The licensee shall ensure that vehicles used for transport of materials from the premises are designed to prevent spillage and dust blow. If dust or liquid deposits occur on the public roads, drains or hedges as a result of the operations on the site, that may enter into the local drainage system contravening the limits set in this licence, the licensee shall clean up all deposits immediately.
- 1.11 All tank and drum storage areas for fuel or other oils shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following;
- (i) 110% of the capacity of the largest tank or drum within the bunded area,
 - (ii) 25% of the total volume of substance, which could be stored within the bunded area.
- 1.12 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of Donegal County Council within six months of granting of this Licence. In order to ensure continued compliance with this condition, integrity testing of all bunding structures shall be carried out on an annual basis, by an approved contractor.

3. Monitoring Regime :

3.1 An accessible sampling point shall be provided which is representative of the final Discharge. The location of this sampling location is subject to the approval of Donegal County Council.

3.2 The licensee shall commission an independent accredited laboratory to take and analyse samples of the discharge on a bi annual basis. The samples shall be taken at a time when the quarry is in operation. The samples shall be taken so as to be representative of the effluent discharge. *twice a year: ponds*

3.3 The samples shall be analysed for the following parameters: pH and Suspended Solids.

3.4 The results of all samples taken within the calendar month shall be forwarded to the Licensing authority within ten working days of the end of that month.

3.5 The licensee shall conduct a visual inspection of the discharge on a daily basis and maintain a record book of the inspections noting the condition of the discharge and the receiving waters.

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 expediate emergency measures as may be required.

4.2 Authorised Officers of the Licensing Authority, or its agents, or any person authorised under section 28 of the Local Government (Water Pollution) Act 1977 as amended by section 19 of the Local Government (Water Pollution) (Amendment) Act, 1990 shall have access to the licensee's site at all times.

4.3 Authorised Officers of the Loughs Agency, or any person authorised under The Foyle Fisheries Act (1952) shall have access to the discharge point for the purpose of sampling and assessing water quality for fisheries. It should be noted that it is an offence under Section 41 of the Foyle Fisheries Act 1952 to cause pollution which is detrimental to fisheries interest.

5. Change of Development :

5.1 The licensee shall notify the Licensing Authority of any proposed change in the operation of the quarry or plant that 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 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.

6. Monitoring of Receiving Waters:

6.1 The licensee shall commission, from a competent independent person, annual sampling of the receiving stream into which the effluent discharges, at a representative location upstream of the discharge and a representative location downstream of the discharge. The samples should be analysed for the following parameters: pH, and suspended Solids.

One a year
above
+
below

7. Contributions to the Licensing Authority

7.1 The licensee shall pay the licensing Authority the costs incurred by the licensing authority of monitoring the discharge, subject to a minimal annual payment of €269 (two hundred and sixty nine euro). The licensee shall pay this amount within one month of the date of grant of this licence, and in subsequent years, not later than the 31st January each year, pay that amount to the local Authority. The minimum annual payment shall be updated annually in accordance with Table 5 of the All Items Index (base at December 2001 = 100) published by the Central Statistics Office. The licensing authority shall notify the updated amount to the licensee.

7.2 The Licensee shall pay the Licensing Authority such additional fees, as the Licensing Authority considers necessary for the carrying out of any confirmatory or specialist testing during the life of the licence.

Joe Ferry

Joe Ferry (Dr),
Executive Scientist.

Dated this 15/12/2008

Note.

Please note that this licence is one granted solely for the purposes of the Local Government (Water Pollution) Acts in respect of discharge of trade effluent. Any permissions or consents required under other legislation (including planning permission) need to be sought separately. The issue of the licence is not therefore to be taken as implying that you can proceed with operations which are not so authorised where required under separate legislation.

Appeals

You are advised that a person to whom a licence has been granted may appeal, under Section 8 of the Local Government (Water Pollution) Act, 1977, as substituted by Section 6 of the Local Government (Water Pollution) Act, 1990, to an Bord Pleanala in relation to the grant. Such appeal should be made in writing, within one month from the date of grant of the licence stating the subject matter of the appeal and the grounds of the appeal. Any appeal to An Bord Pleanala must be accompanied by a fee of €126.