

Attachment E4 Lisgoold Table E4

| Sample Date | 06/10/2009 | 06/10/2009 | 06/10/2009 | 06/10/2009 |
|--------------------------|-------------------------------|---------------------------------------|--|---|
| Sample | Lisgoold WWTP Discharge (GW2) | 80m Downstream Lisgoold WWTP (aGW-2d) | Ballincurrig Septic Tank Discharge (GW1) | 65m Downstream of Ballincurrig Septic Tank (aGW-1d) |
| Sample Code | GT1217 | GT1219 | GT1216 | GT1218 |
| Flow M ³ /Day | No result | No result | No result | No result |
| pH | 6.5 | 7.4 | 7.2 | 7.2 |
| Temperature °C | No result | No result | No result | No result |
| Conductivity uS/cm 20 °C | 581 | 176 | 228 | 162 |
| Suspended Solids mg/L | 74 | 31 | 326 | 26 |
| Ammonia-N mg/L | 0.3 | <0.1 | 5.1 | 0.2 |
| BOD mg/L | 19 | 4 | 133 | 4 |
| COD mg/L | 83 | <21 | 277 | 26 |
| TN-N mg/L | 3.76 | 3.8 | 10.1 | 54.86 |
| Nitrite-N mg/L | <0.1 | <0.1 | <0.1 | <0.1 |
| Nitrate-N mg/L | 43.6 | 2.57 | <0.5 | 2.36 |
| TP-P mg/L | 5.50 | <0.05 | 1.79 | 0.117 |
| O-PO4-P mg/L | 4.54 | <0.05 | 0.47 | 0.06 |
| SO4 mg/L | 33.2 | <30 | <30 | <30 |
| Phenols µg/L | <0.10 | No result | <0.10 | No result |
| Atrazine µg/L | <0.01 | No result | <0.01 | No result |
| Dichloromethane µg/L | <1 | No result | <1 | No result |
| Simazine µg/L | <0.01 | No result | <0.01 | No result |
| Toluene µg/L | <0.28 | No result | <0.28 | No result |
| Tributyltin µg/L | not required | not required | not required | not required |
| Xylenes µg/L | <0.73 | No result | <0.73 | No result |
| Arsenic µg/L | <0.96 | No result | <0.96 | No result |
| Chromium ug/L | <20 | <20 | <20 | <20 |
| Copper ug/L | 31.2 | <20 | 21.2 | <20 |
| Cyanide µg/L | <5 | No result | <5 | No result |
| Fluoride µg/L | 0.034 | No result | 0.041 | 0.036 |
| Lead ug/L | <20 | <20 | <20 | <20 |
| Nickel ug/L | <20 | <20 | <20 | <20 |
| Zinc ug/L | 64.6 | <20 | 39.9 | <20 |
| Boron ug/L | 56.0 | <20 | <20 | <20 |
| Cadmium ug/L | <20 | <20 | <20 | <20 |
| Mercury µg/L | <0.03 | No result | <0.03 | No result |
| Selenium µg/L | 1 | No result | <0.74 | No result |
| Barium ug/L | <20 | <20 | <20 | <20 |

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