

May 2018

Permit reference number: EPR/B3802FG/A001

Part B4 – General – new bespoke permit

4a – Describe the measures you use for monitoring emissions by referring to each emission point in Table 2

Dear Sir/Madam,

Environmental monitoring of groundwater, surface water and gas is carried out regularly at the site. Please see schedule below:

Sample Type	Sample Points	Total No of sampling points	Interval	Suite	Parameters
Groundwater	GrGW1 - GrGW7, GrB1, GrB2, GrB3, GrY3	11	Mar	GrGW/A1	pH
					Electrical conductivity (µs/cm)
					Chloride (mg/l)
					Ammoniacal Nitrogen (mg/l)
					COD (mg/l)
					BOD (mg/l)
					Total Suspended Solids (mg/l)
			Sept	GrGW/A2	pH
					Electrical conductivity (µs/cm)
					Chloride (mg/l)
					Ammoniacal Nitrogen (mg/l)
					Sulphate (mg/l)
					Alkalinity (mg/l)
					COD (mg/l)
					BOD (mg/l)
					TON (mg/l)
					TOC (mg/l)
					Sodium (mg/l)
					Potassium (mg/l)
Calcium (mg/l)					

					Magnesium (mg/l)
					Iron (mg/l)
					Manganese (mg/l)
					Chromium (mg/l)
					Copper (mg/l)
					Nickel (mg/l)
					Lead (mg/l)
					Cadmium (mg/l)
					Zinc (mg/l)
					Boron (mg/l)
Surface Water	GrSW1 - GrSW4	4	Mar, Sep	GrGW/A1	As Above
Surface Water	GrSW5	1	Monthly	GrGW/A1	As Above

Sample Type	Sample Points	Total No of sampling points	Interval	Parameters
Gas	GRB1-3, GRGW1-7, GRO1, GRO3(1), GRO3(2), GRY3	14	Monthly	Atmospheric pressure (mb)
				Methane (%vol)
				Carbon Dioxide (%vol)
				Oxygen (%vol)

Yours sincerely,

Ellie Clements
Environment and Energy Technician