

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

Parameters	Action	Limit
24 Hour TSP Level in $\mu\text{g}/\text{m}^3$	ASR1 = 213 ASR5 = 238 AQMS1 = 213 AQMS2 / ASR6 = 238 ASR10 = 214	260
1 Hour TSP Level in $\mu\text{g}/\text{m}^3$	ASR1 = 331 ASR5 = 340 AQMS1 = 335 AQMS2 / ASR6 = 338 ASR10 = 337	500

**Table D2**      *Action and Limit Levels for Water Quality Monitoring*

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

**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
- (e) The 1%-ile of baseline data for surface and middle DO is 4.2  $\text{mg}/\text{L}$ , whilst for bottom DO is 3.6  $\text{mg}/\text{L}$ .

**Table D3**      *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 STG < 40% of baseline & ANI < 40% of baseline	
Notes:		
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 D4**      *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 [STG < 3.9 & ANI < 17.9]	