

LLW(07) S2/261, March 2008, LLW Facilities Stage 2, Environmental
Statement Addendum

Appendix 10e

Surface Water Quality Data Table 1 and 2

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands

| Date Sampled | Field Sample Name | Generic Screening Criteria DWS mg/l | Aluminium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Ammoniacal Nitrogen mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS SW mg/l | Arsenic mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-------------------------------------|----------------|---------------------------------|-------------------------------------|--------------------------|---------------------------------|--|--------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.2 | 0.031 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW4.1 | 0.2 | 0.058 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW4.2 | 0.2 | 0.029 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW4.2 | 0.2 | 0.05 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW4.3 | 0.2 | 0.038 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW4.3 | 0.2 | 0.065 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW6.1 | 0.2 | 0.03 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW6.1 | 0.2 | 0.033 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW6.2 | 0.2 | 0.024 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW6.2 | 0.2 | 0.067 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW9.1 | 0.2 | 0.05 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW9.1 | 0.2 | 0.11 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 03-Oct-07 | SW9.2 | 0.2 | 0.036 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |
| 29-Jan-08 | SW9.2 | 0.2 | 0.085 | 0.002 | 0.5 | <0.05 | 0.05 | 0.025 | <0.002 | 0.002 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Ba mg/l | Lower Limit of Detection (mg/l) | Beryllium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW mg/l | Boron Water Soluble mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS SW mg/l | Cadmium mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|---------|---------------------------------|----------------|---------------------------------|--|--------------------------|---------------------------------|--|--------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.09 | 0.02 | <0.001 | 0.001 | 2 | 0.02 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.1 | 0.08 | 0.02 | <0.001 | 0.001 | 2 | 0.05 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW4.2 | 0.09 | 0.02 | <0.001 | 0.001 | 2 | <0.01 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.2 | 0.07 | 0.02 | <0.001 | 0.001 | 2 | 0.07 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW4.3 | 0.08 | 0.02 | <0.001 | 0.001 | 2 | 0.06 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.3 | 0.07 | 0.02 | <0.001 | 0.001 | 2 | 0.03 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW6.1 | 0.12 | 0.02 | <0.001 | 0.001 | 2 | 0.02 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW6.1 | 0.07 | 0.02 | <0.001 | 0.001 | 2 | 0.03 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW6.2 | 0.09 | 0.02 | <0.001 | 0.001 | 2 | <0.01 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW6.2 | 0.05 | 0.02 | <0.001 | 0.001 | 2 | 0.05 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW9.1 | 0.13 | 0.02 | <0.001 | 0.001 | 2 | 0.02 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW9.1 | 0.09 | 0.02 | <0.001 | 0.001 | 2 | 0.04 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 03-Oct-07 | SW9.2 | 0.09 | 0.02 | <0.001 | 0.001 | 2 | <0.01 | 0.01 | 0.0025 | <0.001 | 0.001 |
| 29-Jan-08 | SW9.2 | 0.06 | 0.02 | <0.001 | 0.001 | 2 | 0.04 | 0.01 | 0.0025 | <0.001 | 0.001 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria DWS mg/l | Calcium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW mg/l | Chloride mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW mg/l | Chromium mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-------------------------------------|--------------|---------------------------------|--|---------------|---------------------------------|--|---------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 250 | 63 | 1 | 250 | 100 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.1 | 250 | 73 | 1 | 250 | 110 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW4.2 | 250 | 63 | 1 | 250 | 110 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.2 | 250 | 63 | 1 | 250 | 110 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW4.3 | 250 | 61 | 1 | 250 | 100 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW4.3 | 250 | 78 | 1 | 250 | 110 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW6.1 | 250 | 76 | 1 | 250 | 94 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW6.1 | 250 | 63 | 1 | 250 | 84 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW6.2 | 250 | 52 | 1 | 250 | 140 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW6.2 | 250 | 47 | 1 | 250 | 110 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW9.1 | 250 | 54 | 1 | 250 | 96 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW9.1 | 250 | 48 | 1 | 250 | 81 | 0.05 | 0.005 | <0.001 | 0.001 |
| 03-Oct-07 | SW9.2 | 250 | 47 | 1 | 250 | 150 | 0.05 | 0.005 | <0.001 | 0.001 |
| 29-Jan-08 | SW9.2 | 250 | 42 | 1 | 250 | 120 | 0.05 | 0.005 | <0.001 | 0.001 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria EQS FW mg/l | Copper mg/l | Lower Limit of Detection (mg/l) | Cyanide - Complex mg/l | Lower Limit of Detection (mg/l) | Cyanide - Free mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW, SW mg/l | Iron mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|--|-------------|---------------------------------|------------------------|---------------------------------|---------------------|---------------------------------|--|-----------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.001 | 0.045 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.27 | 0.001 |
| 29-Jan-08 | SW4.1 | 0.001 | 0.033 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.31 | 0.001 |
| 03-Oct-07 | SW4.2 | 0.001 | 0.051 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.23 | 0.001 |
| 29-Jan-08 | SW4.2 | 0.001 | 0.044 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.27 | 0.001 |
| 03-Oct-07 | SW4.3 | 0.001 | 0.063 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.27 | 0.001 |
| 29-Jan-08 | SW4.3 | 0.001 | 0.016 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.48 | 0.001 |
| 03-Oct-07 | SW6.1 | 0.001 | 0.045 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.28 | 0.001 |
| 29-Jan-08 | SW6.1 | 0.001 | 0.011 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.31 | 0.001 |
| 03-Oct-07 | SW6.2 | 0.001 | 0.046 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.24 | 0.001 |
| 29-Jan-08 | SW6.2 | 0.001 | 0.043 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.28 | 0.001 |
| 03-Oct-07 | SW9.1 | 0.001 | 0.016 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.26 | 0.001 |
| 29-Jan-08 | SW9.1 | 0.001 | 0.032 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.32 | 0.001 |
| 03-Oct-07 | SW9.2 | 0.001 | 0.057 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.27 | 0.001 |
| 29-Jan-08 | SW9.2 | 0.001 | 0.032 | 0.001 | <0.05 | 0.05 | <0.05 | 0.05 | 1 | 0.28 | 0.001 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria EQS FW mg/l | Lead mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Magnesium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Manganese mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|--|-----------|---------------------------------|-------------------------------------|----------------|---------------------------------|-------------------------------------|----------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.029 | 0.001 |
| 29-Jan-08 | SW4.1 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.018 | 0.001 |
| 03-Oct-07 | SW4.2 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.031 | 0.001 |
| 29-Jan-08 | SW4.2 | 0.004 | <0.003 | 0.003 | 50 | 19 | 1 | 0.05 | 0.016 | 0.001 |
| 03-Oct-07 | SW4.3 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.033 | 0.001 |
| 29-Jan-08 | SW4.3 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.029 | 0.001 |
| 03-Oct-07 | SW6.1 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.077 | 0.001 |
| 29-Jan-08 | SW6.1 | 0.004 | <0.003 | 0.003 | 50 | 17 | 1 | 0.05 | 0.012 | 0.001 |
| 03-Oct-07 | SW6.2 | 0.004 | <0.003 | 0.003 | 50 | 18 | 1 | 0.05 | 0.035 | 0.001 |
| 29-Jan-08 | SW6.2 | 0.004 | 0.005 | 0.003 | 50 | 15 | 1 | 0.05 | 0.024 | 0.001 |
| 03-Oct-07 | SW9.1 | 0.004 | <0.003 | 0.003 | 50 | 19 | 1 | 0.05 | 0.067 | 0.001 |
| 29-Jan-08 | SW9.1 | 0.004 | <0.003 | 0.003 | 50 | 17 | 1 | 0.05 | 0.026 | 0.001 |
| 03-Oct-07 | SW9.2 | 0.004 | <0.003 | 0.003 | 50 | 21 | 1 | 0.05 | 0.061 | 0.001 |
| 29-Jan-08 | SW9.2 | 0.004 | <0.003 | 0.003 | 50 | 17 | 1 | 0.05 | 0.016 | 0.001 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria EQS SW mg/l | Mercury mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS SW mg/l | Nickel mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Nitrate mg/l | Lower Limit of Detection (mg/l) | Nitrite mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|--|--------------|---------------------------------|--|-------------|---------------------------------|-------------------------------------|--------------|---------------------------------|--------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | 0.92 | 0.05 | 5.4 | 0.05 |
| 29-Jan-08 | SW4.1 | 0.0003 | <0.001 | 0.001 | 0.03 | 0.001 | 0.001 | 50 | 3.4 | 0.05 | 6.1 | 0.05 |
| 03-Oct-07 | SW4.2 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | 0.07 | 0.05 | 5.5 | 0.05 |
| 29-Jan-08 | SW4.2 | 0.0003 | <0.001 | 0.001 | 0.03 | <0.001 | 0.001 | 50 | 3.2 | 0.05 | 6 | 0.05 |
| 03-Oct-07 | SW4.3 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | 0.11 | 0.05 | 5.9 | 0.05 |
| 29-Jan-08 | SW4.3 | 0.0003 | <0.001 | 0.001 | 0.03 | <0.001 | 0.001 | 50 | 3.3 | 0.05 | 5.9 | 0.05 |
| 03-Oct-07 | SW6.1 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | 0.9 | 0.05 | 6.4 | 0.05 |
| 29-Jan-08 | SW6.1 | 0.0003 | <0.001 | 0.001 | 0.03 | 0.001 | 0.001 | 50 | 0.11 | 0.05 | 5.8 | 0.05 |
| 03-Oct-07 | SW6.2 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | <0.05 | 0.05 | 5.2 | 0.05 |
| 29-Jan-08 | SW6.2 | 0.0003 | <0.001 | 0.001 | 0.03 | <0.001 | 0.001 | 50 | 1.9 | 0.05 | 4.5 | 0.05 |
| 03-Oct-07 | SW9.1 | 0.0003 | <0.010 | 0.010 | 0.03 | 0.001 | 0.001 | 50 | 3.7 | 0.05 | 5.8 | 0.05 |
| 29-Jan-08 | SW9.1 | 0.0003 | <0.001 | 0.001 | 0.03 | 0.003 | 0.001 | 50 | 7 | 0.05 | 4.5 | 0.05 |
| 03-Oct-07 | SW9.2 | 0.0003 | <0.010 | 0.010 | 0.03 | <0.001 | 0.001 | 50 | 0.05 | 0.05 | 3.3 | 0.05 |
| 29-Jan-08 | SW9.2 | 0.0003 | <0.001 | 0.001 | 0.03 | 0.002 | 0.001 | 50 | 5.4 | 0.05 | 4.2 | 0.05 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria EQS mg/l | Potassium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Selenium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW mg/l | Sodium mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-------------------------------------|----------------|---------------------------------|-------------------------------------|---------------|---------------------------------|--|-------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 10 | 7 | 1 | 0.01 | <0.004 | 0.004 | 170 | 51 | 1 |
| 29-Jan-08 | SW4.1 | 10 | 8 | 1 | 0.01 | <0.004 | 0.004 | 170 | 56 | 1 |
| 03-Oct-07 | SW4.2 | 10 | 7 | 1 | 0.01 | <0.004 | 0.004 | 170 | 54 | 1 |
| 29-Jan-08 | SW4.2 | 10 | 7 | 1 | 0.01 | <0.004 | 0.004 | 170 | 54 | 1 |
| 03-Oct-07 | SW4.3 | 10 | 7 | 1 | 0.01 | <0.004 | 0.004 | 170 | 52 | 1 |
| 29-Jan-08 | SW4.3 | 10 | 8 | 1 | 0.01 | <0.004 | 0.004 | 170 | 58 | 1 |
| 03-Oct-07 | SW6.1 | 10 | 14 | 1 | 0.01 | <0.004 | 0.004 | 170 | 46 | 1 |
| 29-Jan-08 | SW6.1 | 10 | 12 | 1 | 0.01 | <0.004 | 0.004 | 170 | 47 | 1 |
| 03-Oct-07 | SW6.2 | 10 | 10 | 1 | 0.01 | <0.004 | 0.004 | 170 | 63 | 1 |
| 29-Jan-08 | SW6.2 | 10 | 10 | 1 | 0.01 | <0.004 | 0.004 | 170 | 57 | 1 |
| 03-Oct-07 | SW9.1 | 10 | 5 | 1 | 0.01 | <0.004 | 0.004 | 170 | 48 | 1 |
| 29-Jan-08 | SW9.1 | 10 | 6 | 1 | 0.01 | <0.004 | 0.004 | 170 | 43 | 1 |
| 03-Oct-07 | SW9.2 | 10 | 8 | 1 | 0.01 | <0.004 | 0.004 | 170 | 76 | 1 |
| 29-Jan-08 | SW9.2 | 10 | 7 | 1 | 0.01 | <0.004 | 0.004 | 170 | 61 | 1 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria DWS mg/l | Sulphate mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria DWS mg/l | Total Cyanide mg/l | Lower Limit of Detection (mg/l) | Vanadium mg/l | Lower Limit of Detection (mg/l) | Generic Screening Criteria EQS FW mg/l | Zinc mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-------------------------------------|---------------|---------------------------------|-------------------------------------|--------------------|---------------------------------|---------------|---------------------------------|--|-----------|---------------------------------|
| 03-Oct-07 | SW4.1 | 250 | 23 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.015 | 0.001 |
| 29-Jan-08 | SW4.1 | 250 | 25 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.015 | 0.001 |
| 03-Oct-07 | SW4.2 | 250 | 22 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.012 | 0.001 |
| 29-Jan-08 | SW4.2 | 250 | 23 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.018 | 0.001 |
| 03-Oct-07 | SW4.3 | 250 | 21 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.015 | 0.001 |
| 29-Jan-08 | SW4.3 | 250 | 23 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.025 | 0.001 |
| 03-Oct-07 | SW6.1 | 250 | 22 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.012 | 0.001 |
| 29-Jan-08 | SW6.1 | 250 | 19 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.012 | 0.001 |
| 03-Oct-07 | SW6.2 | 250 | 14 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.016 | 0.001 |
| 29-Jan-08 | SW6.2 | 250 | 19 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.024 | 0.001 |
| 03-Oct-07 | SW9.1 | 250 | 28 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.01 | 0.001 |
| 29-Jan-08 | SW9.1 | 250 | 21 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.024 | 0.001 |
| 03-Oct-07 | SW9.2 | 250 | 15 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.013 | 0.001 |
| 29-Jan-08 | SW9.2 | 250 | 24 | 0.05 | 0.05 | <0.05 | 0.05 | <0.001 | 0.001 | 0.008 | 0.019 | 0.001 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria EQS FW mg/l | Chromium Hexavalent mg/l | Lower Limit of Detection (mg/l) | Ferric Iron (Fe III) mg/l | Lower Limit of Detection (mg/l) | Ferrous Iron (Fe II) mg/l | Lower Limit of Detection (mg/l) | Phosphate mg/l | Lower Limit of Detection (mg/l) | Sulphide mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|--|--------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|----------------|---------------------------------|---------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.005 | <0.05 | 0.05 | 0.27 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW4.1 | 0.005 | <0.05 | 0.05 | 0.31 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW4.2 | 0.005 | <0.05 | 0.05 | 0.23 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW4.2 | 0.005 | <0.05 | 0.05 | <0.01 | 0.01 | 0.98 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW4.3 | 0.005 | <0.05 | 0.05 | 0.27 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW4.3 | 0.005 | <0.05 | 0.05 | 0.48 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW6.1 | 0.005 | <0.05 | 0.05 | 0.28 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW6.1 | 0.005 | <0.05 | 0.05 | 0.31 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW6.2 | 0.005 | <0.05 | 0.05 | 0.24 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW6.2 | 0.005 | <0.05 | 0.05 | <0.01 | 0.01 | 1.6 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW9.1 | 0.005 | <0.05 | 0.05 | 0.26 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW9.1 | 0.005 | <0.05 | 0.05 | <0.01 | 0.01 | 1.5 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 03-Oct-07 | SW9.2 | 0.005 | <0.05 | 0.05 | 0.27 | 0.01 | <0.01 | 0.01 | <1 | 1 | <0.05 | 0.05 |
| 29-Jan-08 | SW9.2 | 0.005 | <0.05 | 0.05 | <0.01 | 0.01 | 1.3 | 0.01 | <1 | 1 | <0.05 | 0.05 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Alkalinity mg/l | Lower Limit of Detection (mg/l) | pH | Chemical Oxygen Demand mg/l | Lower Limit of Detection (mg/l) | Dissolved Oxygen mg/l | Lower Limit of Detection (mg/l) | Suspended Solids mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-----------------|---------------------------------|-----|-----------------------------|---------------------------------|-----------------------|---------------------------------|-----------------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 210 | 10 | 7.9 | 40 | 5 | 8 | 1 | 25 | 10 |
| 29-Jan-08 | SW4.1 | 180 | 10 | 7.4 | <5 | 5 | 9.4 | 1 | 31 | 10 |
| 03-Oct-07 | SW4.2 | 210 | 10 | 8.1 | 36 | 5 | 8.6 | 1 | 21 | 10 |
| 29-Jan-08 | SW4.2 | 200 | 10 | 8 | <5 | 5 | 8.8 | 1 | 24 | 10 |
| 03-Oct-07 | SW4.3 | 220 | 10 | 8.1 | 38 | 5 | 8.7 | 1 | 25 | 10 |
| 29-Jan-08 | SW4.3 | 200 | 10 | 7.7 | 14 | 5 | 9.7 | 1 | 44 | 10 |
| 03-Oct-07 | SW6.1 | 250 | 10 | 7.9 | 41 | 5 | 3.5 | 1 | 93 | 10 |
| 29-Jan-08 | SW6.1 | 190 | 10 | 7.6 | 28 | 5 | 9.5 | 1 | 32 | 10 |
| 03-Oct-07 | SW6.2 | 200 | 10 | 8 | 53 | 5 | 8.9 | 1 | 21 | 10 |
| 29-Jan-08 | SW6.2 | 140 | 10 | 7.5 | 21 | 5 | 9.7 | 1 | 30 | 10 |
| 03-Oct-07 | SW9.1 | 180 | 10 | 6.9 | 52 | 5 | 4.1 | 1 | 64 | 10 |
| 29-Jan-08 | SW9.1 | 170 | 10 | 6.7 | 25 | 5 | 9.5 | 1 | 21 | 10 |
| 03-Oct-07 | SW9.2 | 190 | 10 | 7.7 | 65 | 5 | 6.9 | 1 | 31 | 10 |
| 29-Jan-08 | SW9.2 | 170 | 10 | 7.5 | 25 | 5 | 9.7 | 1 | 27 | 10 |

Table 1 Surface Water (Drainage Ditch Network) Organic and Inorganic Determinands cont

| Date Sampled | Field Sample Name | Generic Screening Criteria DWS mg/l | TPH (C10-C40) mg/l | Lower Limit of Detection (mg/l) | Fraction Organic Carbon % | Lower Limit of Detection (%) | Total Organic Carbon mg/l | Lower Limit of Detection (mg/l) |
|--------------|-------------------|-------------------------------------|--------------------|---------------------------------|---------------------------|------------------------------|---------------------------|---------------------------------|
| 03-Oct-07 | SW4.1 | 0.01 | <0.01 | 0.01 | 11 | 0.1 | 6 | 1 |
| 29-Jan-08 | SW4.1 | 0.01 | 0.07 | 0.01 | 11 | 0.1 | 6 | 1 |
| 03-Oct-07 | SW4.2 | 0.01 | <0.01 | 0.01 | 13 | 0.1 | 7 | 1 |
| 29-Jan-08 | SW4.2 | 0.01 | 0.19 | 0.01 | 14 | 0.1 | 6 | 1 |
| 03-Oct-07 | SW4.3 | 0.01 | <0.01 | 0.01 | 14 | 0.1 | 8 | 1 |
| 29-Jan-08 | SW4.3 | 0.01 | 0.05 | 0.01 | 13 | 0.1 | 6 | 1 |
| 03-Oct-07 | SW6.1 | 0.01 | 0.01 | 0.01 | 12 | 0.1 | 8 | 1 |
| 29-Jan-08 | SW6.1 | 0.01 | 0.16 | 0.01 | 18 | 0.1 | 8 | 1 |
| 03-Oct-07 | SW6.2 | 0.01 | <0.01 | 0.01 | 17 | 0.1 | 9 | 1 |
| 29-Jan-08 | SW6.2 | 0.01 | 0.07 | 0.01 | 24 | 0.1 | 8 | 1 |
| 03-Oct-07 | SW9.1 | 0.01 | 0.01 | 0.01 | 16 | 0.1 | 9 | 1 |
| 29-Jan-08 | SW9.1 | 0.01 | 0.1 | 0.01 | 19 | 0.1 | 10 | 1 |
| 03-Oct-07 | SW9.2 | 0.01 | 0.01 | 0.01 | 22 | 0.1 | 11 | 1 |
| 29-Jan-08 | SW9.2 | 0.01 | 0.19 | 0.01 | 30 | 0.1 | 10 | 1 |

Table 2: Surface Water (Drainage Ditch Network) Radiological Data

| Date Sampled | Field Sample Name | Generic Screening Criteria DWS Bq/l | Gross Alpha Activity Bq/kg | Lower Limit of Detection (Bq/kg) | +/- 2 Standard Deviation or Precision (Bq/kg) | Generic Screening Criteria DWS Bq/l | Gross Beta Activity Bq/kg | +/- 2 Standard Deviation or Precision (Bq/kg) |
|--------------|-------------------|-------------------------------------|----------------------------|----------------------------------|---|-------------------------------------|---------------------------|---|
| 03-Oct-07 | SW4.1 | 0.55 | <0.069 | 0.069 | | 1.85 | 0.446 | 0.062 |
| 29-Jan-08 | SW4.1 | 0.55 | 0.044 | | 0.037 | 1.85 | 0.394 | 0.058 |
| 03-Oct-07 | SW4.2 | 0.55 | 0.061 | | 0.041 | 1.85 | 0.334 | 0.060 |
| 29-Jan-08 | SW4.2 | 0.55 | 0.038 | | 0.030 | 1.85 | 0.414 | 0.057 |
| 03-Oct-07 | SW4.3 | 0.55 | 0.041 | | 0.037 | 1.85 | 0.357 | 0.062 |
| 29-Jan-08 | SW4.3 | 0.55 | <0.041 | 0.041 | | 1.85 | 0.385 | 0.056 |
| 03-Oct-07 | SW6.1 | 0.55 | 0.050 | | 0.045 | 1.85 | 0.722 | 0.085 |
| 29-Jan-08 | SW6.1 | 0.55 | <0.046 | 0.046 | | 1.85 | 0.577 | 0.069 |
| 03-Oct-07 | SW6.2 | 0.55 | 0.037 | | 0.036 | 1.85 | 0.582 | 0.076 |
| 29-Jan-08 | SW6.2 | 0.55 | <0.026 | 0.026 | | 1.85 | 0.468 | 0.061 |
| 03-Oct-07 | SW9.1 | 0.55 | 0.044 | | 0.043 | 1.85 | 0.363 | 0.059 |
| 29-Jan-08 | SW9.1 | 0.55 | 0.036 | | 0.032 | 1.85 | 0.333 | 0.050 |
| 03-Oct-07 | SW9.2 | 0.55 | 0.042 | | 0.042 | 1.85 | 0.437 | 0.069 |
| 29-Jan-08 | SW9.2 | 0.55 | <0.040 | 0.040 | | 1.85 | 0.326 | 0.057 |