

**Table D1** *Action and Limit Levels for 1-hour and 24-hour TSP*

| Parameters                                    | Action                                | Limit |
|---|---------------------------------------|-------|
| 24 Hour TSP Level in $\mu\text{g}/\text{m}^3$ | ASR9A/ASR8A = 178<br>ASR9C/ASR8 = 178 | 260   |
| 1 Hour TSP Level in $\mu\text{g}/\text{m}^3$  | ASR9A/ASR8A = 394<br>ASR9C/ASR8 = 393 | 500   |

**Table D2** *Action and Limit Levels for Construction Noise (0700-1900 hrs of normal weekdays)*

| Time Period                      | Action                                    | Limit     |
|----------------------------------|---|-----------|
| 0700-1900 hrs on normal weekdays | When one documented complaint is received | 75* dB(A) |

**Table D3** *Action and Limit Levels for Water Quality*

| Parameter  | Action Level#   | Limit Level#  |
|--|---|---|
| DO in mg/L <sup>(a)</sup>                              | <u>Surface and Middle</u><br><b>5.0 mg/L</b>  | <u>Surface and Middle</u><br><b>4.2 mg/L</b>  |
|  | <u>Bottom</u><br><b>4.7 mg/L</b>  | <u>Bottom</u><br><b>3.6 mg/L</b>  |
| Turbidity in NTU (Depth-averaged <sup>(b), (c)</sup> ) | 120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e.,<br><b>27.5 NTU</b>  | 130% of upstream control station at the same tide of the same day and 99%-ile of baseline data, i.e.,<br><b>47.0 NTU</b>  |
| SS in mg/L (Depth-averaged <sup>(b), (c)</sup> )       | 120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e.,<br><b>23.5 mg/L</b> | 130% of upstream control station at the same tide of the same day and 10mg/L for WSD Seawater Intakes at Tuen Mun and 99%-ile of baseline data, i.e.,<br><b>34.4 mg/L</b> |

**Notes:**

# Baseline data: data from HKZMB Baseline Water Quality Monitoring between 6 and 31 October 2011.

- (a) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (b) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths
- (c) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- (d) All figures given in the table are used for reference only, and EPD may amend the figures whenever it is considered as necessary

| Parameter  | Action Level# | Limit Level# |
|--|---------------|--------------|
| (e) The 1%-ile of baseline data for surface and middle DO is 4.2 mg/L, whilst for bottom DO is 3.6 mg/L. |               |              |

**Table D4** *Action and Limit Levels for Impact Dolphin Monitoring*

|               | North Lantau Social Cluster  |   |
|---------------|--|---|
|               | NEL  | NWL   |
| Action Level  | STG < 70% of baseline & ANI < 70% of baseline  | STG < 70% of baseline & ANI < 70% of baseline |
| Limit Level   | [STG < 40% of baseline & ANI < 40% of baseline] and<br>STG < 40% of baseline & ANI < 40% of baseline   |   |
| <b>Notes:</b> |  |   |
| 1.            | STG means quarterly encounter rate of number of dolphin sightings, which is <b>6.00 in NEL</b> and <b>9.85 in NWL</b> during the baseline monitoring period  |   |
| 2.            | ANI means quarterly encounter rate of total number of dolphins, which is <b>22.19 in NEL</b> and <b>44.66 in NWL</b> during the baseline monitoring period   |   |
| 3.            | For North Lantau Social Cluster, AL will be trigger if NEL or NWL fall below the criteria; LL will be triggered if both NEL and NWL fall below the criteria. |   |

**Table D5** *Derived Value of Action Level (AL) and Limit Level (LL)*

|              | North Lantau Social Cluster                             |                        |
|--------------|---|------------------------|
|              | NEL   | NWL                    |
| Action Level | STG < 4.2 & ANI < 15.5                                  | STG < 6.9 & ANI < 31.3 |
| Limit Level  | [STG < 2.4 & ANI < 8.9] and<br>[STG < 3.9 & ANI < 17.9] |                        |