

**Appendix D – Summary of Action and Limit Levels**

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

| <b>ID</b> | <b>Location</b>                    | <b>Action Level</b>     | <b>Limit Level</b>    |
|-----------|------------------------------------|-------------------------|-----------------------|
| E-A14a    | Block B of Merit Industrial Centre | 197.3 µg/m <sup>3</sup> | 260 µg/m <sup>3</sup> |

**Table 2 Action and Limit Levels for 1-hour TSP**

| <b>ID</b> | <b>Location</b>                    | <b>Action Level</b>     | <b>Limit Level</b>    |
|-----------|------------------------------------|-------------------------|-----------------------|
| E-A14a    | Block B of Merit Industrial Centre | 302.4 µg/m <sup>3</sup> | 500 µg/m <sup>3</sup> |

**Table 3 Action and Limit Levels for Construction Noise (0700 – 1900 hrs of normal weekdays)**

| <b>ID</b> | <b>Location</b>                    | <b>Action Level</b>                       | <b>Limit Level</b> |
|-----------|------------------------------------|---|--------------------|
| E-N12a    | 19 Hing Yan Street                 | When one documented complaint is received | 75 dB(A)           |
| E-N21a    | Block B of Merit Industrial Centre | When one documented complaint is received | 75 dB(A)           |

**Table 4 Derived Action and Limit Levels for Water Quality**

| <b>Parameters</b>                            | <b>Action Level</b>   | <b>Limit Level</b>  |
|--|---|---|
| Dissolved Oxygen (DO) in mg/L <sup>(1)</sup> | <p><u>Surface &amp; Middle:</u></p> <p><b>4.03</b></p> <p>(5th percentile of baseline data for surface and middle layer)</p> <p><u>Bottom:</u></p> <p><b>3.94</b></p> <p>(5th percentile of baseline data for bottom layer)</p> | <p><u>Surface &amp; Middle:</u></p> <p><b>3.88</b></p> <p>(1st percentile of baseline data for surface and middle layer)</p> <p><u>Bottom:</u></p> <p><b>2.00</b></p>                                   |
| Suspended Solids (SS) in mg/L <sup>(2)</sup> | <p><b>13.80</b></p> <p>(95th percentile of baseline data)</p> <p>or</p> <p>120% of upstream control station's SS at the same tide of the same day</p>   | <p><b>18.70</b></p> <p>(99th percentile of baseline data)</p> <p>or</p> <p>130% of upstream control station's SS at the same tide of the same day</p>   |
| Turbidity in NTU <sup>(2)</sup>              | <p><b>7.00</b></p> <p>(95th percentile of baseline data)</p> <p>or</p> <p>120% of upstream control station's Turbidity at the same tide of the same day</p>   | <p><b>8.40</b></p> <p>(99th percentile of baseline data)</p> <p>or</p> <p>130% of upstream control station's Turbidity at the same tide of the same day</p>   |
| Copper in µg/L <sup>(2)</sup>                | <p><b>2.00</b></p> <p>(95th percentile of baseline data)</p> <p>or</p> <p>120% of upstream control station's nutrient level at the same tide of the same day</p>  | <p><b>3.00</b></p> <p>(99th percentile of baseline data)</p> <p>or</p> <p>130% of upstream control station's nutrient level at the same tide of the same day</p> <p>or</p> <p>whichever is the less</p> |
| Total PAH in µg/L <sup>(2)</sup>             | <p><b>1.60</b></p> <p>(95th percentile of baseline data)</p> <p>or</p> <p>120% of upstream control station's nutrient level at the same tide of the same day</p>  | <p><b>1.60</b></p> <p>(99th percentile of baseline data) or</p> <p>130% of upstream control station's nutrient level at the same tide of the same day</p> <p>or</p> <p>whichever is the less</p>        |

Note: 1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

2. For turbidity, SS, Copper and Total PAH, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.