

Attachment E4 Annaghmore Discharge Outlet Table E4

Sample Date	14/12/2009	14/12/2009	14/12/2009	14/12/2009
Sample	Influent	Effluent	Upstream	Downstream
Sample Code	GT1489	GT1490	GT1491	GT1488
Flow M ³ /Day	*	*	*	*
pH	6.4	6.6	6.2	6.9
Temperature °C	*	*	*	*
Conductivity uS/cm 20 °C	604	681	284	213
Suspended Solids mg/L	840	158	<2.5	3
Ammonia-N mg/L	28.1	38.6	0.4	0.20
BOD mg/L	*	*	*	*
COD mg/L	1281	565	<21	<21
TN-N mg/L	*	*	*	*
Nitrite-N mg/L	<0.1	0.133	<0.1	<0.1
Nitrate-N mg/L	<0.5	<0.5	9.66	3.99
TP-P mg/L	5.44	7.75	0.077	<0.05
O-PO4-P mg/L	2.94	4.84	0.06	<0.05
SO4 mg/L	77.1	39.9	<30	<30
Phenols µg/L	*	*	*	*
Atrazine µg/L	*	*	*	*
Dichloromethane µg/L	*	*	*	*
Simazine µg/L	*	*	*	*
Toluene µg/L	*	*	*	*
Tributyltin µg/L	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
Xylenes µg/L	*	*	*	*
Arsenic µg/L	*	*	*	*
Chromium ug/L	*	*	*	*
Copper ug/L	*	*	*	*
Cyanide µg/L	*	*	*	*
Fluoride µg/L	*	*	*	*
Lead ug/L	*	*	*	*
Nickel ug/L	*	*	*	*
Zinc ug/L	*	*	*	*
Boron ug/L	*	*	*	*
Cadmium ug/L	*	*	*	*
Mercury µg/L	*	*	*	*
Selenium µg/L	*	*	*	*
Barium ug/L	*	*	*	*

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Note - screening analysis to be undertaken in January 2010