

### Attachment E4 Kilmacsimon Table E4

| Sample Date              | 29/10/2009 | 29/10/2009     | 29/10/2009        | 29/10/2009          |
|--------------------------|------------|----------------|-------------------|---------------------|
| Sample                   | Influent   | Effluent (SW1) | Upstream (aSW-1u) | Downstream (aSW-1d) |
| Sample Code              | GT1342     | GT1343         | GT1341            | GT1344              |
| Flow M <sup>3</sup> /Day | *          | *              | *                 | *                   |
| pH                       | 6.4        | 6.9            | 7.6               | 7.8                 |
| Temperature °C           | *          | *              | *                 | *                   |
| Conductivity uS/cm 20 °C | 1018       | 1356           | 165               | 4920                |
| Suspended Solids mg/L    | 483        | 23             | <2.5              | 131                 |
| Ammonia-N mg/L           | 0.3        | 0.7            | <0.1              | <0.1                |
| BOD mg/L                 | 230        | 21             | 2                 | 1                   |
| COD mg/L                 | 504        | 55             | 50                | 89                  |
| TN-N mg/L                | 27.21      | 9.54           | 3.45              | 4.27                |
| Nitrite-N mg/L           | 0.316      | 0.128          | <0.1              | <0.1                |
| Nitrate-N mg/L           | <0.5       | 7.692          | 2.43              | 2.2                 |
| TP-P mg/L                | 0.449      | 0.22           | <0.05             | 0.092               |
| O-PO4-P mg/L             | <0.05      | 0.12           | <0.05             | 0.08                |
| SO4 mg/L                 | 38.6       | 45.5           | <30               | 237.6               |
| Phenols µg/L             | *          | <0.10          | *                 | <0.10               |
| Atrazine µg/L            | *          | <0.01          | *                 | <0.01               |
| Dichloromethane µg/L     | *          | <1             | *                 | <1                  |
| Simazine µg/L            | *          | <0.01          | *                 | <0.01               |
| Toluene µg/L             | *          | <0.28          | *                 | <0.28               |
| Tributyltin µg/L         | *          | not required   | *                 | not required        |
| Xylenes µg/L             | *          | <1             | *                 | <1                  |
| Arsenic µg/L             | *          | 0.3            | *                 | 3.2                 |
| Chromium ug/L            | <20        | <20            | <20               | <20                 |
| Copper ug/L              | 81.2       | <20            | <20               | <20                 |
| Cyanide µg/L             | *          | <5             | *                 | <5                  |
| Fluoride µg/L            | 59         | 55             | 41                | 77                  |
| Lead ug/L                | <20        | <20            | <20               | <20                 |
| Nickel ug/L              | <20        | <20            | <20               | <20                 |
| Zinc ug/L                | 263.3      | <20            | <20               | <20                 |
| Boron ug/L               | 42         | 47.3           | <20               | 335.3               |
| Cadmium ug/L             | <20        | <20            | <20               | <20                 |
| Mercury µg/L             | *          | <0.03          | *                 | 0.07                |
| Selenium µg/L            | *          | 16.7           | *                 | 81.5                |
| Barium ug/L              | 38.8       | <20            | <20               | <20                 |

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SALINE interference in test