

Mr. Peter Webster  
Regional Chemist  
EPA Regional Inspectorate  
Inniscarra  
Cork  
Co. Cork

18 February 2010

14/04/2010 Our Ref: **D0295-01/MON**

Agglomeration Name : Schull

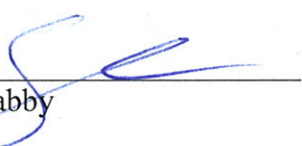
Dear Peter

Please note that the Agency has granted a Waste Water licence in respect of the agglomeration described in the table below.

All relevant information regarding this agglomeration is included in this table. Please carry out monitoring of this agglomeration as outlined.

If you have any queries regarding this monitoring request please contact Gavin Clabby and if you have any queries in regarding this agglomeration please contact the relevant Office of Environmental Enforcement Inspectors (Water Enforcement) Mr Brendan Wall or John Feehan.

Yours sincerely,

  
Gavin Clabby  
Inspector  
Environmental Licensing Programme  
Office of Climate, Licensing & Resource Use

C.C. Mr Brendan Wall and John Feehan, Office of Environmental Enforcement

**Waste Water Licence Environmental Monitoring –  
Regional Laboratory Information Form**

**Details of Licensee**

<b>Name of Licensee</b>	Cork County Council
<b>Licence Number</b>	D0295-01
<b>Name of Agglomeration</b>	Schull
<b>Address of Agglomeration</b>	Schull, County Cork
<b>National Grid Reference of Primary Discharge</b>	093171E 031557N (Existing) 092558E 029466N
<b>Contact Person for Licensee</b>	Niall O'Mahony*/ Ian O'Mahony
<b>Position of Contact Person</b>	*Executive Engineer, Water Services, Cork County Council
<b>Phone Number of Contact Person</b>	021 4276891
<b>Contact Person on Site/ with Site Access</b>	Billy Horgan
<b>Phone number of Agglomeration and/ or Phone Number of Contact Person with Site Access (if different)</b>	028 28541
<b>Site Manned</b>	No (septic tank, WWTP under construction)
<b>Frequency of EPA Laboratory Compliance Monitoring (in accordance with charges)</b>	Sampling twice yearly (Only upon completion of WWTP – March 2012)
<b>Size of Agglomeration as per Schedule 2 of the Waste Water Discharge (Authorisation) Regulations, 2007</b>	1,001 to 2,000 PE
<b>Waste Water Treatment Plant Present and Type</b>	Primary (Septic tank), Proposed Secondary Treatment (SBR) Plant – Completion date March 2012
<b>If no WWTP present include the Expected date of commissioning and clarify when sampling should commence if not from grant of licence</b>	Commissioning date 31 <sup>st</sup> March 2012, Sampling should begin on this date. (ELV's to apply from this date or upon completion of WWTP, whichever is sooner.)

## **Location Plan**

### Directions to the agglomeration

The agglomeration is located at Meenvane, Schull Harbour, Schull County Cork. See map Attached

Directions: Schull is on the Mizen Peninsula, 24km west of Skibbereen. Take the N71 from Skibbereen to Ballydehob and from there, take the R592 to Schull. Approaching Schull town centre, there is left off the street down towards the shoreline. This is the site of the current septic tank, as well as the construction site for the proposed new WWTP.

### Any hazards, safety information relevant to agglomeration

New secondary treatment plant under construction. (Safe Pass may be required)  
Although final discharge for this proposed plant will be moved 2km south to Schull Point, more than likely discharge monitoring will remain at the WWTP site.

Again, no discharge monitoring will be required until March 31<sup>st</sup>, the proposed completion date, and when licence ELV's begin to apply. OEA should consult with OEE/OCLR if the plant is not complete by this date.

**Description of Monitoring Required: Monitoring Points and Summary of Parameters**

***Schedule A.1 Primary Waste Water Discharge***

**Primary Discharge Point Code:** SW01p Schull  
**Name of Receiving Waters:** Long Island Channel  
**Location of Discharge:** 092559E, 029465N  
**Location of monitoring Point:** To be agreed with the Agency

<b>Parameter</b>	<b>Emission Limit Value<sup>Note 1</sup></b>
<b>pH</b>	6.0 - 9.0
	<b>mg/l</b>
<b>CBOD</b>	25
<b>COD</b>	125
<b>Suspended Solids</b>	35
<b>Dissolved Inorganic Nitrogen</b>	35
<b>Total Oxidised Nitrogen (as N)</b>	35
<b>Ammonia ( as N)</b>	10

Note 1: Emission Limit Values only apply after March 31<sup>st</sup> 2012, or upon completion of the proposed WWTP, whichever is sooner.

## B.1 Monitoring of Primary Waste Water Discharge <sup>Note 1</sup>

Primary Discharge Point Code: SW01p Schull

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous <sup>Note 2</sup>	On-line flow meter with recorder
pH	Daily	pH electrode/meter and recorder
Carbonaceous Biochemical Oxygen Demand	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Chemical Oxygen Demand	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Suspended Solids	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Dissolved Inorganic Nitrogen	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Total Oxidised Nitrogen	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Ammonia	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Total Phosphorus (as P)	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Orthophosphate (as P)	Monthly <sup>Note 2,3, 4</sup>	Standard Method
Faecal Coliforms	Biannual	Standard Method
<i>Escherichia coli</i>	Biannual	Standard Method
<i>Intestinal enterococci</i>	Biannual	Standard Method
Visual Inspection	Daily	Sample and examine for colour and odour

Note 1: The monitoring requirements shall only apply upon completion the proposed WWTP and ancillary works.

Note 2: Total effluent volume discharged over the 24-hour period in which the composite sample is collected shall be recorded.

Note 3: The licensee shall ensure that a composite sampler is installed at the proposed WWTP. All samples thereafter shall be collected on a 24-hour flow proportional composite sampling basis.

Note 4: Monitoring may be reduced to quarterly, providing results from WWTP's first year of operation are compliant, or with agreement by the Agency.

**Any further relevant information:**

The Schull Agglomeration is approximately 1 (one) km<sup>2</sup> in size of which approximately 0.6 km<sup>2</sup> constitutes the urban development of Schull town. Schull is a coastal harbour town on the Mizen Peninsula, about 24 km west of Skibbereen. It has a permanent population of approximately 600, which increases at least threefold during the summer.

The Department of the Environment, Heritage and Local Government (DoEHLG), under the Water Services Investment Programme 2007-2009, approved the upgrading of the Schull Sewerage Scheme. The original collection system has been upgraded (with commissioning at the end of 2009). As part of the upgrade the WSA installed a new dedicated foul sewer pump station at Ballydehob Road. The new system has a reduced combined sewer component. Any new sections of sewer that have been added to the network are dedicated foul sewers with separate storm water drainage. The existing combined sewers have been upgraded or remediated

The existing treatment plant was built in the mid 1960's and is a primary settling tank (or septic tank). A new wastewater treatment plant (WWTP) is proposed under a design, build and operate (DBO) contract. The applicant has stated that the new WWTP will provide preliminary and secondary treatment, or their equivalent, to achieve a final effluent in compliance with Urban Waste Water Treatment (UWWT) Regulations, 2001, as amended. Tenders for the DBO contract have been assessed by the WSA and the selected proposal is currently with the DoEHLG for approval. The proposed construction completion date is set for June 2011.

<b><u>Checklist</u></b>	
Licensing Inspector Name	Gavin Clabby
Phone No	021 4860821 (6821)
Date	14/04/2010
List Drawings/Plans attached	IR appendix
Name of Regional Co-ordinator OEE	Brendan Wall
Copy of this letter sent to Senior Inspector Water Enforcement (OEE)	Yes
Copy of Waste Water Discharge Licence Attached	No

## Appendix

Map 1: Schull Harbour and Roaringwater Bay

