

Comhairle Contae Chorcaí
Cork County Council

Water Services,
Courthouse,
Skibbereen,
Co. Cork.

Tel No: (028)21299

Fax No: (028)21995



Web: <http://www.corkeoco.com/>

Marie O'Connor,
Senior Inspector,
Office of Climate, Licensing & Resource Use,
Environmental Protection Agency,
Inniscarra,
Co. Cork.

20th December 2010

Re: **Waste Water Discharge Licence Application – D0166-01 – Skibbereen**

Dear Ms. O'Connor,

Further to the meeting of 12th Oct 2010 at this office with your colleague Gavin Clabby, please note the following for your information.

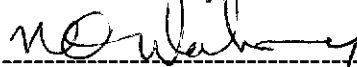
1. Current Status of Wastewater Treatment Plant and Collection System

The collection network for Skibbereen is complete since Dec 2008. All wastewater is currently collected and pumped to a stormwater holding tank which is currently acting as a septic tank and discharges to an adjacent percolation area. Skibbereen is 1 of 4 WasteWater Treatment Plant's included in the West Cork Grouped DBO Schemes which is included in the WSIP Contracts to Start 2010-2012. The contract for this project is due to be signed in Jan 2011. The construction of the plant is due to start in Feb 2011, with an estimated completion date of July 2012.

2. Environmental Quality Objectives Regulations (S.I. No. 272 of 2009)

According to the SWRBD The Ilen Estuary into which the treatment plant discharges has a "Good status" and the risk assessment overall value of 1b "probably at risk". The table attached identifies the Criteria for calculating surface water ecological status and ecological potential and compares the results of the upstream and downstream water samples taken in the receiving waters.

Yours sincerely,


Niall O'Mahony,
Senior Engineer,
Water Services.

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Environmental Quality Objectives Regulations (S.I. No. 272 of 2009)

Skibbereen D0166-01

UPSTREAM COMPARISON TABLE

<i>Physico-chemical conditions</i>	<i>Ecological quality ratio/standard</i>	<i>2008 upstream ambient sampling results</i>
	<i>Good boundary</i>	
	<i>Transitional</i>	
Oxygenation conditions Table 9	Transitional water body	Ambient sampling results
Biochemical Oxygen Demand (BOD) (mgO ₂ /l)	≤4.0 mg/l (95%ile)	2.4mg/L (mean)
Nutrient conditions Table 9	River Water body	Ambient sampling results
Molybdate Reactive Phosphorus (MRP) (mg P/l)	Good status 35psu pr ≤0.04 median	<0.05mg/L (mean)
Specific pollutants Table 10	Inland surface waters AA-EQSµg/l	Ambient sampling results
Phenol	8	-
Toluene	10	-
Xylene	10	-
Arsenic	25	-
Total Chromium	8.9	<0.02mg/l
Copper (depending on water hardness)	30	<0.02mg/l
Cyanide	10	-
Flouride	500	-
Zinc (depending on water hardness)	100	<0.02mg/l
Priority Substances Table 11	Inland surface waters AA-EQSµg/l	Ambient sampling results
Atrazine	0.6	-
Dichloromethane	20	-
Simazine	1	-
Lead and its compounds	7.2	<0.02mg/l
Nickel and its compounds	20	<0.02mg/l
Priority Hazardous Substances Table 12	Inland surface waters AA-EQSµg/l	Ambient sampling results
Cadmium and its compounds (depending on water hardness)	0.25	<0.02mg/l
Mercury and its compounds	0.05	-

Note the following:

The black results are within the EQR/S.
The results highlighted grey are at the limit of detection.

DOWNSTREAM COMPARISON TABLE

Physico-chemical conditions	Ecological quality ratio/standard	2008 downstream ambient sampling results
	Good boundary	
	Transitional	
Oxygenation conditions Table 9	Transitional water body	Ambient sampling results
Biochemical Oxygen Demand (BOD) (mgO ₂ /l)	≤4.0 mg/l (95%ile)	2.6mg/L (mean)
Nutrient conditions Table 9	River Water body	Ambient sampling results
Molybdate Reactive Phosphorus (MRP) (mg P/l)	Good status 35psu or ≤0.04 median	<0.05mg/L (mean)
Specific pollutants Table 10	Inland surface waters AA-EQS µg/l	Ambient sampling results
Phenol	8	-
Toluene	10	-
Xylene	10	-
Arsenic	25	-
Total Chromium	8.1	<0.02mg/l
Copper (depending on water hardness)	30	<0.02mg/l
Cyanide	10	-
Flouride	500	-
Zinc (depending on water hardness)	100	<0.02mg/l
Priority Substances Table 11	Inland surface waters AA-EQS µg/l	Ambient sampling results
Atrazine	0.6	-
Dichloromethane	20	-
Simazine	1	-
Lead and its compounds	7.2	<0.02mg/l
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Mercury and its compounds	0.05	-

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