

Reporting of Emission to Groundwater for the period from ...1st January 2020 to 30th June 2020

Operator : RWE Generation UK plc

Form: Groundwater1

Location: Aberthaw Ash Disposal Site

Permit/Variation Number: DP3432SW

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH3	Aluminium, Dissolved		Awaiting µg/l result		05/03/2020	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		Awaiting µg/l				
	Arsenic Dissolved	310	170 µg/l				
	Boron, Dissolved	60000	17000 µg/l				
	Cadmium, Dissolved	15	0.15 µg/l				
	Calcium, Dissolved		330 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		0.3 µg/l				
	Magnesium, Dissolved		170 mg/l				
	Manganese, Dissolved		230 µg/l				
	Molybdenum, Dissolved	9000	Awaiting µg/l				
	Nickel, Dissolved		0.8 µg/l				
	Selenium Dissolved	350	0.00 µg/l				
	Vanadium, Dissolved		48 µg/l				
	Mercury, Dissolved	20	<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		331 mg/l				
	Conductivity at 20C		4200 uS/cm				
	Potassium, Dissolved		71 mg/l				
	Sodium, Dissolved		490 mg/l				
	Sulphate, Dissolved as SO4		1200 mg/l				
	Nitrogen : Total Oxidised as N		0.61 mg/l				
	Chloride		Not tested mg/l				
	Fluoride		0.13 mg/l				
	Ammoniacal Nitrogen as N	6.6	<0.010 mg/l				
	Carbon, Organic : Total as C :- {TOC}		1 mg/l				
	pH		7.60 pH Units				
	Ionic Balance		0.00 %				
Electrical Conductivity		4832 µS/cm	Field Measurements				
Temperature		11.8 deg C					
Dissolved Oxygen		0.65 mg/l					
pH		7.51 pH Units					
Groundwater Level		7.37 mAOD					

	Substance/ Emission point Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH3	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved	310					
	Boron, Dissolved	60000					
	Cadmium, Dissolved	15					
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved	9000					
	Nickel, Dissolved						
	Selenium Dissolved	350					
	Vanadium, Dissolved						
	Mercury, Dissolved	20					
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N	6.6					
Carbon, Organic : Total as C :- (TOC)							
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH5	Aluminium, Dissolved		<10 µg/l		05/03/2020	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<1 µg/l				
	Arsenic Dissolved		<1 µg/l				
	Boron, Dissolved		260 µg/l				
	Cadmium, Dissolved		<0.1 µg/l				
	Calcium, Dissolved		190 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		<1 µg/l				
	Magnesium, Dissolved		12 mg/l				
	Manganese, Dissolved		19 µg/l				
	Molybdenum, Dissolved		22 µg/l				
	Nickel, Dissolved		<1 µg/l				
	Selenium Dissolved		0.00 µg/l				
	Vanadium, Dissolved		<2 µg/l				
	Mercury, Dissolved		<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		380 mg/l				
	Conductivity at 20C		1000 uS/cm				
	Potassium, Dissolved		3 mg/l				
	Sodium, Dissolved		42 mg/l				
	Sulphate, Dissolved as SO4		140 mg/l				
	Nitrogen : Total Oxidised as N		1.80 mg/l				
	Chloride		63 mg/l				
	Fluoride		0.08 mg/l				
	Ammoniacal Nitrogen as N		<0.030 mg/l				
	Carbon, Organic : Total as C :- (TOC)		2 mg/l				
pH		7.00 pH Units					
Ionic Balance		-0.17 %					
Electrical Conductivity		1153 µS/cm	Field Measurements				
Temperature		9.2 deg C					
Dissolved Oxygen		4.46 mg/l					
pH		7.18 pH Units					
Groundwater Level		11.30 mAOD					

Substance/ Emission point Parameter		Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH5	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved						
	Boron, Dissolved						
	Cadmium, Dissolved						
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved						
	Nickel, Dissolved						
	Selenium Dissolved						
	Vanadium, Dissolved						
	Mercury, Dissolved						
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N						
	Carbon, Organic : Total as C :- (TOC)						
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH6	Aluminium, Dissolved		<40 µg/l		00/01/1900	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<10 µg/l				
	Arsenic Dissolved		11 µg/l				
	Boron, Dissolved		14000 µg/l				
	Cadmium, Dissolved		0.44 µg/l				
	Calcium, Dissolved		840 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		0.28 µg/l				
	Magnesium, Dissolved		150 mg/l				
	Manganese, Dissolved		950 µg/l				
	Molybdenum, Dissolved		2800 µg/l				
	Nickel, Dissolved		6.2 µg/l				
	Selenium Dissolved		Awaiting µg/l result				
	Vanadium, Dissolved		<20 µg/l				
	Mercury, Dissolved		<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		Not tested mg/l				
	Conductivity at 20C		11000 uS/cm				
	Potassium, Dissolved		110 mg/l				
	Sodium, Dissolved		1700 mg/l				
	Sulphate, Dissolved as SO4		1300 mg/l				
	Nitrogen : Total Oxidised as N		16.00 mg/l				
	Chloride		Not tested mg/l				
	Fluoride		0.13 mg/l				
	Ammoniacal Nitrogen as N		1.20 mg/l				
	Carbon, Organic : Total as C :- {TOC}		2 mg/l				
	pH		7.30 pH Units				
Ionic Balance		0.00 %					
Electrical Conductivity		12771 µS/cm	Field Measurements				
Temperature		11.9 deg C					
Dissolved Oxygen		1.86 mg/l					
pH		7.30 pH Units					
Groundwater Level		14.35 mAOD					

	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH6	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved						
	Boron, Dissolved						
	Cadmium, Dissolved						
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved						
	Nickel, Dissolved						
	Selenium Dissolved						
	Vanadium, Dissolved						
	Mercury, Dissolved						
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N						
	Carbon, Organic : Total as C :- (TOC)						
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH7	Aluminium, Dissolved		<40 ug/l		04/12/2019	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<10 µg/l				
	Arsenic Dissolved	310	10 µg/l				
	Boron, Dissolved	60000	19000 µg/l				
	Cadmium, Dissolved	15	0.25 µg/l				
	Calcium, Dissolved		690 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		<0.2 µg/l				
	Magnesium, Dissolved		110 mg/l				
	Manganese, Dissolved		1000 µg/l				
	Molybdenum, Dissolved	9000	2600 µg/l				
	Nickel, Dissolved		<0.3 µg/l				
	Selenium Dissolved	350	0.00 µg/l				
	Vanadium, Dissolved		<20 µg/l				
	Mercury, Dissolved	20	<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		Not tested mg/l				
	Conductivity at 20C		11000 uS/cm				
	Potassium, Dissolved		220 mg/l				
	Sodium, Dissolved		1800 mg/l				
	Sulphate, Dissolved as SO4		1600 mg/l				
	Nitrogen : Total Oxidised as N		<0.20 mg/l				
	Chloride		Not tested mg/l				
	Fluoride		0.35 mg/l				
	Ammoniacal Nitrogen as N	6.6	2.90 mg/l				
	Carbon, Organic : Total as C :- (TOC)		1 mg/l				
pH		7.30 pH Units					
Ionic Balance		0.00 %					
Electrical Conductivity		13022 µS/cm	Field Measurements				
Temperature		13.0 deg C					
Dissolved Oxygen		1.30 mg/l					
pH		7.21 pH Units					
Groundwater Level		2.73 mAOD					

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH7	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved	310					
	Boron, Dissolved	60000					
	Cadmium, Dissolved	15					
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved	9000					
	Nickel, Dissolved						
	Selenium Dissolved	350					
	Vanadium, Dissolved						
	Mercury, Dissolved	20					
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N	6.6					
	Carbon, Organic : Total as C :- (TOC)						
	pH						
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH8	Aluminium, Dissolved		µg/l		Borehole not sampled due to damage	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		µg/l				
	Arsenic Dissolved		µg/l				
	Boron, Dissolved		µg/l				
	Cadmium, Dissolved		µg/l				
	Calcium, Dissolved		mg/l				
	Chromium, Dissolved		µg/l				
	Copper, Dissolved		µg/l				
	Magnesium, Dissolved		mg/l				
	Manganese, Dissolved		µg/l				
	Molybdenum, Dissolved		µg/l				
	Nickel, Dissolved		µg/l				
	Selenium Dissolved		µg/l				
	Vanadium, Dissolved		µg/l				
	Mercury, Dissolved		µg/l				
	Alkalinity to pH 4.5 as CaCO3		mg/l				
	Conductivity at 20C		uS/cm				
	Potassium, Dissolved		mg/l				
	Sodium, Dissolved		mg/l				
	Sulphate, Dissolved as SO4		mg/l				
	Nitrogen : Total Oxidised as N		mg/l				
	Chloride		mg/l				
	Fluoride		mg/l				
	Ammoniacal Nitrogen as N		mg/l				
	Carbon, Organic : Total as C :- (TOC)		mg/l				
	pH		pH Units				
Ionic Balance		%					
Electrical Conductivity		µS/cm	Field Measurements				
Temperature		deg C					
Dissolved Oxygen		mg/l					
pH		pH Units					
Groundwater Level		mAOD					

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH8	Aluminium, Dissolved		µg/l		Borehole not sampled due to damage	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		µg/l				
	Arsenic Dissolved		µg/l				
	Boron, Dissolved		µg/l				
	Cadmium, Dissolved		µg/l				
	Calcium, Dissolved		mg/l				
	Chromium, Dissolved		µg/l				
	Copper, Dissolved		µg/l				
	Magnesium, Dissolved		mg/l				
	Manganese, Dissolved		µg/l				
	Molybdenum, Dissolved		µg/l				
	Nickel, Dissolved		µg/l				
	Selenium Dissolved		µg/l				
	Vanadium, Dissolved		µg/l				
	Mercury, Dissolved		µg/l				
	Alkalinity to pH 4.5 as CaCO3		mg/l				
	Conductivity at 20C		uS/cm				
	Potassium, Dissolved		mg/l				
	Sodium, Dissolved		mg/l				
	Sulphate, Dissolved as SO4		mg/l				
	Nitrogen : Total Oxidised as N		mg/l				
	Chloride		mg/l				
	Fluoride		mg/l				
	Ammoniacal Nitrogen as N		mg/l				
	Carbon, Organic : Total as C :- (TOC)		mg/l				
	pH		pH Units				
Ionic Balance		%					
Electrical Conductivity		µS/cm	Field Measurements				
Temperature		deg C					
Dissolved Oxygen		mg/l					
pH		pH Units					
Groundwater Level		mAOD					

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH9	Aluminium, Dissolved		<10 µg/l		03/03/2020	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<1 µg/l				
	Arsenic Dissolved		<1 µg/l				
	Boron, Dissolved		<100 µg/l				
	Cadmium, Dissolved		<0.1 µg/l				
	Calcium, Dissolved		100 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		<1 µg/l				
	Magnesium, Dissolved		22 mg/l				
	Manganese, Dissolved		<10 µg/l				
	Molybdenum, Dissolved		<3 µg/l				
	Nickel, Dissolved		<1 µg/l				
	Selenium Dissolved		0 µg/l				
	Vanadium, Dissolved		<2 µg/l				
	Mercury, Dissolved		<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		290 mg/l				
	Conductivity at 20C		660 uS/cm				
	Potassium, Dissolved		2 mg/l				
	Sodium, Dissolved		23 mg/l				
	Sulphate, Dissolved as SO4		31 mg/l				
	Nitrogen : Total Oxidised as N		4 mg/l				
	Chloride		40 mg/l				
	Fluoride		0.14 mg/l				
	Ammoniacal Nitrogen as N		0.04 mg/l				
	Carbon, Organic : Total as C :- (TOC)		1 mg/l				
	pH		7.4 pH Units				
	Ionic Balance		0 %				
Electrical Conductivity		838 µS/cm	Field Measurements				
Temperature		12 deg C					
Dissolved Oxygen		7 mg/l					
pH		8 pH Units					
Groundwater Level		5.63 mAOD					

	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH9	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved						
	Boron, Dissolved						
	Cadmium, Dissolved						
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved						
	Nickel, Dissolved						
	Selenium Dissolved						
	Vanadium, Dissolved						
	Mercury, Dissolved						
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N						
	Carbon, Organic : Total as C :- (TOC)						
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

	Substance/ Emission point Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH10	Aluminium, Dissolved		<40 µg/l		03/03/2020	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<10 µg/l				
	Arsenic Dissolved		13 µg/l				
	Boron, Dissolved		8900 µg/l				
	Cadmium, Dissolved		0.04 µg/l				
	Calcium, Dissolved		330 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		<0.2 µg/l				
	Magnesium, Dissolved		430 mg/l				
	Manganese, Dissolved		450 µg/l				
	Molybdenum, Dissolved		440 µg/l				
	Nickel, Dissolved		<0.3 µg/l				
	Selenium Dissolved		Not tested µg/l				
	Vanadium, Dissolved		<20 µg/l				
	Mercury, Dissolved		<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		Not tested mg/l				
	Conductivity at 20C		19000 uS/cm				
	Potassium, Dissolved		170 mg/l				
	Sodium, Dissolved		3500 mg/l				
	Sulphate, Dissolved as SO4		900 mg/l				
	Nitrogen : Total Oxidised as N		<0.20 mg/l				
	Chloride		Not tested mg/l				
	Fluoride		0.16 mg/l				
	Ammoniacal Nitrogen as N		32.00 mg/l				
	Carbon, Organic : Total as C :- (TOC)		7 mg/l				
	pH		7.50 pH Units				
	Ionic Balance		0.00 %				
Electrical Conductivity		21561 µS/cm	Field Measurements				
Temperature		12.5 deg C					
Dissolved Oxygen		0.25 mg/l					
pH		7.24 pH Units					
Groundwater Level		2.09 mAOD					

Substance/ Emission point	Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH10	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved						
	Boron, Dissolved						
	Cadmium, Dissolved						
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved						
	Nickel, Dissolved						
	Selenium Dissolved						
	Vanadium, Dissolved						
	Mercury, Dissolved						
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N						
	Carbon, Organic : Total as C :- (TOC)						
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

Emission point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH11	Aluminium, Dissolved		<40 µg/l		03/03/2020	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved		<10 µg/l				
	Arsenic Dissolved		25.0 µg/l				
	Boron, Dissolved		4200 µg/l				
	Cadmium, Dissolved		<0.03 µg/l				
	Calcium, Dissolved		210 mg/l				
	Chromium, Dissolved		<0.5 µg/l				
	Copper, Dissolved		<0.2 µg/l				
	Magnesium, Dissolved		62 mg/l				
	Manganese, Dissolved		750 µg/l				
	Molybdenum, Dissolved		230 µg/l				
	Nickel, Dissolved		0.6 µg/l				
	Selenium Dissolved		0.00 µg/l				
	Vanadium, Dissolved		<20 µg/l				
	Mercury, Dissolved		<0.01 µg/l				
	Alkalinity to pH 4.5 as CaCO3		Not tested mg/l				
	Conductivity at 20C		2000 uS/cm				
	Potassium, Dissolved		30 mg/l				
	Sodium, Dissolved		170 mg/l				
	Sulphate, Dissolved as SO4		230 mg/l				
	Nitrogen : Total Oxidised as N		<0.20 mg/l				
	Chloride		Not tested mg/l				
	Fluoride		0.13 mg/l				
	Ammoniacal Nitrogen as N		0.82 mg/l				
	Carbon, Organic : Total as C :- (TOC)		1.5 mg/l				
	pH		7.50 pH Units				
	Ionic Balance		0.00 %				
Electrical Conductivity		2295 µS/cm	Field Measurements				
Temperature		13.3 deg C					
Dissolved Oxygen		0.97 mg/l					
pH		7.32 pH Units					
Groundwater Level		4.35 mAOD					

	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
BH11	Aluminium, Dissolved		Unable to collect samples or send off for analysis due to Covid-19		Unable to collect samples or send off for analysis due to Covid-19	Sampling Amec/Testing EA NLS	
	Antimony, Dissolved						
	Arsenic Dissolved						
	Boron, Dissolved						
	Cadmium, Dissolved						
	Calcium, Dissolved						
	Chromium, Dissolved						
	Copper, Dissolved						
	Magnesium, Dissolved						
	Manganese, Dissolved						
	Molybdenum, Dissolved						
	Nickel, Dissolved						
	Selenium Dissolved						
	Vanadium, Dissolved						
	Mercury, Dissolved						
	Alkalinity to pH 4.5 as CaCO3						
	Conductivity at 20C						
	Potassium, Dissolved						
	Sodium, Dissolved						
	Sulphate, Dissolved as SO4						
	Nitrogen : Total Oxidised as N						
	Chloride						
	Fluoride						
	Ammoniacal Nitrogen as N						
	Carbon, Organic : Total as C :- (TOC)						
pH							
Ionic Balance							
Electrical Conductivity			Field Measurements				
Temperature							
Dissolved Oxygen							
pH							
Groundwater Level							

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.


[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[6] The emission limit values for all substances is expressed as a maximum individual value, unless otherwise stated.

Signed  Date 16/07/2020
(authorised to sign as representative of the Operator)

Substance/ Emission point Parameter		Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
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