



Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Mr. Martin Ryan
Drainage Division, Drainage Services
Environmental & Engineering Department
Dublin City Council
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Wood Quay
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Regional Inspectorate
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27th November 2008

D0034-01

re. Notice in accordance with Regulation 20(1)(a) of the Waste Water Discharge (Authorisation) Regulations 2007

Dear Mr. Ryan,

I am to refer to the above referenced application for a waste water discharge licence relating to the Ringsend agglomeration. Having examined the documentation submitted, application received on the 14 December 2007 and further information received on the 28 July 2008, 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 20(1)(a) of the regulations, to take the following steps to supply the information detailed below:

ARTICLE 16 COMPLIANCE REQUIREMENTS

1. Update the non-technical summary to reflect the information provided in response to this notice.
2. Provide details of the population equivalent (p.e) load in accordance with the definition (provided below) of population equivalent as specified in the Waste Water Discharge (Authorisations) Regulations 2007 and identify trends (historical) in the figures and also identify the predicted future p.e:-

“population equivalent” is a measurement of organic biodegradable load and a population equivalent of 1 (1 p.e.) means the organic biodegradable load having a five-day biochemical oxygen demand (BOD5) of 60g of oxygen per day; the load being calculated on the basis of the maximum average weekly load entering the waste water works during the year, excluding unusual situations such as those due to heavy rain.

3. Provide details (frequency, scope, etc) of monitoring undertaken at Bathing Water sites as well as monitoring results and provide an evaluation and assessment of the monitoring results with the requirements of the Bathing Water Quality Regulations 2008 (SI No. 79 of 2008).
4. Provide an assessment of the impact of the existing and proposed primary discharge (SW1). Clarify if planning approval and an Environmental Impact Statement are required for the proposed upgrade of the waste water treatment plant;
5. Provide summary details of the most up-to-date discharge modelling available. Your response shall include, as a minimum, details of scenarios where the discharge mixes and does not mix with the cooling water from ESB Poolbeg generating station, details of the limitations of the modelling exercise, discussion of the impact of the discharge and comparison with relevant quality standards, and any relevant drawings. The modelling report shall be submitted in support of your response.
6. Determine if there is likely to be a significant impact from the 'waste water discharges' (primary, secondary and storm overflows) on the Natura 2000 sites. You may use the flow diagram in Circular L/08, issued by Water Services Section Department of Environment, Heritage and Local Government, to assist in this determination. If there is likely to be a significant impact on a Natura 2000 site then you must undertake an appropriate assessment. This assessment should address the impacts and mitigation measures of the waste water discharges with respect to the conservation objectives of the identified Natura 2000 sites in the vicinity of the waste water discharges.
7. Provide an assessment of the impact of discharges from SW2.
8. Provide an assessment of the impact of storm water overflows from the agglomeration with reference to any available receiving water monitoring data and any other relevant data available. Identify any storm water overflows that may be causing surface water quality problems and/or that are known to discharge other than in response to rainfall events.
9. In relation to the Urban Waste Water Treatment Directive, provide details of how it is proposed to comply with the discharge concentration limit values specified in S.I. No. 254 of 2001 and S.I. No. 440 of 2004 by the prescribed dates. Your response shall as a minimum provide:
 - Consideration of changes in the population equivalent requiring treatment at the Ringsend Treatment Plant and changes associated with connection of secondary discharges, sewer upgrades, redesign and upgrade of storm water overflows and expansion of the agglomeration;
 - Details of the measures and works to be carried out at the Ringsend Treatment Plant, including measures to optimise existing capacity, provide nutrient removal and increase treatment capacity within the existing waste

water treatment plant and any redeveloped plant (including results of any preliminary assessments);

- Details of measures/alternative arrangements to be taken to mitigate the impact of the proposed cessation of the ESB Poolbeg generation cooling water discharge, and assess alternative arrangements for the discharge and dispersion of the primary effluent; and
- Details of measures to upgrade the sewer network, in particular redevelopment of inappropriately functioning storm overflows.

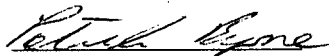
10. Based on the Dublin Bay Water Quality Monitoring Programme provide an interpretation of the monitoring results, a comparison with all relevant quality standards (including the Dangerous Substances Regulations) and a comparison with the objectives set under the Dublin Bay Water Quality Management Plan.

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 one original plus one copy within **1 month**, of the date of this notice, as specified under Regulation 20(1). 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 maps/drawings should not exceed A3 in size.

Please note that the application's register number is **D0034-01**. Please direct all correspondence in relation to this matter to *Administration, Environmental Licensing Programme, Office of Climate, Licensing & Resource Use, Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford*, quoting the register number.

Yours sincerely,



Patrick Byrne

Inspector

Office of Climate, Licensing & Resource Use