

# Comhairle Contae Chorcaí Cork County Council

Annabella,  
Mala,  
Co. Chorcaí.  
Fón: (022) 21123 • Faics: (022) 21983  
Suíomh Gréasáin: www.corkcoco.ie  
Annabella,  
Mallow,  
Co. Cork.  
Tel: (022) 21123 • Fax: (022)21983  
Web: www.corkcoco.ie



Environmental Licensing Programme,  
Office of Climate, Licensing & Recourse Use,  
Environmental Protection Agency,  
Headquarters, P.O. Box 3000,  
Johnstown Castle Estate,  
Co. Wexford.

**For Attention of: Mr Simon Hussey**

23<sup>rd</sup> April, 2013

**Re: Licensing Action - Reg 18(3)(b) Notice Sent - 3 for Clondulane  
Licence (D0445-01)**

A Chara,

I refer to correspondence issued on 17/04/2013 in relation to the above. The following addresses the query which was raised.

## REGULATION 16 COMPLIANCE REQUIREMENTS

**Question** *Provide a revised drawing clearly detailing the boundary of the agglomeration to which this application relates. Please note that the agglomeration boundary shall include all areas serviced by the sewer network including the primary discharge location. All areas of the agglomeration shall be within the agglomeration boundary.*

**Response** Revised drawing detailing the boundary of the agglomeration has been prepared and is attached to this letter. (Drawing No. B1 – Map 4, Agglomeration Boundary, Revision A) The revised agglomeration boundary includes all areas of the agglomeration and the primary discharge location.

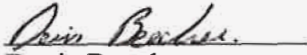
**Question** *Confirm whether the 2 pump stations referenced in the Non-Technical Summary (serving small clusters of houses) are under the control of Cork County Council and form part of the Clondulane Waste Water Works.*

**Response** There is a single Wastewater Pumping Station only located within the agglomeration of Clondulane. This Pumping Station serves a private housing development and is not currently in the charge of Cork County Council.

A revised Non-Technical Summary has been prepared to reflect the information supplied above and is attached to this letter.  
See also attached, Revised Drawing Schedule for WWDL Application D0445-01.



Is mise le meas,



Denis Beecher.

Executive Engineer.

Waste Water Pumping & Treatment Zone 4,

WATER SERVICES DIRECTORATE

Direct Tel: 022-21123

Email: [denis.beecher@corkcoco.ie](mailto:denis.beecher@corkcoco.ie)

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## SECTION A : NON-TECHNICAL SUMMARY

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Clondulane Village is located on the L1533, circa 4.5 km East of Fermoy Town. The village is well developed from the point of public services such as a primary school and amenities.

The waste water from the Clondulane agglomeration is currently treated by a package treatment plant prior to being discharged to Careysville Stream and the River Blackwater.

### **The Waste Water Works and the Activities Carried Out Therein;**

Clondulane Wastewater Treatment Plant (WWTP) was constructed in 2007 on the site of a pre-existing WWTP which had previously served the village.

The main elements of the WWTP are;

1. Inlet Works – Automatic Screen, Forward Feed Pump Sump.
2. Secondary Treatment – Aeration Tank, Clarifier.
3. Discharge to Careysville Stream – Outlet Flume, Discharge Pipework.

The wastewater from the village is collected in a partially combined foul and storm drainage network and gravitates to the WWTP.

There is a single Foul Pumping Station located on the network within the agglomeration serving a private housing development. The Pumping Station is operated privately and is not in the charge of Cork County Council.

Clondulane WWTP is operated by the staff of Cork County Council, whose duties also involve the maintenance of a number of other small WWTP's in the area.

### **The Sources of Emissions From the Works;**

The pollution load from the Clondulane agglomeration arises from the following areas;

- Domestic Population
- Commercial Premises
- School and Creches
- Infiltration

The sewage from all commercial premises is collected via the public sewer and treated in conjunction with the domestic waste at the WWTP. There are no industrial waste streams discharging into the sewerage network.

The main source of emissions from the works is via a 300 mm open pipe outfall to the Careysville Stream.

### **The Nature and Quantities of Foreseeable Emissions form the Waste Water Works into the Receiving Aqueous Environment as well as Identification of Significant Effects of the Emissions on the Environment;**

The WWTP treats only municipal wastewater from Clondulane Village and its environs via the sewage collection system which is discharged to the Careysville Stream. The final effluent is treated to a 25/35 BOD/SS standard or better prior to discharge. Normal Discharges from the WWTP are of the order of 30-50 m<sup>3</sup>/day.

During power blackouts, the waste stream will back up the pump sump and will overflow to storm holding tank. In the event of a prolonged outage, a baffled outlet from the storm tank discharges into the effluent stream prior to the outlet flume. The number of occasions when this happens and the nature and quantities involved are not known.

**The Proposed Technology and Other Techniques for Preventing or, where this is not possible, reducing Emissions from the Waste Water Works;**

The WWTP consists of the following elements;

1. Inlet Works – Automatic Screen, Forward Feed Pump Sump.
2. Secondary Treatment – Aeration Tank, Clarifier.
3. Discharge to Careysville Stream – Outlet Flume, Discharge Pipework.

The WWTP does not have a back-up power generation system.

**Further Measures Planned to Comply with the General Principle of the Basic Obligations of the Operator, i.e. that no Significant Pollution is caused;**

There are no planned works for the WWTP.

**Measures Planned to Monitor Emissions into the Environment;**

The Cork County Council, Environmental Laboratory carries out sampling of the influent and effluent in accordance with the requirements of the Urban Wastewater Regulations. A composite sampler is located on the outlet from the WWTP.

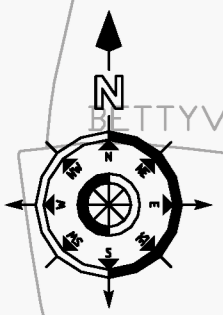
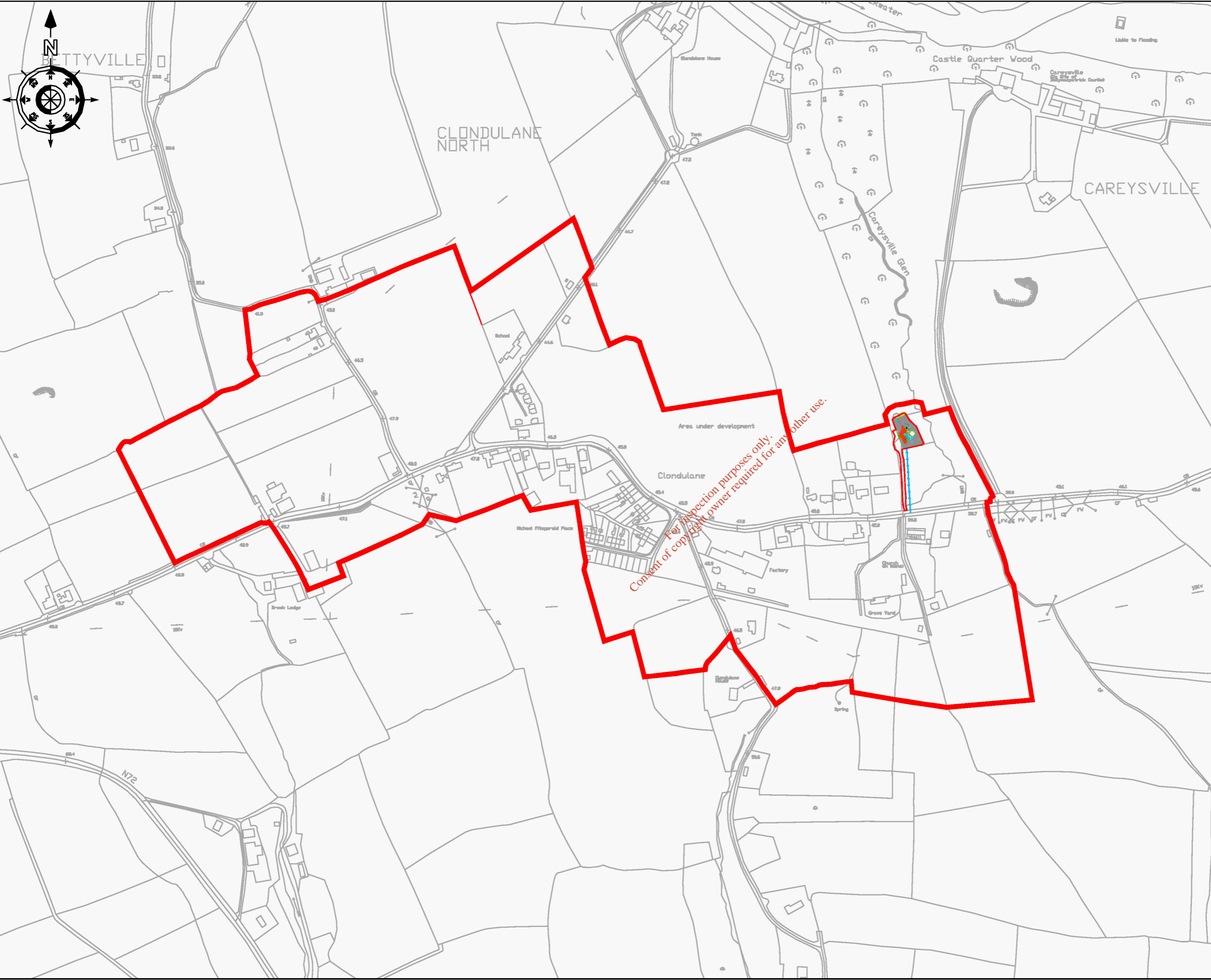
The EU Water Framework Directive Monitoring Programme is to be fully operational by the year 2012. This monitoring programme was prepared by the EPA to meet the requirements of the EU Water Framework Directive (2000/60/EC) and National Regulations implementing the Water Framework Directive (S.I. No. 722 of 2003) and National Regulations implementing the Nitrates Directive (S.I. No. 788 of 2005).

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Revised Drawing Schedule, Clondulane WWDL, D0445-01.

<b>Drawing No.</b>	<b>Drawing Title.</b>	<b>Revision.</b>
A1 – Map 1	Location Map Scale 1:50,000 Attachment A1 – Map 1	-
A1 – Map 2	Site Locations of WWTP & Pumping Station Attachment A1 – Map 2	-
A1 – Map 3	Waste Water Treatment Plant Site Layout Attachment A1 – Map 3	-
B1 – Map 4	Agglomeration Boundary Attachment B1 – Map 4	A
B2 – Map 5	Wastewater Treatment Plant Site Layout Attachment B2 – Map 5	-
B3 – Map 6	Location of Primary Discharge Point SW01 – CLON Attachment B3 – Map 6	-
B3 – Map 7	Locations of Sampling Points Attachment B3 – Map 7	-
B8 – Map 8	Location of Site Notice Attachment B8 – Map 8	-
C1 – Map 9	Wastewater Treatment Plant Site Layout Attachment C1 – Map 9	-
C1- Drawing 1	Schematic showing Existing Treatment Plant Process Attachment C1 – Drawing 1	-

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**NOTES**

1. Dimensions are not to be scaled from drawing. For any discrepancies found consult with the design office.
2. This drawing is to be read in conjunction with the Specification.
3. This drawing is to be read in conjunction with all other contract drawings.

No.	Date	Drawn	Survey	Checked	Revision Description
A	04/13	DL	DL	BOS	Change to agglomeration Boundary

**Cork County Council,  
Northern Division.**



**N. O'KEEFE, B.E.,  
COUNTY ENGINEER,  
COUNTY HALL,  
CORK.**

**Job Title:**  
Clondulane & Environs  
Waste Water Discharge  
Licence Application

**Drawing Title:**  
Agglomeration Boundary  
Attachment B1 - Map 4

<b>Scales:</b> 1:5,000 @ A3	<b>Surveyed by:</b> D.L.	<b>Drawn by:</b> D.L.
<b>Designed by:</b> E.M.	<b>Checked by:</b> F.C.	<b>Date:</b> June 2009
<b>Drawing number:</b> B1 - Map 4		<b>Rev:</b> A