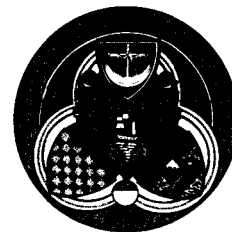


Comhairle Contae Chorcaí Cork County Council

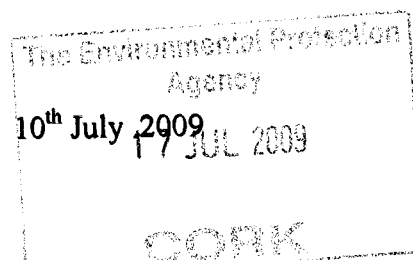
Administration Section
Wastewater Discharge Licence Section
Office of Climate, Licencing and Resource Use
Environmental Protection Agency
HQ PO Box 3000
Johnstown Castle Estate
County Wexford
Ireland

Environmental Directorate,
Inniscarra, Co. Cork.
Tel. No. (021) 4532700 • Fax No. (021) 4532727
Web: www.corkcoco.ie
An Stiúrthóireacht Comhshaoil,
Inis Cara, Co. Corcaigh.
Fón: (021) 4532700 • Faics: (021) 4532727
Suíomh Gréasáin: www.corkcoco.ie



Environmental Protection Agency Licencing
Received
16 JUL 2008
Initials _____

Subject :WWDA Register Number – D0471-01 Glengarriff



Dear Sir or Madam,

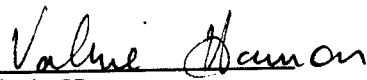
Cork County Council are submitting additional information in the form of a revised Attachment E4 in respect of the WWDA licence application D0471-01 for the Glengarriff agglomeration as the (TBT) Tributyl Tin result data was not available at the time that the application was submitted to the agency in June 2009.

The electronic copy is a true copy of the data attached to this letter..

Should you have any queries or clarification my contact details are supplied below

Phone no. 021-4532707
E mail valerie.hannon@corkcoco.ie

Yours Sincerely


Valerie Hannon,
A/Senior Executive Scientist
Environment Directorate

c.c. Water Services West, Cork County Council, Skibbereen, Co. Cork



Recycled

Attachment E4 (Revised) Glengarriff application Register number D0471-01

Revised Attachment E4 Glengarriff Inlet

Revised Attachment E4 Glengarriff Outlet

Revised Attachment E4 Glengarriff Ambient

Sample Date	14/5/2009		Sample Date	30/10/2008	13/11/2008	14/5/2009		Sample Date	14/5/2009		
Sample	Influent	Average	Sample	Effluent	Effluent	Effluent	Average	Sample	Coastal waters	Comments	Average
Sample Code	GT660		Sample Code	GS1184	GS1201	GT661		Sample Code	GT662		
Flow M ³ /Day	*		Flow M ³ /Day	*	*	*	*	Flow M ³ /Day	*		
pH	7.2	7.2	pH	*	*	7	7	pH	8.1		8.1
Temperature °C	*	*	Temperature °C	*	*	*	*	Temperature °C	*		*
Cond 20°C	376	376	Cond 20°C	*	*	520	520	Cond 20°C	33100		33100
SS mg/L	188	188	SS mg/L	60	12	51	41	SS mg/L	6		6
NH ₃ mg/L	19.1	19.1	NH ₃ mg/L	*	*	29.7	29.7	NH ₃ mg/L	0.4"		0.4"
BOD mg/L	116	116	BOD mg/L	214	14	144	124	BOD mg/L	2		2
COD mg/L	419	419	COD mg/L	427	80	329	278.66667	COD mg/L	21		21
TN mg/L	37.1	37.1	TN mg/L	*	*	51	51	TN mg/L	0.67		0.67
Nitrite mg/L	<0.10	<0.10	Nitrite mg/L	*	*	<0.10	<0.10	Nitrite mg/L	<0.10		<0.10
Nitrate mg/L	<0.50	<0.50	Nitrate mg/L	*	*	<0.50	<0.50	Nitrate mg/L	<0.50		<0.50
TP mg/L	3.95	3.95	TP mg/L	*	*	5.67	5.67	TP mg/L	<0.05		<0.05
O-PO4-P mg/L	2.67	2.67	O-PO4-P mg/L	*	*	3.54	3.54	O-PO4-P mg/L	<0.05		<0.05
SO4 mg/L	<30	<30	SO4 mg/L	*	*	<30	<30	SO4 mg/L	NO RESULT**	" saline interference	NO RESULT**
Phenols µg/L	<0.10	<0.10	Phenols µg/L	*	*	<0.10	<0.10	Phenols µg/L	<0.10		<0.10
Atrazine µg/L	<0.01	<0.01	Atrazine µg/L	*	*	<0.01	<0.01	Atrazine µg/L	<0.01		<0.01
Dichloromethane µg/L	<1	<1	Dichloromethane µg/L	*	*	<1	<1	Dichloromethane µg/L	<1		<1
Simazine µg/L	<0.01	<0.01	Simazine µg/L	*	*	<0.01	<0.01	Simazine µg/L	<0.01		<0.01
Toluene µg/L	<0.28	<0.28	Toluene µg/L	*	*	<0.28	<0.28	Toluene µg/L	<0.28		<0.28
Tributyltin µg/L	<0.25*	<0.25*	Tributyltin µg/L	*	*	<0.05*	<0.05*	Tributyltin µg/L	<0.02		<0.02
Xylenes µg/L	<1	<1	Xylenes µg/L	*	*	<1	<1	Xylenes µg/L	<1		<1
Arsenic µg/L	<0.96	<0.96	Arsenic µg/L	*	*	<0.96	<0.96	Arsenic µg/L	1.6		1.6
Chromium ug/L	<20	<20	Chromium ug/L	*	*	<20	<20	Chromium ug/L	<20		<20
Copper ug/L	60	60	Copper ug/L	*	*	32	32	Copper ug/L	<20		<20
Cyanide µg/L	<5	<5	Cyanide µg/L	*	*	<5	<5	Cyanide µg/L	<5		<5
Fluoride µg/L	<100	<100	Fluoride µg/L	*	*	<100	<100	Fluoride µg/L*	481	" saline interference	481
Lead ug/L	<20	<20	Lead ug/L	*	*	<20	<20	Lead ug/L	<20		<20
Nickel ug/L	<20	<20	Nickel ug/L	*	*	<20	<20	Nickel ug/L	<20		<20
Zinc ug/L	66	66	Zinc ug/L	*	*	36	36	Zinc ug/L	<20		<20
Boron ug/L	<20	<20	Boron ug/L	*	*	<20	<20	Boron ug/L	2673.7		2673.7
Cadmium ug/L	<20	<20	Cadmium ug/L	*	*	<20	<20	Cadmium ug/L	<20		<20
Mercury µg/L	<0.2	<0.2	Mercury µg/L	*	*	<0.2	<0.2	Mercury µg/L	<0.2		<0.2
Selenium µg/L	3.6	3.6	Selenium µg/L	*	*	1.8	1.8	Selenium µg/L	934.7	" saline interference	934.7
Barium ug/L	24	24	Barium ug/L	*	*	<20	<20	Barium ug/L	<20		<20

TBT Detection limit raised due to complications with sample matrix prior to analysis

TBT Detection limit raised due to complications with sample matrix prior to analysis

" saline interference

NO RESULT**
INTERFERENCE DUE TO SALINITY IN TEST