## *Annex F1* *Event and Action Plan for Water Quality Monitoring during Construction Phase*

| | Action | | | |
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| **Event** | **ET** [1] | **IEC** [1] | **ER** [1] | **Contractor(s)** |
| **Action Level** Exceedance by one sampling day | 1. Repeat *in situ* measurement to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC and Contractor<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5. Discuss mitigation measure with IEC and Contractor; and<br>6. Repeat measurement on next day of exceedance | 1. Discuss with ET and Contractor on the mitigations measures;<br>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and<br>3. Assess the effectiveness of the implemented mitigation measures | 1. Discuss with IEC on the proposed mitigation measures; and<br>2. Make agreement on the mitigation measures to be implemented | 1. Inform the ER and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Check all plant and equipment<br>4. Consider changes of working methods;<br>5. Discuss with ET and IEC and propose mitigation measures to IEC and ER; and<br>6. Implement the agreed mitigation measures. |
| Exceedance for two or more consecutive sampling days | 1. Repeat in-situ measurement to confirm finding;<br>2. Identify source(s) of impact;<br>3. Inform IEC and Contractor;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5. Discuss mitigation measure with IEC and Contractor; | 1. Discuss with ET and Contractor on the mitigation measures;<br>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and<br>3. Assess the effectiveness of the implemented mitigation measures | 1. Discuss with IEC on the proposed mitigation measures;<br>2. Make agreement on mitigation measures to be implemented; and<br>3. Assess the effectiveness of the implemented mitigation measures | 1. Inform the Engineer and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Check all plant and equipment<br>4. Consider changes of working methods;<br>5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; and |

| Event | Action | | | |
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| | **ET** [1] | **IEC** [1] | **ER** [1] | **Contractor(s)** |
| | 6. Ensure mitigation measures are implemented | | | 6. Implement the agreed mitigation measures. |
| | 7. Prepare to increase the monitoring frequency to daily; and | | | |
| | 8. Repeat measurement on next day of exceedance. | | | |
| **Limit Level** | | | | |
| Exceedance by one sampling day | 1. Repeat *in situ* measurement to confirm findings; | 1. Discuss with ET and Contractor on the mitigations measures; | 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; | 1. Inform the Engineer and confirm notification of the non-compliance in writing; |
| | 2. Identify source(s) of impact; | 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and | 2. Request Contractor to critically review the working methods | 2. Rectify unacceptable practice; |
| | 3. Inform IEC and Contractor and EPD | 3. Assess the effectiveness of the implemented mitigation measures | 3. Make agreement on mitigation measures to be implemented; and | 3. Check all plant and equipment |
| | 4. Check monitoring data, all plant, equipment and Contractor's working methods; | | 4. Assess the effectiveness of the implemented mitigation measures | 4. Consider changes of working methods; |
| | 5. Discuss mitigation measure with IEC and Contractor; | | | 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; and |
| | 6. Repeat measurement on next day of exceedance | | | 6. Implement the agreed mitigation measures. |
| | 7. Increase the monitoring frequency to daily until no exceedance of Limit Level | | | |
| Exceedance two or more consecutive sampling days | 1. Repeat *in situ* measurement to confirm findings; | 1. Discuss with ET and Contractor on the mitigations measures; | 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; | 1. Inform the ER and confirm notification of the non-compliance in writing; |
| | 2. Identify source(s) of impact; | 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and | 2. Request Contractor to critically review the working methods | 2. Rectify unacceptable practice; |

| Event | Action | | | |
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| | **ET** [1] | **IEC** [1] | **ER** [1] | **Contractor(s)** |
| | 3. Inform IEC and Contractor and EPD | 3. Assess the effectiveness of the implemented mitigation measures | 3. Make agreement on mitigation measures to be implemented; | 3. Check all plant and equipment |
| | 4. Check monitoring data, all plant, equipment and Contractor's working methods; | | 4. Assess the effectiveness of the implemented mitigation measures; and | 4. Consider changes of working methods; |
| | 5. Discuss mitigation measure with IEC, ER and Contractor; | | 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level | 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; |
| | 6. Ensure mitigation measures are implemented; and | | | 6. Implement the agreed mitigation measures; and |
| | 7. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days | | | 7. As directed by the Engineer, to slow down or to stop all to part of the marine work or construction activities. |

Note: [1] ET – Environmental Team, IEC – Independent Environmental Checker, ER – Engineer's Representative