

Ms Patricia Power
Director of Services
Cork County Council
Area Operations South
Floor 5, County Hall
Carrigrohane Rd
Cork

Regional Inspectorate, Inniscarra
County Cork, Ireland

Cigireacht Réigiúnach, Inis Cara
Contae Chorcaí, Éire

T: +353 21 487 5540

F: +353 21 487 5545

E: info@epa.ie

W: www.epa.ie

LoCall: 1890 33 55 99

21 August 2009

D0134-01

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

Dear Ms Power,

I am to refer to the above referenced application for a waste water discharge licence relating to agglomeration named Castlemartyr. 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

Waste Water Works

- c) Provide a description of the design criteria and construction details of the primary discharge outfall.

In addition provide the following information:

- (i) Update the agglomeration boundary to include the primary discharge (SW01), which forms part of the waste water works. Update drawings where applicable.
- (ii) An estimate of the existing and the maximum proposed Population Equivalent (p.e.) contribution from (1) domestic, (2) commercial and (3) trade effluent sources.
- (iii) Clarification whether leachate and/or industrial sludges are treated in the wastewater treatment plant (WWTP). If so provide details of (1) the transfer and storage arrangements, (2) the location in the WWTP where the leachate/industrial sludge residues are introduced and (3) the quantity (volume and p.e), frequency and rate of the addition to the WWTP.
- (iv) Summary details of all industrial discharges permitted under an IPPC, Waste or single media licence, for treatment in the WWTP and of any other wastewaters or wastes accepted at the WWTP for treatment.
- (v) Identify all possible discharge sources to the waste water works that may contain mercury.



Existing Environment

- (f) Provide a further description of the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. The response should include:
 - (i) A copy of the most recent water quality management and/or catchment plan in place for the receiving water body. Provide an evaluation of the discharge in relation to the objectives of the water quality management plan and catchment plan, as applicable.
 - (ii) The number of dilutions available in the receiving water body.

Laboratory Monitoring and Analysis

- (g) Provide additional information in relation to monitoring, sampling and analysis. The response should include:
 - (i) Clarify the laboratory and the method used for analysis of mercury and its compounds.
 - (ii) Clarify if primary discharge samples are collected with a composite sampler, and if so clarify if this is carried out on a time or flow proportional basis.
 - (iii) Clarify the sampling arrangements for the influent waste water to the WWTP and provide details of the proposal and timescale for the provision of composite sampling and continuous flow monitoring, as applicable.
 - (iv) Provide details of the proposal and timescale for continuous flow monitoring on the discharges from the waste water works, as applicable.

Operational Information

- (i) Reassess the details submitted in the application to ensure that it fully describes the existing or proposed measures, including emergency procedures, to prevent unintended waste water discharges and to minimise the impact on the environment of any such discharges. The response should include:
 - (i) Clarification as to whether the stormwater/emergency overflow associated with the WWTP joins the primary discharge upstream or downstream of the sampling point. Provide a diagram of the flow and monitoring arrangement. If applicable, provide a proposal and timeframe for the monitoring of the primary discharge prior to mixing with stormwater and/or emergency overflow.
 - (ii) Clarification in relation to the flow monitoring arrangements and include the location at which the flow is measured.
 - (iii) Information in relation to Sections E.1 and E.2 of the Waste Water Discharge Licence Application Form.
 - (iv) Information on all of the storm water overflows that may also act as emergency overflow points. Describe the events that may lead to an emergency overflow at each location.
 - (v) Clarification as to whether the emergency overflow from any pumping stations has been known to activate in the last 12 months. If so, identify each pumping station and provide the reason for the activation and details of the frequency, duration and discharge volume (or estimate), where available.
 - (vi) Clarification regarding the arrangements for obtaining a standby or mobile generator for use at WWTP/pumping stations, as applicable.

- (vii) Clarification as to whether the operator is alerted of a failure of the WWTP inlet pumping station pump and/or other pumping stations. Provide details of the measures taken during a power failure event.
- (viii) Provide a copy of the preliminary assessment report into the options available for the upgrading of the current WWTP, where available.
- (ix) Provide details of the proposed sea outfall, approximate timeframe for this proposal and complete all relevant sections of the application in relation to this revised discharge location.
- (x) An assessment of the identified storm water overflows having regard to the requirements of the DoEHLG guidance.

Assessment of Impacts of Waste Water Discharges on Receiving Waters

- (k) (i) Submit details of all discharges from the Castlemartyr agglomeration via the following web based link: http://78.137.160.73/epa_wwd_licensing/.
- (ii) Provide a comparison of the predicted receiving water concentrations (based on the waste water treatment plant discharging at the maximum average discharge concentration) with the values included in the European Communities Environmental Objectives (Surface Waters) Regulations, 2009. S.I. No. 272/2009.

Further Works

- (m) Provide further details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such works. The response should include:
 - (i) Clarification of the scope of the proposed works to be carried out in the Castlymartyr agglomeration under the 2007 - 2009 Water Services Investment Programme funding (€1,200,000) and provide an update on these proposed works; including the proposed start date and completion date of the various works to be carried out, as applicable.
 - (ii) Provide details of the proposed maximum total phosphorus, ortho-phosphate and total nitrogen discharge concentrations from the upgraded wastewater treatment plant when operational. Identify any proposed measures to be implemented to assist in the achievement of the requirements under the European Communities Environmental Objectives (Surface Waters) Regulations, 2009. S.I. No. 272/2009. and to meet the proposed desirable nitrate levels, where applicable.
 - (iii) Details of the programme of improvements to ensure that discharges other than the primary and secondary discharges comply with the DoEHLG guidance on Storm Water Overflows. Include the proposed timeframe for compliance with the DoEHLG guidance.

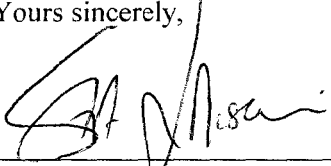
Your reply to this notice should include a revised non-technical summary that reflects the information you supply in compliance with the notice, insofar as that information impinges on the non-technical summary.

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 **six** weeks of the date of this notice, i.e. by **5th October 2009**. 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 **D0134-01**. 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 black ink, appearing to read 'Stuart Huskisson', written over a horizontal line.

Stuart Huskisson

Inspector

Office of Climate, Licensing & Resource Use