

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

Uisce Éireann
 Bosca OP 6000
 Baile Átha Cliath 1
 Éire

Irish Water
 PO Box 6000
 Dublin 1
 Ireland

T: +353 1 89 25000
 F: +353 1 89 25001
 www.water.ie

14th May 2018

IW-ER-LT0436

Dear Ms French,

Re: Durrus, Waste Water Discharge Licence Reg. No. D00545-01

In response to the Regulation 18(3)(b)-1 request for information notice dated 27th April 2018, please see below for relevant information.

Provide an updated drawing/ map of the agglomeration served by the wastewater works showing the boundary clearly marked by a continuous red line.

An updated map for the Durrus agglomeration has been prepared and is included in Appendix 1 of this document (Agglomeration Boundary Durrus Rev 1).

Confirm the classification of the receiving water into which the primary discharge point discharges (i.e. Freshwater or Transitional).

Irish Water can confirm that the receiving waterbody (Four Mile River Estuary) is transitional in nature as reported within the licence application. A review of the conductivity and equivalent salinity relative to the primary discharge location has been undertaken, details of which have are summarised below:

Distance from Primary Discharge (approx.)	Direction	Conductivity	Equivalent PSU
800m	Upstream	9,400	6
100m	Downstream	45,500	33

Based on the table above, the conductivity at the primary discharge point has been estimated as 40,000 which is equivalent to 28.6 PSU. Upon review of the Agency's coastal monitoring data, a waterbody with this level of salinity is commonly classified as transitional. The resulting target median ortho-phosphate limit would therefore be 0.053mg/l.

Please find enclosed the following items;

- Appendix 1 – Revised Agglomeration Boundary

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

Best Regards,



Niall Horgan
Wastewater Compliance Lead

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Appendix 1. Revised Agglomeration Boundary

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Legend

 Waste Water Treatment Plant

 MW Agglomeration Boundary

0 20 40 80
Meters

Coordinate System: TMS Irish Grid
Projection: Transverse Mercator

Scale: 1:3,672 @ A3

Revision No.: 1

Attachment No.: B.1

Drawn By: L.Redmond

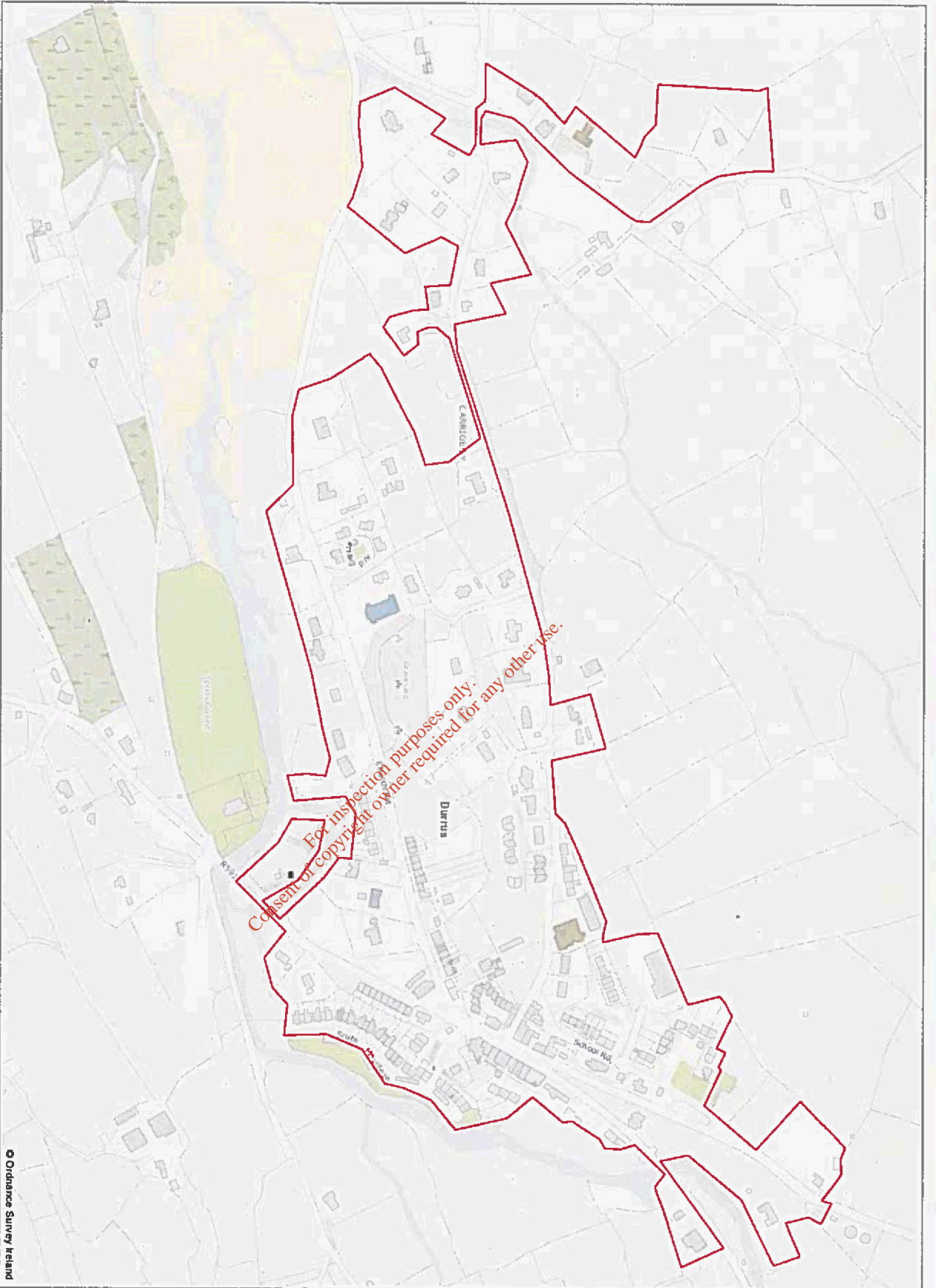
Checked By: A.Corrigan

Approved By: A.Corrigan

Drawn Date: 01/06/2016

Checked Date: 01/06/2016

Approved Date: 01/05/2016



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Agglomeration Boundary

Durrus



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