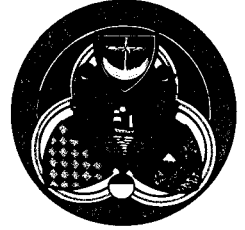


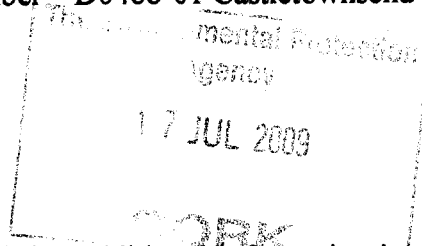
# Comhairle Contae Chorcaí Cork County Council

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](http://www.corkcoco.ie)  
An Stiúrthóireacht Comhshaoil,  
Inis Cara, Co. Corcaigh.  
Fón: (021) 4532700 • Faics: (021) 4532727  
Suíomh Gréasáin: [www.corkcoco.ie](http://www.corkcoco.ie)



Subject :WWDA Register Number – D0468-01 Castletownsend



10<sup>th</sup> July 2009

Dear Sir or Madam,

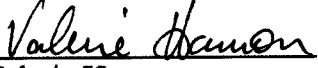
Cork County Council are submitting additional information in the form of a revised Attachment E4 in respect of the WWDA licence application D0468-01 for the Castletownsend agglomeration as the (TBT) Tributyl Tin result data was not available at the time that the application was submitted to the agency in June 2009.

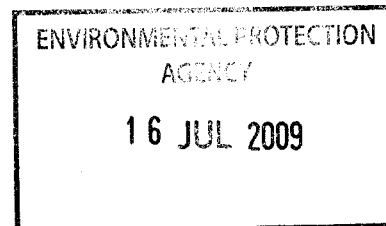
The electronic copy is a true copy of the data attached to this letter.

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

Phone no. 021-4532707  
E mail [valerie.hannon@corkcoco.ie](mailto: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



Attachment E4 (Revised ) Castletownsend D0468-01

Attachment E4 Castletownsend Discharge Outlet			
Sample Date	28/5/2009		28/05/2009
Sample	Boat Slip		Flemings pipe
Sample Code	GT772		GT775
Flow M <sup>3</sup> /Day	*		*
pH	7.5		7.3
Temperature °C	*		*
Cond 20°C	332		858
SS mg/L	15		37
NH <sub>3</sub> mg/L	1.2		61.3
BOD mg/L	7		47
COD mg/L	38		139
TN mg/L	5.08		91.9
Nitrite mg/L	0.249		<0.10
Nitrate mg/L	1.771		<0.50
TP mg/L	0.48		9.11
O-PO4-P mg/L	0.12		8.18
SO4 mg/L	<30		48.5
Phenols µg/L	<0.10		<0.10
Atrazine µg/L	<0.01		<0.01
Dichloromethane	<1		<1
Simazine µg/L	<0.01		<0.01
Toluene µg/L	<0.28		18.591
Tributyltin µg/L	<0.02		*
Xylenes µg/L	<1		<1
Arsenic µg/L	1.3		<0.96
Chromium ug/L	<20		<20
Copper ug/L	<20		<20
Cyanide µg/L	7		<5
Fluoride µg/L	108		521
Lead ug/L	<20		<20
Nickel ug/L	<20		<20
Zinc ug/L	<20		47.8
Boron ug/L	78.5		49.9
Cadmium ug/L	<20		<20
Mercury µg/L	<0.2		0.2
Selenium µg/L	13.5		4.3
Barium ug/L	<20		<20

Attachment E4 Castletownsend Ambient waters			
Sample Date	28/5/2009		
Sample	River		River
Sample Code	GT776		
Flow M <sup>3</sup> /Day	*		
pH	8.2		
Temperature °C	*		
Cond 20°C	45700		
SS mg/L	26		
NH <sub>3</sub> mg/L	0.5"		"saline interference
BOD mg/L	1		
COD mg/L	24		
TN mg/L	0.28		
Nitrite mg/L	<0.10		
Nitrate mg/L	<0.50		
TP mg/L	0.079		
O-PO4-P mg/L	<0.05		
SO4 mg/L	no result		"saline interference
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	<0.02		
Xylenes µg/L	<1		
Arsenic µg/L	2		
Chromium ug/L	<20		
Copper ug/L	<20		
Cyanide µg/L	<5		
Fluoride µg/L	796		"saline interference
Lead ug/L	<20		
Nickel ug/L	<20		
Zinc ug/L	<20		
Boron ug/L	2320		
Cadmium ug/L	<20		
Mercury µg/L	<0.2		
Selenium µg/L	33.3		"saline interference
Barium ug/L	<20		

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