

Environmental Licensing Programme
Office of Environmental Sustainability
Environmental Protection Agency
PO Box 3000
Johnstown Castle Estate
Wexford

29/05/2020

IW ref: LT0487

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Re: Youghal Waste Water Discharge Licence Application D0139-02

Dear Inspector,

In response to the Regulation 18(3)(b) request for information notice dated 30 April 2020, please see below relevant information;

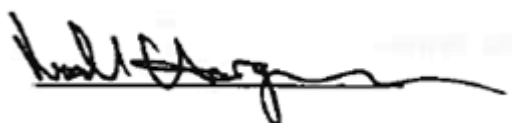
- **Provide an up to date impact assessment of existing or proposed waste water discharges to the receiving environment (including a modelling report). Apply a 2D depth-averaged hydrodynamic flow model and a dispersion model to simulate tidal circulations, to provide flow patterns and to track particles, or equivalent. Include details of the receiving environment, protected areas and details of the measures required to achieve the relevant environmental objectives and standards established for the receiving waters and the current River Basin District Management Plan priorities.**
- **Submit a Natura Impact Statement, as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations 2011 as amended.**

Although a 2D model was requested by the EPA and also anticipated by Irish Water, unfortunately it has not been possible to calibrate a 2D model to meet the required standard. Additional marine survey data has shown transient stratification features which require a more complex model to be built to inform the Youghal Water Quality Impact Assessment.

To ensure that impacts are appropriately assessed, Irish Water is now developing a more extensive and detailed 3D model to accurately represent these marine conditions at Youghal and allow an appropriate water quality impact assessment to be carried out. A 3D model is more complex to develop and as such there are associated delays. An up to date impact assessment of existing or proposed waste water discharges to the receiving environment (including a modelling report) will be submitted along with the Nature Impact Statement by October 16th 2020.

Irish Water has had regard to *Regulation 18(3)(b) of the Waste Water Discharge (Authorisation) Regulations 2007, as amended* when compiling this response to the Request for Further Information.

Yours sincerely,



Niall Horgan

Environmental Regulation

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