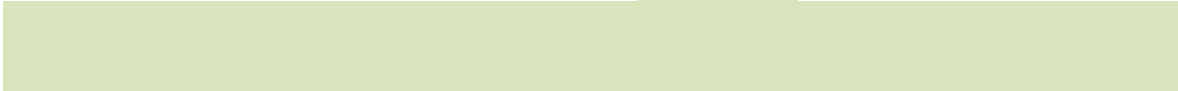


EPL SAMPLING LOCATIONS FOR WATER AND DUST MONITORING



EPL7

		Sample Name	SE208255.001
		Description	EPL10
		Sample Date	1/7/2020 28/10/2020
		Matrix	Water
Analyte Name	Units	Reporting Limit	Result
Total Alkalinity as CaCO3	mg/L	5	Hole lost
Anionic Surfactants as MBAS (Calc. as LAS MW 288)	mg/L	0.1	
Calcium, Ca	mg/L	0.2	
Chloride	mg/L	1	
Magnesium, Mg	mg/L	0.1	
pH**	pH Units	0.1	7.1
Potassium, K	mg/L	0.1	
Sodium, Na	mg/L	0.5	
Standing Water Level			
Sulfate, SO4	mg/L	1	74
Total Copper	µg/L	1	9
Total Cyanide	mg/L	0.004	<0.004
Total Dissolved Solids Dried at 175-185°C	mg/L	10	290
TRH >C10-C16 (F2)	µg/L	60	
TRH >C10-C16 (F2) - Naphthalene	µg/L	60	
TRH >C16-C34 (F3)	µg/L	500	
TRH >C34-C40 (F4)	µg/L	500	
TRH C10-C14	µg/L	50	
TRH C10-C36	µg/L	450	
TRH C10-C40	µg/L	650	
TRH C15-C28	µg/L	200	
TRH C29-C36	µg/L	200	
TRH C37-C40	µg/L	200	



Analyte Name	Units	Reporting Limit	Result
pH**	No unit	0	7.1
Conductivity @ 25 C	µS/cm	2	290
Fluoride	mg/L	0.1	0.16
Sulfate, SO4	mg/L	1	74
Biochemical Oxygen Demand (BOD5)	mg/L	5	<5
Total Cyanide	mg/L	0.004	<0.004
Oil and Grease	mg/L	5	0
Chemical Oxygen Demand	mg/L	10	76
Total Suspended Solids Dried at 103-105°C	mg/L	5	320
Anionic Surfactants as MBAS (Calc. as LAS MW 288)	mg/L	0.1	<0.1
Total Aluminium	mg/L	0.005	4.8
Total Arsenic	mg/L	0.001	2
Total Cadmium	mg/L	0.0001	0.1
Total Chromium	mg/L	0.001	5
Total Cobalt	mg/L	0.001	0.003
Total Copper	mg/L	0.001	9
Total Lead	mg/L	0.001	6
Total Manganese	mg/L	0.001	0.27
Total Molybdenum	mg/L	0.001	<0.001
Total Nickel	mg/L	0.001	4
Total Selenium	mg/L	0.001	0.002
Total Zinc	mg/L	0.005	28
Total Mercury	mg/L	0.0001	<0.0001

EPL8

0 Samples required

remained dry at each quarter

11/18/2020

Hole lost

EPL9

0 samples required

remained dry at each quarter

EPL10

number of samples required =1
 number of samples collected and analysed =1

Analyte Name	Units	Reporting Limit	Result
Total Alkalinity as CaCO3	mg/L	5	Hole lost
Anionic Surfactants as MBAS (Calc. as LAS MW 288)	mg/L	0.1	
Calcium, Ca	mg/L	0.2	
Chloride	mg/L	1	
Magnesium, Mg	mg/L	0.1	
pH**	pH Units	0.1	7.3
Potassium, K	mg/L	0.1	
Sodium, Na	mg/L	0.5	
Standing Water Level			At surface
Sulfate, SO4	mg/L	1	150
Total Copper	µg/L	1	2
Total Cyanide	mg/L	0.004	
Total Dissolved Solids Dried at 175-185°C	mg/L	10	490
TRH >C10-C16 (F2)	µg/L	60	
TRH >C10-C16 (F2) - Naphthalene	µg/L	60	
TRH >C16-C34 (F3)	µg/L	500	
TRH >C34-C40 (F4)	µg/L	500	
TRH C10-C14	µg/L	50	
TRH C10-C36	µg/L	450	
TRH C10-C40	µg/L	650	
TRH C15-C28	µg/L	200	
TRH C29-C36	µg/L	200	
TRH C37-C40	µg/L	200	

Analyte Name	Units	Reporting Limit	Result
pH**	No unit	0	7.3
Conductivity @ 25 C	µS/cm	2	490
Fluoride	mg/L	0.1	0.67
Sulfate, SO4	mg/L	1	150
Biochemical Oxygen Demand (BOD5)	mg/L	5	<5
Total Cyanide	mg/L	0.004	<0.004
Oil and Grease	mg/L	5	0
Chemical Oxygen Demand	mg/L	10	35
Total Suspended Solids Dried at 103-105°C	mg/L	5	72
Anionic Surfactants as MBAS (Calc. as LAS MW 288)	mg/L	0.1	<0.1
Total Aluminium	mg/L	0.005	0.67
Total Arsenic	mg/L	0.001	<1
Total Cadmium	mg/L	0.0001	<0.001
Total Chromium	mg/L	0.001	1
Total Cobalt	mg/L	0.001	0.001
Total Copper	mg/L	0.001	2
Total Lead	mg/L	0.001	<1
Total Manganese	mg/L	0.001	0.042
Total Molybdenum	mg/L	0.001	<0.001
Total Nickel	mg/L	0.001	1
Total Selenium	mg/L	0.001	<0.001
Total Zinc	mg/L	0.005	14
Total Mercury	mg/L	0.0001	<0.0001

DUST SAMPLING

DUST SAMPLING														Lowest Value	Average Value	Highest Value	# of samples required	# of samples collected
EPL11	Date	14/4/2020	13/5/2020	10/6/2020	15/7/2020	11/8/2020	16/9/2020	21/10/2020	18/11/2020	16/12/2020	20/1/2021	17/2/2021	24/3/2021					
	g/m ³ /30 days	0.7	0.5	1	0.5	0.3	1.1	1.6	1.7	4.7	1.0	0.7	0.5	0.3	1.2	4.7	12	12
EPL12	Date	14/4/2020	13/5/2020	10/6/2020	15/7/2020	11/8/2020	16/9/2020	21/10/2020	18/11/2020	16/12/2020	20/1/2021	17/2/2021	24/3/2021					
	g/m ³ /30 days	0.5	0.7	0.3	0.4	0.8	0.4	3.4	1.2	2.3	5.2	1.7	24	0.3	3.4	24	12	12
EPL13	Date	14/4/2020	13/5/2020	10/6/2020	15/7/2020	11/8/2020	16/9/2020	21/10/2020	18/11/2020	16/12/2020	20/1/2021	17/2/2021	24/3/2021					
	g/m ³ /30 days	0.5	1.0	0.3	0.4	0.7	0.5	2.5	0.9	1.3	0.5	0.5	0.4	0.3	0.8	2.5	12	12
EPL14	Date	14/4/2020	13/5/2020	10/6/2020	15/7/2020	11/8/2020	16/9/2020	21/10/2020	18/11/2020	16/12/2020	20/1/2021	17/2/2021	24/3/2021					
	g/m ³ /30 days	2.6	0.7	0.4	1.1	1.2	1.0	0.9	2.7	3.9	8.5	2.7	1	0.4	2.2	8.5	12	12
EPL15	Date	14/4/2020	13/5/2020	10/6/2020	15/7/2020	11/8/2020	16/9/2020	21/10/2020	18/11/2020	16/12/2020	20/1/2021	17/2/2021	24/3/2021					
	g/m ³ /30 days	5.4	1.0	6.1	3.0	1.7	0.5	1.2	0.9	3.5	0.7	0.5	10	0.5	2.9	10.0	12	12
																Total	60	60

x = sample not taken/analysed