

**Tung Chung New Town Extension (West)**  
**Ecologically-related Water Quality Monitoring Results**

| Reporting Month: Sep-2025    |           | RP1   |       | RP2   |       | RP4   |       | PW1   |       | PW3   |       |
|------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monitoring Station           | Unit      | 1     | 2     | 1     | 2     | 1     | 2     | 1     | 2     | 1     | 2     |
| Replicate                    |           |       |       |       |       |       |       |       |       |       |       |
| Sampling Time                | -         | 09:10 | 09:10 | 10:05 | 10:05 | 10:35 | 10:35 | 09:35 | 09:35 | 11:10 | 11:10 |
| Weather                      | -         | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny |
| Sampling Depth               | m         | 0.3   | 0.3   | 0.3   | 0.3   | 0.4   | 0.4   | 0.4   | 0.4   | 0.5   | 0.5   |
| Parameter                    |           |       |       |       |       |       |       |       |       |       |       |
| pH                           |           | 7.7   | 7.6   | 6.9   | 6.9   | 8.1   | 8.2   | 7.1   | 7.1   | 7.1   | 7.2   |
| Salinity                     | ppt       | 0.02  | 0.02  | 0.02  | 0.02  | 0.04  | 0.04  | 0.02  | 0.02  | 8.15  | 9.13  |
| Temperature                  | °C        | 26.2  | 26.3  | 27.0  | 27.0  | 28.4  | 28.4  | 26.5  | 26.5  | 28.9  | 29.0  |
| Turbidity                    | NTU       | 1.3   | 1.3   | 1.5   | 1.3   | 2.5   | 2.4   | 2.0   | 1.8   | 2.9   | 2.9   |
| DO                           | mg/L      | 9.5   | 8.2   | 7.6   | 7.5   | 6.6   | 7.1   | 7.6   | 7.5   | 6.6   | 6.5   |
| DO Saturation                | %         | 117.8 | 101.4 | 95.7  | 94.5  | 85.3  | 90.9  | 94.7  | 92.7  | 89.8  | 88.7  |
| Suspended Solids             | mg/L      | <0.5  | <0.5  | 3.4   | 1.6   | 5.8   | 7.0   | 4.3   | 2.4   | 2.8   | 3.1   |
| Ammonia as N                 | mg/L      | <0.01 | 0.01  | 0.06  | 0.04  | 0.11  | 0.09  | 0.16  | 0.14  | 0.07  | 0.07  |
| Total Kjeldahl Nitrogen as N | mg/L      | 0.06  | 0.08  | 0.14  | 0.14  | 0.24  | 0.26  | 0.24  | 0.25  | 0.24  | 0.21  |
| Total Phosphorus as P        | mg/L      | 0.01  | 0.01  | 0.03  | 0.03  | 0.03  | 0.03  | 0.04  | 0.04  | 0.02  | 0.03  |
| <i>Escherichia coli</i>      | CFU/100mL | 68    | 76    | 410   | 370   | 360   | 330   | 230   | 220   | 110   | 120   |
| Biochemical Oxygen Demand    | mg/L      | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  |
| Chemical Oxygen Demand       | mg/L      | 4     | 4     | 5     | 5     | 5     | 5     | 5     | 4     | 12    | 12    |
| Oil & Grease                 | mg/L      | <2    | <2    | <2    | <2    | <2    | <2    | <2    | <2    | <2    | <2    |

Ecological Monitoring at the monitoring station RP3 and PW2 were suspended since March 2023 with the commencement of temporary river diversion in Tung Chung Stream.