

Reporting of Emission to Groundwater for the period of June 2024

Operator: CCR Energy Ltd

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] |
|-----------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH3B | Aluminium, Dissolved | | 17.6 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 9.35 µg/L | | | | |
| | Arsenic, Dissolved | | 162 µg/L | | | | |
| | Boron, Dissolved | | 26200 µg/L | | | | |
| | Cadmium, Dissolved | | 0.272 µg/L | | | | |
| | Calcium, Dissolved | | 431000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | 0.301 µg/L | | | | |
| | Magnesium, Dissolved | | 224000 µg/L | | | | |
| | Manganese, Dissolved | | 372 µg/L | | | | |
| | Molybdenum, Dissolved | | 2040 µg/L | | | | |
| | Nickel, Dissolved | | 0.967 µg/L | | | | |
| | Selenium Dissolved | | 13.5 µg/L | | | | |
| | Vanadium, Dissolved | | 30.8 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 279000 µg/L | | | | |
| | Iron, Dissolved | | 47.2 µg/L | | | | |
| | Potassium, Dissolved | | 89000 µg/L | | | | |
| | Sodium, Dissolved | | 318000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1600000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | 161 µg/L | | | | |
| Chloride | | 679000 µg/L | | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | <200 µg/L | | | | | |
| Carbon, Organic: Total as C | | 3300 µg/L | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Electrical conductivity | | 4755 µS/cm | Field measurements | | | |
| | Temperature | | 14.9 °C | | | | |
| | Dissolved oxygen | | 4.95 mg/L | | | | |
| | pH | | 7.46 | | | | |
| | Oxidation reduction potential | | 38 mV | | | | |
| | Groundwater level | | 4.28 mAOD | | | | |

| 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 | | 27/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | <1 µg/L | | | | |
| | Arsenic, Dissolved | | 0.641 µg/L | | | | |
| | Boron, Dissolved | | 738 µg/L | | | | |
| | Cadmium, Dissolved | | <0.08 µg/L | | | | |
| | Calcium, Dissolved | | 257000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | 0.518 µg/L | | | | |
| | Magnesium, Dissolved | | 20900 µg/L | | | | |
| | Manganese, Dissolved | | 56.3 µg/L | | | | |
| | Molybdenum, Dissolved | | 6.14 µg/L | | | | |
| | Nickel, Dissolved | | 1.35 µg/L | | | | |
| | Selenium, Dissolved | | <1 µg/L | | | | |
| | Vanadium, Dissolved | | <1 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 403000 µg/L | | | | |
| | Iron, Dissolved | | 212 µg/L | | | | |
| | Potassium, Dissolved | | 1480 µg/L | | | | |
| | Sodium, Dissolved | | 38200 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 344000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | <100 µg/L | | | | |
| | Chloride | | 45200 µg/L | | | | |
| | Fluoride | | <500 µg/L | | | | |
| | Ammoniacal Nitrogen as N | | <200 µg/L | | | | |
| | Carbon, Organic: Total as C | | 33900 µg/L | | | | |
| Electrical conductivity | | 1423 µS/cm | Field measurements | | | | |
| Temperature | | 12.3 °C | | | | | |
| Dissolved oxygen | | 1.81 mg/L | | | | | |
| pH | | 6.66 | | | | | |
| Oxidation reduction potential | | -57 mV | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Groundwater level | | 8.68 mAOD | | | | |

| 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 | | <10 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 22 µg/L | | | | |
| | Arsenic, Dissolved | | 112 µg/L | | | | |
| | Boron, Dissolved | | 12600 µg/L | | | | |
| | Cadmium, Dissolved | | 0.167 µg/L | | | | |
| | Calcium, Dissolved | | 546000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 153000 µg/L | | | | |
| | Manganese, Dissolved | | 79.6 µg/L | | | | |
| | Molybdenum, Dissolved | | 2070 µg/L | | | | |
| | Nickel, Dissolved | | 2.51 µg/L | | | | |
| | Selenium Dissolved | | 138 µg/L | | | | |
| | Vanadium, Dissolved | | 259 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 582000 µg/L | | | | |
| | Iron, Dissolved | | 63.2 µg/L | | | | |
| | Potassium, Dissolved | | 35300 µg/L | | | | |
| | Sodium, Dissolved | | 39100 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1500000 µg/L | | | | |
| Nitrogen: Total Oxidised as N | | 533 µg/L | | | | | |
| Chloride | | 37100 µg/L | | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | <200 µg/L | | | | | |
| Carbon, Organic: Total as C | | 5610 µg/L | | | | | |
| Electrical conductivity | | 3495 µS/cm | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Temperature | | 19.6 °C | Field measurements | | | |
| | Dissolved oxygen | | 4.97 mg/L | | | | |
| | pH | | 7.02 | | | | |
| | Oxidation reduction potential | | 95 mV | | | | |
| | Groundwater level | | 8.03 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-------------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH7A | Aluminium, Dissolved | | <10 µg/L | | | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | <1 µg/L | | | | |
| | Arsenic, Dissolved | | 24.2 µg/L | | | | |
| | Boron, Dissolved | | 19000 µg/L | | | | |
| | Cadmium, Dissolved | | 0.521 µg/L | | | | |
| | Calcium, Dissolved | | 629000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 102000 µg/L | | | | |
| | Manganese, Dissolved | | 862 µg/L | | | | |
| | Molybdenum, Dissolved | | 2670 µg/L | | | | |
| | Nickel, Dissolved | | <0.4 µg/L | | | | |
| | Selenium Dissolved | | <1 µg/L | | | | |
| | Vanadium, Dissolved | | <1 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 338000 µg/L | | | | |
| | Iron, Dissolved | | 4710 µg/L | | | | |
| | Potassium, Dissolved | | 200000 µg/L | | | | |
| | Sodium, Dissolved | | 1320000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1560000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | <100 µg/L | | | | |
| | Chloride | | 2730000 µg/L | | | | |
| | Fluoride | | <500 µg/L | | | | |
| | Ammoniacal Nitrogen as N | | 2480 µg/L | | | | |
| | Carbon, Organic: Total as C | | <3000 µg/L | | | | |
| Electrical conductivity | | 10629 µS/cm | Field measurements | | | | |
| Temperature | | 15.5 °C | | | | | |
| Dissolved oxygen | | 0.3 mg/L | | | | | |
| pH | | 7.03 | | | | | |
| Oxidation reduction potential | | -113 mV | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Groundwater level | | 3.22 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-----------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH7B | Aluminium, Dissolved | | <10 µg/L | | 27/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | <1 µg/L | | | | |
| | Arsenic, Dissolved | | 27.1 µg/L | | | | |
| | Boron, Dissolved | | 21000 µg/L | | | | |
| | Cadmium, Dissolved | | 0.579 µg/L | | | | |
| | Calcium, Dissolved | | 583000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 119000 µg/L | | | | |
| | Manganese, Dissolved | | 1070 µg/L | | | | |
| | Molybdenum, Dissolved | | 3260 µg/L | | | | |
| | Nickel, Dissolved | | 0.487 µg/L | | | | |
| | Selenium Dissolved | | <1 µg/L | | | | |
| | Vanadium, Dissolved | | <1 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 437000 µg/L | | | | |
| | Iron, Dissolved | | 7020 µg/L | | | | |
| | Potassium, Dissolved | | 201000 µg/L | | | | |
| | Sodium, Dissolved | | 1150000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1570000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | <100 µg/L | | | | |
| Chloride | | 2400000 µg/L | | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | 2200 µg/L | | | | | |
| Carbon, Organic: Total as C | | 3480 µg/L | | | | | |
| Electrical conductivity | | 9800 µS/cm | | | | | |
| Temperature | | 14.3 °C | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Dissolved oxygen | | 1.39 mg/L | Field measurements | | | |
| | pH | | 7.07 | | | | |
| | Oxidation reduction potential | | -109 mV | | | | |
| | Groundwater level | | 3.36 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|--|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH8A | Aluminium, Dissolved | | 161 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 12.3 µg/L | | | | |
| | Arsenic, Dissolved | | 50.4 µg/L | | | | |
| | Boron, Dissolved | | 12600 µg/L | | | | |
| | Cadmium, Dissolved | | 0.214 µg/L | | | | |
| | Calcium, Dissolved | | 609000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | 0.365 µg/L | | | | |
| | Magnesium, Dissolved | | 26700 µg/L | | | | |
| | Manganese, Dissolved | | 86.2 µg/L | | | | |
| | Molybdenum, Dissolved | | 3360 µg/L | | | | |
| | Nickel, Dissolved | | 0.706 µg/L | | | | |
| | Selenium Dissolved | | 36.2 µg/L | | | | |
| | Vanadium, Dissolved | | 123 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 147000 µg/L | | | | |
| | Iron, Dissolved | | <19 µg/L | | | | |
| | Potassium, Dissolved | | 91800 µg/L | | | | |
| | Sodium, Dissolved | | 707000 µg/L | | | | |
| Sulphate, Dissolved as SO ₄ | | 1470000 µg/L | | | | | |
| Nitrogen: Total Oxidised as N | | 8950 µg/L | | | | | |
| Chloride | | 1630000 µg/L | | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | 1530 µg/L | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Carbon, Organic: Total as C | | <3000 µg/L | | | | |
| | Electrical conductivity | | 5977 µS/cm | Field measurements | | | |
| | Temperature | | 14.2 °C | | | | |
| | Dissolved oxygen | | 0.41 mg/L | | | | |
| | pH | | 8.13 | | | | |
| | Oxidation reduction potential | | 57 mV | | | | |
| | Groundwater level | | 7.11 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-------------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH8B | Aluminium, Dissolved | | <10 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 2.37 µg/L | | | | |
| | Arsenic, Dissolved | | 1.83 µg/L | | | | |
| | Boron, Dissolved | | 2040 µg/L | | | | |
| | Cadmium, Dissolved | | <0.08 µg/L | | | | |
| | Calcium, Dissolved | | 773000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 489000 µg/L | | | | |
| | Manganese, Dissolved | | 415 µg/L | | | | |
| | Molybdenum, Dissolved | | 228 µg/L | | | | |
| | Nickel, Dissolved | | 4.82 µg/L | | | | |
| | Selenium Dissolved | | 2.39 µg/L | | | | |
| | Vanadium, Dissolved | | <1 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 388000 µg/L | | | | |
| | Iron, Dissolved | | 510 µg/L | | | | |
| | Potassium, Dissolved | | 138000 µg/L | | | | |
| | Sodium, Dissolved | | 3680000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 953000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | 1660 µg/L | | | | |
| | Chloride | | 8610000 µg/L | | | | |
| | Fluoride | | <500 µg/L | | | | |
| | Ammoniacal Nitrogen as N | | 5230 µg/L | | | | |
| | Carbon, Organic: Total as C | | 6110 µg/L | | | | |
| Electrical conductivity | | 24269 µS/cm | Field measurements | | | | |
| Temperature | | 15.2 °C | | | | | |
| Dissolved oxygen | | 0.95 mg/L | | | | | |
| pH | | 6.87 | | | | | |
| Oxidation reduction potential | | 31 mV | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Groundwater level | | 7.09 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-----------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH9B | Aluminium, Dissolved | | <10 µg/L | | 27/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | <1 µg/L | | | | |
| | Arsenic, Dissolved | | <0.5 µg/L | | | | |
| | Boron, Dissolved | | 339 µg/L | | | | |
| | Cadmium, Dissolved | | <0.08 µg/L | | | | |
| | Calcium, Dissolved | | 175000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | 0.446 µg/L | | | | |
| | Magnesium, Dissolved | | 22200 µg/L | | | | |
| | Manganese, Dissolved | | <3 µg/L | | | | |
| | Molybdenum, Dissolved | | 8.6 µg/L | | | | |
| | Nickel, Dissolved | | 0.589 µg/L | | | | |
| | Selenium Dissolved | | 2.22 µg/L | | | | |
| | Vanadium, Dissolved | | <1 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 292000 µg/L | | | | |
| | Iron, Dissolved | | <19 µg/L | | | | |
| | Potassium, Dissolved | | 2250 µg/L | | | | |
| | Sodium, Dissolved | | 55500 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 152000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | 3160 µg/L | | | | |
| Chloride | | 145000 µg/L | | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | <200 µg/L | | | | | |
| Carbon, Organic: Total as C | | <3000 µg/L | | | | | |
| Electrical conductivity | | 1296 µS/cm | | | | | |
| Temperature | | 12.5 °C | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Dissolved oxygen | | 2.58 mg/L | Field measurements | | | |
| | pH | | 6.94 | | | | |
| | Oxidation reduction potential | | 73 mV | | | | |
| | Groundwater level | | 3.23 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-------------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH10B | Aluminium, Dissolved | | <10 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 2.39 µg/L | | | | |
| | Arsenic, Dissolved | | 43.2 µg/L | | | | |
| | Boron, Dissolved | | 19500 µg/L | | | | |
| | Cadmium, Dissolved | | 0.211 µg/L | | | | |
| | Calcium, Dissolved | | 421000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 182000 µg/L | | | | |
| | Manganese, Dissolved | | 757 µg/L | | | | |
| | Molybdenum, Dissolved | | 2090 µg/L | | | | |
| | Nickel, Dissolved | | 3.36 µg/L | | | | |
| | Selenium Dissolved | | 12.7 µg/L | | | | |
| | Vanadium, Dissolved | | 7.04 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 653000 µg/L | | | | |
| | Iron, Dissolved | | 5130 µg/L | | | | |
| | Potassium, Dissolved | | 61800 µg/L | | | | |
| | Sodium, Dissolved | | 368000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1250000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | 352 µg/L | | | | |
| | Chloride | | 529000 µg/L | | | | |
| | Fluoride | | <500 µg/L | | | | |
| Ammoniacal Nitrogen as N | | 1210 µg/L | | | | | |
| Carbon, Organic: Total as C | | 4890 µg/L | | | | | |
| Electrical conductivity | | 4515 µS/cm | Field measurements | | | | |
| Temperature | | 16.3 °C | | | | | |
| Dissolved oxygen | | 3.37 mg/L | | | | | |
| pH | | 6.95 | | | | | |
| Oxidation reduction potential | | -56 mV | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Groundwater level | | 2.17 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-----------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH11A | Aluminium, Dissolved | | <10 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 3.15 µg/L | | | | |
| | Arsenic, Dissolved | | 137 µg/L | | | | |
| | Boron, Dissolved | | 23000 µg/L | | | | |
| | Cadmium, Dissolved | | 0.242 µg/L | | | | |
| | Calcium, Dissolved | | 511000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | 0.517 µg/L | | | | |
| | Magnesium, Dissolved | | 153000 µg/L | | | | |
| | Manganese, Dissolved | | 1200 µg/L | | | | |
| | Molybdenum, Dissolved | | 1540 µg/L | | | | |
| | Nickel, Dissolved | | 4.57 µg/L | | | | |
| | Selenium Dissolved | | 3.79 µg/L | | | | |
| | Vanadium, Dissolved | | 13.2 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 492000 µg/L | | | | |
| | Iron, Dissolved | | 6310 µg/L | | | | |
| | Potassium, Dissolved | | 55800 µg/L | | | | |
| | Sodium, Dissolved | | 133000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1620000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | 548 µg/L | | | | |
| | Chloride | | 143000 µg/L | | | | |
| Fluoride | | <500 µg/L | | | | | |
| Ammoniacal Nitrogen as N | | 1270 µg/L | | | | | |
| Carbon, Organic: Total as C | | 5830 µg/L | | | | | |
| Electrical conductivity | | 3534 µS/cm | | | | | |
| Temperature | | 16.5 °C | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-------------------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Dissolved oxygen | | 1.98 mg/L | Field measurements | | | |
| | pH | | 6.83 | | | | |
| | Oxidation reduction potential | | -88 mV | | | | |
| | Groundwater level | | 9.89 mAOD | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|-------------------------------|---|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| BH11B | Aluminium, Dissolved | | <10 µg/L | | 26/06/2024 | Sampling WSP / Testing ALS | |
| | Antimony, Dissolved | | 1.9 µg/L | | | | |
| | Arsenic, Dissolved | | 89.7 µg/L | | | | |
| | Boron, Dissolved | | 8260 µg/L | | | | |
| | Cadmium, Dissolved | | <0.08 µg/L | | | | |
| | Calcium, Dissolved | | 424000 µg/L | | | | |
| | Chromium, Dissolved | | <1 µg/L | | | | |
| | Hexavalent Chromium | | <30 µg/L | | | | |
| | Copper, Dissolved | | <0.3 µg/L | | | | |
| | Magnesium, Dissolved | | 86000 µg/L | | | | |
| | Manganese, Dissolved | | 1010 µg/L | | | | |
| | Molybdenum, Dissolved | | 1040 µg/L | | | | |
| | Nickel, Dissolved | | 1.46 µg/L | | | | |
| | Selenium Dissolved | | 1.08 µg/L | | | | |
| | Vanadium, Dissolved | | 14.7 µg/L | | | | |
| | Mercury, Dissolved | | <0.01 µg/L | | | | |
| | Alkalinity to pH 4.5 as CaCO ₃ | | 416000 µg/L | | | | |
| | Iron, Dissolved | | 6690 µg/L | | | | |
| | Potassium, Dissolved | | 98900 µg/L | | | | |
| | Sodium, Dissolved | | 886000 µg/L | | | | |
| | Sulphate, Dissolved as SO ₄ | | 1190000 µg/L | | | | |
| | Nitrogen: Total Oxidised as N | | <100 µg/L | | | | |
| | Chloride | | 2760000 µg/L | | | | |
| | Fluoride | | <500 µg/L | | | | |
| | Ammoniacal Nitrogen as N | | 3550 µg/L | | | | |
| Carbon, Organic: Total as C | | 10700 µg/L | | | | | |
| Electrical conductivity | | 8936 µS/cm | Field measurements | | | | |
| Temperature | | 22.3 °C | | | | | |
| Dissolved oxygen | | 4.19 mg/L | | | | | |
| pH | | 6.99 | | | | | |
| Oxidation reduction potential | | -103 mV | | | | | |

| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---|----------------------------|
| | Groundwater level | | 3.97 mAOD | | | | |

[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.

Sign 
(authorised to sign as representative of the Operator)

Date...15/07/2024.....