

Local Government (Water Pollution) Act, 1977 and 1990

LICENCE TO DISCHARGE TREATED SEWAGE EFFLUENT TO WATERS

LOCAL AUTHORITY: SLIGO COUNTY COUNCIL

TO: **Fallon Oils Ltd.,  
Ballinacarrow,  
Co. Sligo.**

Sligo County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Act, 1977, as amended, hereby grants a licence, Ref. DL(W)37, to Fallon Oils Ltd, Ballinacarrow, Co. Sligo, to discharge treated sewage effluent to groundwater in the Townland of Castledargan.

**The Licence shall be subject to the following conditions:**

**Emission to Waters**

1. The maximum volume of sewage effluent discharge shall not exceed 72m<sup>3</sup> per day and the maximum volume discharged in any hour shall not exceed 9 m<sup>3</sup>.
2. Effluent from the proprietary effluent treatment plant shall be discharged to an adequately designed sand polishing filter. There shall be no direct discharge of any polluting matter to surface water.
3. The Licencee shall eliminate from the effluent any of the following matters:
  - a) Fat, oil and grease
  - b) Petrol or any inflammable light oil
4. The licensee shall not discharge, or cause or permit to be discharged from the rapid sand filter:
  - a) Any effluent with a pH less than 6 or greater than 9.
  - b) Any effluent with a suspended solids content greater than 30 mg/l
  - c) Any effluent with a Biochemical Oxygen Demand (BOD) greater than 20mg/l
  - d) Any effluent with a Chemical Oxygen Demand (COD) greater than 125 mg/l
  - e) Any effluent with a Total Phosphorus Content greater than 2 mg/l
  - f) Any effluent with a Total Nitrogen content greater than 15mg/l N

## Monitoring and Reporting

5. A suitable sampling chamber shall be provided on the effluent pipe prior to it discharging to the polishing filter. Separate inspection chambers on all surface water discharge pipes. The licensee shall provide safe and permanent access to the sampling and inspection chambers and flow meter to any authorised person under the Local Government (Water Pollution) Acts, 1977 & 1990.
6. A suitable sampling chamber shall be installed on the discharge pipe from the spa bath prior to discharging to a suitable watercourse.
7. The effluent prior to discharging to the polishing filter shall be monitored in accordance with the requirements set out below. All analysis shall be carried out by a laboratory accredited for each of the analysis specified.

Parameter	Monitoring Frequency	Analysis Method
Flow	Continuous	On-line flow meter with recorder
Chemical Oxygen Demand	Monthly	Standard Methods
Biochemical Oxygen Demand	Monthly	Standard Methods
Suspended Solids	Monthly	Gravimetric
PH	Monthly	pH Electrode/Meter
Total Phosphorus (as P)	Monthly	Standard Methods
Total Nitrogen (as N)	Monthly	Standard Methods

8. The company shall install & maintain on the treated effluent pipe prior to it discharging to the polishing filter an automatic measuring device with a chart recorder, which will record instantaneous rate of flow. An integrated unit shall be provided and daily records of effluent flow shall be kept. Flow charts and records shall be kept for one year from the date of recording of information and shall be submitted quarterly to The Environment Section, Sligo County Council.
9. The licensee shall conduct a full study of the effluent treatment system including an assessment of the quality of the final effluent to assess compliance with the terms of the discharge licence. This study shall be commenced within two months of the date of commissioning of the effluent treatment plant. The findings of this study shall be submitted to the Local Authority within 6 weeks of completion of the study. Any measures identified to ensure on-going compliance shall be put in place immediately.
10. All treatment, control and monitoring equipment shall be calibrated and maintained when in use and all records of calibration and maintenance shall be made available for inspection on request.
11. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with this licence and these records shall be submitted to the Local Authority on a quarterly basis or on request by the Local Authority.

12. The effluent treatment system shall be desludged in accordance with the manufacturer's instructions. Records of all desludging shall be maintained and made available for inspection by the Local Authority on request.
13. Sludge to be taken off site by a suitably permitted contractor. Records of type and quantity of sludge taken off site, date taken offsite and the name of the company taking the waste to be kept on site and submitted to Sligo County Council on request.
14. Sligo County Council shall be informed immediately of any malfunction or breakdown in the effluent treatment plant or any of its ancillary works which may cause deterioration of the final effluent or threaten contamination of any adjacent watercourse or groundwater.

#### **General**

15. A standby generator shall be installed. It should be an automatic system, whereby the changeover to the power generator is immediate. All pumps and motors should have a standby facility, which shall operate in emergency or overload conditions. All duty pumps and motors shall be alternated in accordance with best practice.
16. Mechanical failure of any components of the sewage effluent treatment plant shall be detected by the provision of an audible & visual alarm system to alert the nominated maintenance personnel of any system malfunction as detailed in the discharge licence application.
17. Adequately designed grease traps to be installed on the discharge from the hotel/golf club kitchen. The grease traps shall be cleaned and maintained in accordance with manufacturer's instructions and a log shall be put in place to record the time and date of cleaning/maintenance events, together with any observations made during these inspections. This log shall be made available for inspection on request.
18. A person shall be appointed as the person responsible for the operation and maintenance of the effluent treatment plant. This person shall be identified to Sligo County Council within 4 weeks of the licence been granted. This person shall be adequately trained in the operation and maintenance of the plant and be available to respond to any breakdown or malfunction of the treatment plant. This person shall maintain a register of daily/weekly inspections of the treatment plant and details of any action taken regarding the operation of the plant. This register shall be available for inspection upon request by Sligo County Council.
19. A maintenance contract for the treatment plant and rapid sand filter shall be entered into with the effluent treatment plant manufacturers/installers. This contract shall include a full mechanical and maintenance check to be carried out at six monthly intervals, with 24 hr emergency call-out service. The maintenance contracts shall be submitted to the Local Authority prior to commissioning of the effluent treatment plant. This contract shall be renewed annually and submitted to the Environmental Section, Sligo County Council.

20. An Emergency Response Procedure for the effluent treatment system and effluent discharge should be drawn up and submitted for approval to The Environment Section, Sligo County Council within 4 weeks of the date of commissioning of the effluent treatment plant.
21. In accordance with Section 7 of the Local Government (Water Pollution) Act 1977 as amended by Section 5 of the Local Government (Water Pollution) Act 1990, the conditions of the licence may be reviewed after three years or an earlier date as circumstances may require.
22. The Licencee shall pay, on demand, a sum of €1,200 per annum, updated in accordance with the Consumer Price Index, to cover the cost of monitoring by Sligo County Council.
23. This licence will take effect from the date of issue of the licence.

SIGNED: Patrick J. Donohue  
Director of Services.

DATE: 13 July, 2006.