

Table 5.10g

Water Quality Modelling Results at Water Intakes for Comparison Against WSD Criteria - Dry Season

| Sensitive Receiver | Dissolved Oxygen | | | BOD | | | Ammoniacal Nitrogen | | | <i>E. coli</i> | | | Suspended Solids | | |
|---------------------------|-----------------------|------|-----------|-----------------------|------|-----------|-----------------------|------|-----------|----------------------------|--------|-----------|-----------------------|------|-----------|
| | (mg L ⁻¹) | | | (mg L ⁻¹) | | | (mg L ⁻¹) | | | (cfu 100mL ⁻¹) | | | (mg L ⁻¹) | | |
| | Baseline | NSLD | NSLD + CT | Baseline | NSLD | NSLD + CT | Baseline | NSLD | NSLD + CT | Baseline | NSLD | NSLD + CT | Baseline | NSLD | NSLD + CT |
| Tsuen Wan WSD Intake | 5.0 | 5.0 | 5.0 | 1.1 | 1.1 | 1.1 | 0.1 | 0.1 | 0.1 | 28,070 | 31,910 | 29,830 | 7.6 | 7.6 | 7.5 |
| Tsing Yi WSD Intake | 5.0 | 5.0 | 5.0 | 0.9 | 0.9 | 0.9 | 0.1 | 0.1 | 0.1 | 15,010 | 14,700 | 14,880 | 7.7 | 7.7 | 7.6 |
| Cheung Sha Wan WSD Intake | 4.7 | 4.7 | 4.8 | 1.9 | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 49,530 | 50,670 | 48,480 | 5.7 | 5.7 | 5.6 |
| Yau Ma Tei WSD Intake | 5.1 | 5.1 | 5.1 | 0.9 | 1.0 | 0.9 | 0.1 | 0.1 | 0.1 | 7,475 | 7,786 | 7,198 | 4.7 | 4.8 | 4.7 |
| Sheung Wan WSD Intake | 5.2 | 5.2 | 5.2 | 0.8 | 0.8 | 0.8 | 0.1 | 0.1 | 0.1 | 10,540 | 12,300 | 11,990 | 5.0 | 5.0 | 4.9 |
| Kennedy Town WSD Intake | 5.3 | 5.2 | 5.2 | 0.6 | 0.6 | 0.6 | 0.1 | 0.1 | 0.1 | 648 | 556 | 549 | 6.6 | 6.6 | 6.5 |
| Tai Ho WSD Intake | 5.5 | 5.4 | 5.4 | 2.4 | 2.4 | 2.4 | 0.2 | 0.2 | 0.2 | 306 | 294 | 255 | 14.3 | 14.6 | 14.5 |
| Fa Peng WSD Intake | 5.1 | 5.1 | 5.1 | 0.9 | 0.9 | 0.9 | 0.1 | 0.1 | 0.1 | 80 | 85 | 85 | 9.7 | 9.8 | 9.6 |
| Sham Shui Kok WSD Intake | 5.2 | 5.2 | 5.2 | 1.2 | 1.2 | 1.2 | 0.1 | 0.2 | 0.2 | 37 | 42 | 36 | 13.6 | 13.3 | 13.5 |

Notes :

1. Shaded cells indicate exceedences of the WSD standards.
2. Dissolved oxygen data are presented as minimum surface concentrations.
3. BOD, Ammoniacal Nitrogen, *E. coli* and Suspended Solids data are presented as maximum surface concentrations