



Mr Mark Johnston
Senior Executive Engineer
Monahan County Council
The Glen
Monaghan

Environmental Protection Agency
Water Pollution Control Division
Water Pollution Control Unit
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21 July 2011

D0465-01

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

Dear Mr Johnston

I am to refer to the above referenced application for a waste water discharge licence relating to agglomeration named **Annyalla**. 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 the date the WWTP was commissioned and the date that Monaghan County Council commenced operation of the plant.
- 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:
 - Would you 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 Annyalla waste water treatment plant
- If planning permission was not required, would you please justify as to why no planning permission was required for the Annyalla waste water treatment plant.
- 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.

- Clarify how wastewater is collected in the agglomeration, for example combined or separate foul sewage drainage network.
- **Section C: Infrastructure and Operation**
- Provide details, if available, on the design discharge concentration for total phosphorus and ammonia as N for the existing WWTP (600 p.e.).
- In storm conditions, to where does the storm water overflow when the waste water treatment plant is at full capacity.
- Provide design details for the WWTP, in particular the series of ponds.
- The newspaper and site notice state that the primary discharge is to the Dunfelimy stream at Grid Ref: 279840E, 323758N. Section C.1 (ii) *Information on the location of final discharge locations* of the application states that the primary discharge point discharges to the Carrickaslane Lough stream at Grid Ref: 279696E, 323806N. Clarify the grid reference of the primary discharge point and the name of the initial receiving water to which the primary discharge 'SW1(P)' discharges. Provide the name of the stream and river into which the initial receiving water flows. Provide a scaled map of the route of the initial receiving water to the river into which it finally flows.
- Clarify the location, including grid references, of the WWTP, primary discharge monitoring point, primary discharge point, upstream and downstream monitoring points. Submit revised drawings with the updated information, in particular Drawing No. 3 entitled *Waste water treatment plant location of primary discharge point* and Drawing No. 4 entitled *Waste water treatment plant monitoring and sampling locations associated with primary discharge point*.

Section D: Discharges to the Aquatic Environment

- Provide date(s) when all the monitoring reported in Table D1(i)(b) and Table D.1(i)(c) was carried out.

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.
- The Agency notes that there are elevated levels of cadmium in the primary discharge when compared to the water quality standards in the Surface Water Regulations 2009. There are also elevated levels of toluene (13.12 µg/l) downstream of the primary discharge point when compared to the Surface Water Regulations 2009 (10 µg/l for toluene). Explain the cause of the elevated cadmium in the primary discharge and the toluene in the receiving water downstream of the primary discharge point. 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 cadmium and toluene with timescales for implementation.

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.

- Determine if there is likely to be a significant impact from the waste water discharges from the Annyalla 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.

Please note that the application's register number is D0465-01. 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,


Jennifer Cope
Inspector
Office of Climate, Licensing & Resource Use

