

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

08th June 2010

Our Ref: **D0296-01/MON**

Agglomeration Name : Baltimore


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

Name of Licensee	Cork County Council
Licence Number	D0296-01
Name of Agglomeration	Baltimore
Address of Agglomeration	Baltimore, County Cork
National Grid Reference of Primary Discharge	104654E 026639N (Existing) 104623E 026951N (Proposed)
Contact Person for Licensee	Niall O'Mahony*/ Ian O'Mahony
Position of Contact Person	*Executive Engineer, Water Services, Cork County Council
Phone Number of Contact Person	021 4276891
Contact Person on Site/ with Site Access	James Dwyer
Phone number of Agglomeration and/ or Phone Number of Contact Person with Site Access (if different)	028 21299
Site Manned	No (septic tank, WWTP proposed)
Frequency of EPA Laboratory Compliance Monitoring (in accordance with charges)	Sampling twice yearly (Only upon completion of WWTP – March 2012)
Size of Agglomeration as per Schedule 2 of the Waste Water Discharge (Authorisation) Regulations, 2007	1,001 to 2,000 PE
Waste Water Treatment Plant Present and Type	Primary (Septic tank), Proposed Secondary Treatment (AS) Plant – Completion date March 2012
If no WWTP present include the Expected date of commissioning and clarify when sampling should commence if not from grant of licence	Commissioning date 31 st 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 Baltimore, West Cork, 11km southwest of Skibbereen. See map attached.

Directions: From Cork take the N71 (Bandon Road) to Skibbereen. From Skibbereen, take the R595 to Baltimore. In Baltimore, follow directions for Pier/Harbour.

Any hazards, safety information relevant to agglomeration

New secondary treatment plant proposed for March 2012. (Safe Pass may be required during construction phase, check status before making journey)

Again, no discharge monitoring will be required until March 31st 2012, 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

A.1 Primary Waste Water Discharge

Primary Discharge Point Code:	SW01p Balt
Name of Receiving Waters:	Baltimore Harbour
Location of Discharge:	104623E, 026951N
Location of monitoring Point:	To be agreed with the Agency

Parameter	Emission Limit Value ^{Note 1}
pH	6.0 - 9.0
	mg/l
CBOD	25
COD	125
Suspended Solids	35
Orthophosphate (as P)	10
Dissolved Inorganic Nitrogen (as N)	35
Total Oxidised Nitrogen	35
Ammonia	35

Note 1: Emission Limit Values shall apply from March 31st 2012, or upon completion of the proposed WWTP, whichever is sooner.

B.1 Monitoring of Primary Waste Water Discharge ^{Note 1}

Primary Discharge Point Code: SW01p Balt

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

Note 1: The monitoring requirements shall apply from 31st March 2012 or upon completion of the proposed WWTP and ancillary works, whichever is the sooner.

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.

As a minimum, the parameters required to be monitored by the Agency are those for which ELVs have been specified in the licence

Any further relevant information:

The Baltimore Agglomeration is approximately 1 (one) km² in size of which approximately 0.7 km² constitutes the urban development of Baltimore town. Baltimore is a coastal harbour town, about 11 km southwest of Skibbereen. Baltimore Harbour is comprised of approximately 2 km² of sheltered waters at the mouth Church Strand Bay. It is protected from the exposed coastal waters of Roaringwater Bay by Sherkin Island to the west, and Spanish Island and Ringagory Island to the north.

Baltimore has a permanent population of approximately 400, which increases at least fourfold during the summer.

This licence application was made by Cork County Council (Western Division) which is the Water Services Authority (WSA) for the Baltimore agglomeration.

The agglomeration's collection system is partially combined (i.e. some sections are used to convey surface water as well as wastewater), and has both pumped and gravity systems within the network. There are two pumping stations in the agglomeration. The first pump station at the Pier (P1), serves the public toilets and the Baltimore Sailing centre. This pump station discharges to the main gravity sewer in the vicinity of the town centre. The foul flow from a number of houses on the western side of the network drains by gravity to pump station (P2) located at the Cove. The sewage is then pumped from this station to the main gravity collection system, which subsequently discharges, via a primary treatment plant, to the harbour.

A new wastewater treatment plant is proposed under a design, build and operate (DBO) contract. It will be located on a site to the north of Baltimore village, adjacent to the lifeboat house. The proposal specifies an activated sludge process, constructed in a modular layout, with disinfection of the effluent to be included as part of the treatment process.

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<u>Checklist</u>	
Licensing Inspector Name	Gavin Clabby
Phone No	021 4860821 (ext 6821)
Date	18/05/10
List Drawings/Plans attached	IR appendix (Inspector's own)
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: Baltimore Harbour and Roaringwater Bay



Baltimore primary discharge and SWO (SW01 and SW02) ●

Proposed Baltimore primary discharge (SW01p) ●

Current WSA Monitoring Point (SW01d) ◆

Shellfish Regulations Monitoring Point ◆

EPA Monitoring Point IN070 ◆

Agglomeration Boundary —

Site of Existing Waste Water Treatment Plant ○

Site of Proposed Waste Water Treatment Plant ●

Shellfish Water ■

Ebb Tide (~SW) ←

Flood Tide (~NE) →

Map 2: Baltimore Harbour

