

Mr Mark Johnstown
Senior Executive Engineer
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County Offices
The Glen
Monaghan

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21 July 2011

D0446-01

re: Notice in accordance with Regulation 18(3)(b) of the Waste Water Discharge (Authorisation) Regulations 2007

Dear Mr Johnstown

I am to refer to the above referenced application for a waste water discharge licence relating to agglomeration named **Scotshouse**. Having examined the documentation submitted, I am to advise that the Agency is of the view that the documentation does not comply with Regulation 16 of the Waste Water Discharge (Authorisation) Regulations 2007.

You are therefore requested, in accordance with Regulation 18(3)(b) of the regulations, to take the steps to supply the information detailed below:

REGULATION 16 COMPLIANCE REQUIREMENTS

Section A: Non-technical Summary

- Update the non-technical summary to reflect the information provided in response to this notice.

Section B: General

- Provide details on how much of the current load to the waste water treatment plant (WWTP) is from a domestic source and how much is from a non-domestic source.
- Provide an estimate of the increase in the population equivalent (p.e.) of the agglomeration, in the next six years.
- Submit a copy of the revised Drawing No. 4 entitled “*waste water treatment plant monitoring and sampling locations associated with discharge point*” with the correct grid references for the upstream monitoring location aSW1(P)u and the inspection chambers associated with the reed beds.
- Clarify the number of final settlement tanks at the WWTP. Include the reed beds and evapotranspiration area on the schematic flow diagram. Submit a copy of the revised Drawing No. 7 entitled “*Waste water treatment plant schematic flow diagram*” accordingly.
- Clarify how wastewater is collected in the agglomeration, for example combined or separate foul sewage drainage network.
- According to Section B.6 of your application Part 8 planning permission and an EIS were not required for the waste water treatment plant. Would you please provide

confirmation from the planning Authority as to whether planning permission was granted or not required? If planning permission was granted please provide:

- Details of the planning permission, including reference number and conditions attached to the permission.
 - Provide confirmation from the Planning Authority that, in the grant of planning approval, no Environmental Impact Statement was required in relation to the Scotshouse waste water treatment plant.
- If planning permission was not required, would you please justify as to why no planning permission was required for the Scotshouse waste water treatment plant.

Section C: Infrastructure and Operation

- Provide details, if available on the design discharge concentration for total phosphorus, suspended solids, and ammonia as N for the existing WWTP (600 p.e.).
- An emergency overflow is identified at the WWTP, clarify the location of the emergency overflow in the WWTP and where this emergency over flow discharges, include grid references. Confirm whether this is an emergency overflow or a storm water overflow.
- Clarify whether the emergency overflow at the WWTP has been known to activate in the last 12 months. If so provide the reason for the activation, and give details of the frequency, duration and discharge volumes, where available.
- Assess the design criteria of the storm water overflows. Demonstrate (providing available evidence) whether all storm water overflows meet the design criteria established in '*Procedures and Criteria for Storm Water Overflows*', published by the Dept. of the Environment, 1995. Clarify whether there are screens on all of the overflows and identify any SWOs that may be impacting on surface water quality. Where a storm water overflow does not comply with these guidelines, give details of the plans, for improvement.
- Confirm when the WWTP and reed beds were constructed.
- Provide the design details for the WWTP, including the reed beds and the evapotranspiration area. Clarify the location of the primary discharge monitoring point. Justify that it will provide representative monitoring of the discharge or propose an alternative monitoring point.

Section D: Discharges to the Aquatic Environment

- In relation to Table D.1(i)(a), provide the flow rate in receiving waters. Also provide the normal/day volume (m^3) at the inlet to the WWTP and the primary discharge to the receiving water (after the evapotranspiration area). If this data is unavailable, provide estimates based on the size of the agglomeration and the waste water treatment provided on-site for the normal/day volume (m^3) at the inlet to the WWTP and the primary discharge to the receiving water.
- Provide date(s) when all the monitoring reported in Table D1(i)(b) and Table D.1(i)(c) was carried out.
- The Agency notes that monitoring data provided in Table D.1 (i)(b) for the Scotshouse primary discharge point SW1(P) for suspended solids (S.S) is 76 mg/l, which exceeds the design limit of the WWTP of 30 mg/l S.S. Explain the cause of the exceedance and advise on what measures are in place to rectify this matter. The response to this matter should include details of a programme of improvements in relation to the high S.S with timescales for implementation.

Section E: Monitoring

- Provide effluent, influent, upstream and downstream monitoring data from May 2009 to date.
- Confirm the hardness (as CaCO₃) of the receiving water upstream and downstream of the primary discharge point to determine compliance with the European Communities Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

Section F: Existing Environment & Impact of the discharges (s)

- Demonstrate that the effluent discharge, via the primary discharge point, to the receiving water does not cause an exceedance of the European Communities Environmental Objectives (Surface Waters) Regulations 2009 for parameters including BOD, total ammonia and molybdate reactive phosphorus (MRP). If there is a breach of the relevant water quality standards, then review the need for a programme of improvements and submit the details accordingly.
- Provide an assessment of losses to ground and groundwater from the reed beds and the evapotranspiration area. Calculate the daily losses to ground and ground water taking into consideration the permeability of the lining or barrier material installed in both the reed beds and the evapotranspiration area.
- Determine if there is likely to be a significant impact from the waste water discharges from the Scotshouse agglomeration on the relevant *European Sites*

You are requested to use the EPA guidance note: *Waste Water Discharge Licensing – Appropriate Assessment* when completing your determination. This guidance is available on the EPA website www.epa.ie (see Downloads\ Forms\ Licensing & Permitting\ Waste Water Discharge Authorisation). Each step of Stage 1 Screening should be completed and the results of each step recorded.

If based on the above determination (Stage 1) there is likely to be a significant effect on a *European site(s)* then an Appropriate Assessment (Stage 2) must be carried out. Where it is considered that an Appropriate Assessment is not required, provide a reasoned response.

You should also refer to Circular L8/08 '*Water Services Investment and Rural Water Programmes – Protection of Natural Heritage and National Monuments*' issued by the Department of the Environment, Heritage and Local Government to assist in this determination, in particular, the flow diagram in Appendix 1.

Your reply to this notice should include a revised non-technical summary which reflects the information you supply in compliance with the notice, insofar as that information impinges on the non-technical summary.

In the case where any drawings already submitted are subject to revision consequent on this request, a revised drawing should be prepared in each case. It is not sufficient to annotate the original drawing with a textual correction. Where such revised drawings are submitted, provide a list of drawing titles, drawing numbers and revision status, which correlates the revised drawings with the superseded versions.

Please supply the information in the form of a one original plus one copy within **eight** weeks of the date of this notice. In addition please submit one copy of the requested information in electronic searchable PDF format on a CD-ROM (no file to exceed 10MB) to the Agency. Please note that all maps/drawings should not exceed A3 in size.



REGULATION 12 COMPLIANCE REQUIREMENT

To date the Agency has not received a response to the notice issued in accordance with Regulation 12 of the Waste Water Discharge (Authorisation) Regulations 2007 on 23 July 2009. Please supply the information requested in this notice within **four** weeks of the date of this notice. A copy of the notice is enclosed for your convenience.

Please note that the application's register number is D0446-01. Please direct all correspondence in relation to this matter to *Administration, Environmental Licensing Programme, Office of Climate, Licensing & Resource Use, Environmental Protection Agency, Headquarters, PO Box 3000, Johnstown Castle Estate, County Wexford* quoting the register number.

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'Jennifer Cope', is written over a horizontal line.

Jennifer Cope

Inspector

Office of Climate, Licensing & Resource Use



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Senior Executive Engineer
Monaghan County Council
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23 July 2009

D0446-01

re: Notice in accordance with Regulation 12 of the Waste Water Discharge (Authorisation) Regulations 2007

Dear Mr Johnstown,

I am to refer to the above referenced application for a waste water discharge licence in respect of Agglomeration named Scotshouse. I am directed to advise you of a failure of compliance with Regulation 9 of the Waste Water Discharge (Authorisation) Regulations 2007. In particular, the site notice was not present when the site was inspected on the 16th July 2009. Regulation 11 states that the site notice should be 'securely erected or fixed in a conspicuous position adjacent to a public road at the point nearest to the waste water treatment plant so as to be easily visible and legible by persons using the road'.

The Agency therefore requires you, in accordance with Regulation 12 of the regulations, to

- Erect and maintain a further site notice in accordance with regulation 11 of the Waste Water Discharge (Authorisation) Regulations 2007 for a period of at least 1 month; and
- Submit a copy of the text of the site notice, a dated photo and an appropriately scaled drawing (no larger than A3) showing its location at the waste water treatment plant. The notice should be accessible and visible from a public roadway.

Please supply the information in the form of one original plus one copy within 4 weeks of the date of this notice. In addition please submit one copy of the requested information in electronic searchable PDF format on a CD-ROM to the Agency. Please note that all map drawings should not exceed A3 in size.

Please direct all correspondence in relation to this matter to *Administration, Environmental Licensing Programme, Office of Climate, Licensing & Resource Use, Environmental Protection Agency, Headquarters, PO Box 3000, Johnstown Castle Estate, County Wexford* quoting register number D0490-01.



Yours sincerely,

pp Patrick Moran

Patrick Byrne
Senior Inspector
Environmental Licensing Programme
Office of Climate, Licensing & Resource Use