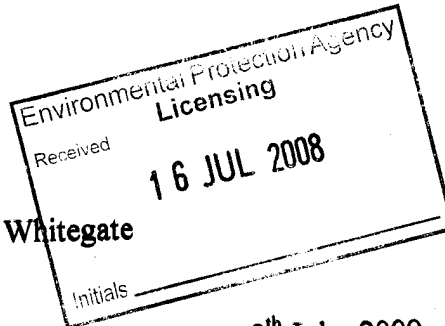
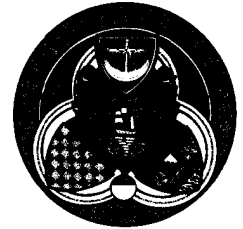


Comhairle Contae Chorcaí Cork County Council

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



Subject :WWDA Register Number – D0423-01 Whitegate

9th July 2009

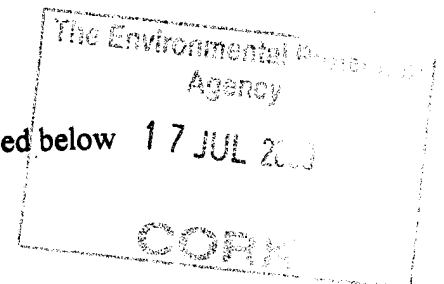
Dear Sir or Madam,

Cork County Council are submitting additional information in the form of a revised Attachment E4 in respect of the WWDA licence application D0423-01 for the Whitegate 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.

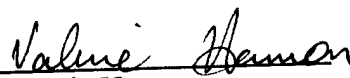
The electronic copy is a true copy of the data attached to this letter..

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 South, Cork County Council, Co. Hall ,Cork



Attachment E4 (Revised) Whitegate - Register Number D0423-01

Whitegate Location 1 combined secondary discharge at Farsid

Sample Date	14/5/2009
Sample	pipe discharge
Sample Code	GT674
Flow M ³ /Day	*
pH	8.0
Temperature °C	*
Cond 20 °C	673
SS mg/L	8
NH ₃ mg/L	2.6
BOD mg/L	6
COD mg/L	<21
TN mg/L	13.61
Nitrite mg/L	0.102
Nitrate mg/L	7.74
TP mg/L	0.46
O-PO4-P mg/L	0.36
SO4 mg/L	<30
Phenols µg/L	<0.10
Atrazine µg/L	<0.01
Dichloromethane µg/L	<1
Simazine µg/L	<0.01
Toluene µg/L	<0.28
Tributyltin µg/L	*
Xylenes µg/L	<1
Arsenic µg/L	<0.96
Chromium ug/L	<20
Copper ug/L	<20
Cyanide µg/L	<5
Fluoride µg/L	566
Lead ug/L	<20
Nickel ug/L	<20
Zinc ug/L	<20
Boron ug/L	2805
Cadmium ug/L	<20
Mercury µg/L	<0.2
Selenium µg/L	2.6
Barium ug/L	<20

* no results available

Whitegate (2) combined secondary discharge near Aghada Pier

Sample Date	14/5/2009	
Sample	Effluent	
Sample Code	GT675	
Flow M ³ /Day	*	
pH	7.1	
Temperature °C	*	
Cond 20 °C	16900	
SS mg/L	28	
NH ₃ mg/L	4.7	
BOD mg/L	44	
COD mg/L	110	
TN mg/L	12.74	
Nitrite mg/L	1.52	
Nitrate mg/L	2.16	
TP mg/L	2.57	
O-PO4-P mg/L	2.25	
SO4 mg/L	interference	no result available
Phenols µg/L	<0.1	
Atrazine µg/L	<0.01	
Dichloromethane	<1	
Simazine µg/L	<0.01	
Toluene µg/L	<0.28	
Tributyltin µg/L	*	
Xylenes µg/L	<1	
Arsenic µg/L	<0.96	
Chromium ug/L	<20	
Copper ug/L	<20	
Cyanide µg/L	<5	
Fluoride µg/L	527	
Lead ug/L	<20	
Nickel ug/L	<20	
Zinc ug/L	<20	
Boron ug/L	882	
Cadmium ug/L	<20	
Mercury µg/L	<0.2	
Selenium µg/L	30.5	
Barium ug/L	<20	

* no results available

Whitegate (3) Primary discharge

Sample Date	14/5/2009
Sample	Discharge
Sample Code	GT677
Flow M ³ /Day	*
pH	7.5
Temperature °C	*
Cond 20 °C	928
SS mg/L	437
NH ₃ mg/L	31.6
BOD mg/L	213
COD mg/L	213
TN mg/L	61.8
Nitrite mg/L	<0.10
Nitrate mg/L	<0.50
TP mg/L	5.43
O-PO4-P mg/L	3.88
SO4 mg/L	47.4
Phenols µg/L	<0.10
Atrazine µg/L	<0.01
Dichloromethane	<1
Simazine µg/L	<0.01
Toluene µg/L	<0.28
Tributyltin µg/L	<0.02
Xylenes µg/L	<1
Arsenic µg/L	<0.96
Chromium ug/L	<20
Copper ug/L	<20
Cyanide µg/L	5
Fluoride µg/L	468
Lead ug/L	<20
Nickel ug/L	<20
Zinc ug/L	<20
Boron ug/L	<20
Cadmium ug/L	<20
Mercury µg/L	<0.2
Selenium µg/L	12.6
Barium ug/L	<20

Whitegate Ambient location at Aghada Pier

Sample Date	14/5/2009	Comments
Sample	Coastal waters	
Sample Code	GT678	
Flow M ³ /Day	*	
pH	8.1	
Temperature °C	*	
Cond 20 °C	45800	
SS mg/L	32	
NH ₃ mg/L	0.6	saline interference
BOD mg/L	2	
COD mg/L	36	
TN mg/L	0.47	
Nitrite mg/L	<0.10	
Nitrate mg/L	<0.50	
TP mg/L	<0.05	
O-PO4-P mg/L	<0.05	
SO4 mg/L	interference	no result available
Phenols µg/L	<0.10	
Atrazine µg/L	<0.01	
Dichloromethane	<1	
Simazine µg/L	<0.01	
Toluene µg/L	<0.28	
Tributyltin µg/L	<0.02	
Xylenes µg/L	<1	
Arsenic µg/L	2.0	
Chromium ug/L	<20	
Copper ug/L	<20	
Cyanide µg/L	<5	
Fluoride µg/L	687	saline interference
Lead ug/L	<20	
Nickel ug/L	<20	
Zinc ug/L	<20	
Boron ug/L	<20	
Cadmium ug/L	<20	
Mercury µg/L	<0.2	
Selenium µg/L	8.8	
Barium ug/L	<20	