

## **4.7 Event and Action Plan for Water Quality**

- 4.7.1** The water quality criteria, namely Action and Limit levels are shown in **Table 4.4**. Should the monitoring results of the water quality parameters at any designated monitoring stations indicate that the water quality criteria are exceeded, the actions in accordance with the Action Plan in **Table 4.5** should be carried out.

**Table 4.5 Event and Action Plan for Construction Phase Water Quality**

Event	EMT	EAT	ER	Contractor
Action level being exceeded by one sampling day	<ul style="list-style-type: none"> <li>Repeat in-situ measurement on next day of exceedance to confirm findings;</li> <li>Identify source(s) of impact;</li> <li>Inform EAT and Contractor;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods; and</li> <li>Discuss mitigation measures with ER and Contractor.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with EMT and Contractor on the mitigation measures;</li> <li>Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of non-compliance in writing;</li> <li>Discuss with EAT, EMT and Contractor on the proposed mitigation measures;</li> <li>Make agreement on the mitigation measures to be implemented;</li> <li>Assess the effectiveness of the implemented mitigation measures; and</li> <li>Ensure mitigation measures are implemented.</li> </ul>	<ul style="list-style-type: none"> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Consider changes of working methods;</li> <li>Discuss with EMT and EAT and propose mitigation measures to EAT and ER; and</li> <li>Implement the agreed mitigation measures.</li> </ul>
Action level being exceeded by two or more consecutive sampling days	<ul style="list-style-type: none"> <li>Repeat in-situ measurement on next day of exceedance to confirm findings;</li> <li>Identify source(s) of impact;</li> <li>Inform EAT and Contractor and ER;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with EAT, ER and Contractor;</li> <li>Ensure mitigation measures are implemented; and</li> <li>Prepare to increase the monitoring frequency to daily until no exceedance of Action level.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring data submitted by EMT and Contractor's working methods;</li> <li>Discuss with EMT and Contractor on working methods and remedial actions;</li> <li>Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and</li> <li>Supervise and assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of non-compliance in writing;</li> <li>Discuss with EAT, EMT and Contractor on the proposed mitigation measures;</li> <li>Make agreement on the mitigation measures to be implemented;</li> <li>Assess the effectiveness of the implemented mitigation measures; and</li> <li>Ensure mitigation measures are implemented.</li> </ul>	<ul style="list-style-type: none"> <li>Inform the Engineer and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Consider changes of working methods;</li> <li>Discuss with EMT and EAT and propose mitigation measures to ER and EAT within 3 working days; and</li> <li>Implement the agreed mitigation measures.</li> </ul>

**Table 4.5 Event and Action Plan for Construction Phase Water Quality (Continued)**

Event	EMT	EAT	ER	Contractor
Limit level being exceeded by one sampling day	<ul style="list-style-type: none"> <li>Repeat in-situ measurement on next day of exceedance to confirm findings;</li> <li>Identify source(s) of impact;</li> <li>Inform EAT, Contractor, ER and EPD;</li> <li>Inform WSD if exceedance is detected at WSD's seawater intake;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with EAT, ER and Contractor;</li> <li>Ensure mitigation measures are implemented; and</li> <li>Increase the monitoring frequency to daily until no exceedance of Limit level.</li> </ul>	<ul style="list-style-type: none"> <li>Checking monitoring data submitted by EMT and Contractor's working method;</li> <li>Discuss with EMT and Contractor on the possible mitigation measures;</li> <li>Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; and</li> <li>Supervise the implementation of mitigation measures and assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of non-compliance in writing;</li> <li>Discuss with EAT, EMT and Contractor on the proposed mitigation measures;</li> <li>Request Contractor to critically review the working methods;</li> <li>Make agreement on the mitigation measures to be implemented;</li> <li>Ensure mitigation measures are properly implemented; and</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Consider changes of working methods;</li> <li>Discuss with EMT, EAT and ER and propose mitigation measures to ER and EAT within 3 working days; and</li> <li>Implement the agreed mitigation measures.</li> </ul>
Limit level being exceeded by two or more consecutive sampling days	<ul style="list-style-type: none"> <li>Repeat in-situ measurement to confirm findings;</li> <li>Identify source(s) of impact;</li> <li>Inform EAT, Contractor, ER and EPD;</li> <li>Inform WSD if exceedance is detected at WSD's seawater intake;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with EAT, ER and Contractor;</li> <li>Ensure mitigation measures are implemented; and</li> <li>Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.</li> </ul>	<ul style="list-style-type: none"> <li>Checking monitoring data submitted by EMT and Contractor's working method;</li> <li>Discuss with EMT, ER and Contractor on the possible mitigation measures;</li> <li>Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; and</li> <li>Supervise the implementation of mitigation measures and assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of non-compliance in writing;</li> <li>Discuss with EAT, EMT and Contractor on the proposed mitigation measures;</li> <li>Request Contractor to critically review the working methods;</li> <li>Make agreement on the mitigation measures to be implemented;</li> <li>Ensure mitigation measures are properly implemented;</li> <li>Assess the effectiveness of the implemented mitigation measures; and</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Inform the Engineer and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Consider changes of working methods;</li> <li>Discuss with EMT, EAT and ER and propose mitigation measures to ER and EAT within 3 working days;</li> <li>Implement the agreed mitigation measures;</li> <li>Resubmit proposals of mitigation measures if problem could not be rectified;</li> <li>As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities until no exceedance of Limit level.</li> </ul>