

# Appendix E: Event and Action Plans

## Appendix E1: Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	AAHK/PM	Contractor
Action level exceedance for one sample	<ul style="list-style-type: none"> <li>Repeat measurement to confirm finding;</li> <li>If exceedance is confirmed, inform Contractor, IEC and AAHK/PM.</li> <li>Identify sources, investigate the causes of exceedance and propose remedial measures.</li> <li>Discuss with the Contractor, IEC and AAHK/PM on the remedial measures required.</li> <li>Increase monitoring frequency to daily.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring data submitted by ET.</li> <li>Check Contractor's working methods.</li> <li>Discuss with ET, AAHK/PM and Contractor on possible remedial measures.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of the proposed remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of exceedance in writing.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s), investigate the causes of exceedance and propose remedial measures.</li> <li>Implement remedial measures.</li> <li>Amend working methods agreed with the AAHK/PM as appropriate.</li> </ul>
Action level exceedance for two or more consecutive samples	<ul style="list-style-type: none"> <li>Repeat measurements to confirm findings.</li> <li>If exceedance is confirmed, inform Contractor, IEC and AAHK/PM.</li> <li>Identify sources, investigate the causes of exceedance and propose remedial measures.</li> <li>Advise the Contractor and AAHK/PM on the effectiveness of the proposed remedial measures;</li> <li>Increase monitoring frequency to daily.</li> <li>If exceedance continues, arrange meeting with the IEC, Contractor and AAHK/PM to discuss measures to be taken.</li> <li>If exceedance stops, cease additional monitoring.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring data submitted by ET.</li> <li>Check the Contractor's working methods.</li> <li>Discuss with the ET, AAHK/PM and Contractor on possible remedial measures.</li> <li>Review and advise ET, AAHK/PM on the effectiveness of proposed remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of exceedance in writing.</li> <li>In consultation with ET and IEC agree with Contractor on the remedial measures to be implemented.</li> <li>Supervise implementation of remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s), investigate the causes of exceedance and propose remedial measures.</li> <li>Submit proposals for remedial measures to AAHK/PM, ET and IEC within 3 working days of notification for agreement.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal as appropriate.</li> </ul>

Event	Action			
	ET	IEC	AAHK/PM	Contractor
Limit level exceedance for one sample	<ul style="list-style-type: none"> <li>Repeat measurement to confirm finding.</li> <li>If exceedance is confirmed, inform IEC, AAHK/PM, Contractor and EPD.</li> <li>Increase monitoring frequency to daily.</li> <li>Discuss with the AAHK/PM, IEC and Contractor on the remedial measures and assess effectiveness.</li> <li>Keep IEC, AAHK/PM and EPD informed of the results of the effectiveness of remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring data submitted by ET.</li> <li>Check Contractor's working methods.</li> <li>Discuss with the ET, AAHK/PM and Contractor on possible remedial measures.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of the proposed remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of the notification of exceedance in writing.</li> <li>Review and agree on the remedial measures proposed by Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> <li>Supervise implementation of remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s), investigate the causes of exceedance and propose remedial measures.</li> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial measures to AAHK/PM, ET and IEC within 3 working days of notification for agreement.</li> <li>Implement the agreed proposals.</li> <li>Amend proposals as appropriate.</li> </ul>
Limit level exceedance for two or more consecutive samples	<ul style="list-style-type: none"> <li>Repeat measurements to confirm findings.</li> <li>If exceedance is confirmed, inform IEC, AAHK/PM, Contractor and EPD.</li> <li>Increase monitoring frequency to daily.</li> <li>Carry out analysis of the Contractor's working procedures to determine the possible mitigation to be implemented.</li> <li>Arrange meeting with IEC and AAHK/PM to discuss the remedial measures to be taken.</li> <li>Assess the effectiveness of the Contractor's remedial measures and keep the IEC, EPD and AAHK/PM informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring data submitted by ET</li> <li>Discuss amongst AAHK/PM, ET and Contractor on the potential remedial measures.</li> <li>Review the Contractor's remedial action whenever necessary to assure their effectiveness and advise AAHK/PM and ET accordingly.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of the notification of exceedance in writing.</li> <li>In consultation with IEC and ET, agree with Contractor on the remedial measures to be implemented.</li> <li>Supervise the implementation of remedial measures to be implemented.</li> <li>If exceedance continues, consider what portion of works is responsible and instruct the Contractor to stop that portion of works until the exceedance is abated.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s), investigate the causes of exceedance and propose remedial measures.</li> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial measures to the AAHK/PM and copy to the IEC and ET within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Review and resubmit proposals if problems still not under control.</li> <li>Stop the relevant portion of works as determined by AAHK/PM until the exceedance is abated.</li> </ul>

Note: ET – Environmental Team; PM – Project Manager; IEC – Independent Environmental Checker; AAHK – Airport Authority Hong Kong

## Appendix E2: Event and Action Plan for Construction Noise

Event	Action			
	ET	IEC	AAHK/PM	Contractor
Action Level	<ul style="list-style-type: none"> <li>Notify IEC, AAHK/PM and Contractor.</li> <li>Identify source and carry out investigation.</li> <li>Report the results of investigation to the IEC and Contractor.</li> <li>Discuss jointly with the AAHK/PM and Contractor and formulate remedial measures.</li> <li>Increase the monitoring frequency to check the effectiveness of mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Review the analysed results submitted by ET.</li> <li>Review the construction methods and proposed remedial measures by the Contractor, and advise the ET and AAHK/PM accordingly.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of the notification of failure in writing.</li> <li>Notify Contractor.</li> <li>Require Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source, and carry out investigation and report the investigation to ET, IEC and AAHK/PM.</li> <li>Submit noise mitigation proposals to ET, IEC and AAHK/PM.</li> <li>Implement noise mitigation proposals.</li> </ul>
Limit Level	<ul style="list-style-type: none"> <li>Notify IEC, AAHK/PM, Contractor and EPD.</li> <li>Identify sources and carry out investigation.</li> <li>Repeat measurements to confirm findings.</li> <li>Increase the monitoring frequency.</li> <li>Carry out analysis of the Contractor's working procedures to determine possible mitigations to be implemented.</li> <li>Record and inform IEC, AAHK/PM and EPD the causes and action taken for the exceedances.</li> <li>Assess the effectiveness of the Contractor's remedial action and keep the IEC, AAHK/PM and EPD informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ul>	<ul style="list-style-type: none"> <li>Check monitoring results and discuss amongst the AAHK/PM, ET and Contractor on the potential remedial actions.</li> <li>Ensure remedial measures implemented properly.</li> <li>Review Contractor remedial actions whenever necessary to assure their effectiveness and advise the AAHK/PM accordingly.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm receipt of notification of exceedance in writing.</li> <li>Notify Contractor.</li> <li>Require Contractor to propose remedial measures for the analysed noise problems.</li> <li>Ensure remedial measures are properly implemented.</li> <li>If exceedance continues, consider what portion of work is responsible and instruct the Contractor to stop that portion of works until the exceedance is abated.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source, and carry out investigation and report the investigation to ET, IEC and AAHK/PM.</li> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to ET, IEC and AAHK/PM within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Resubmit proposals if problems still not under control.</li> <li>Stop the relevant portion of works as determined by the AAHK/PM until the exceedance is abated.</li> </ul>

Note: ET – Environmental Team; PM – Project Manager; IEC – Independent Environmental Checker; AAHK – Airport Authority Hong Kong

### Appendix E3: Event and Action Plan for Water Quality

Event	Action			
	ET	IEC	AAHK/PM	Contractor
Action level exceedance for one sample	<ul style="list-style-type: none"> <li>Inform IEC, Contractor and AAHK/PM.</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods.</li> <li>Discuss mitigation measures with IEC, Contractor and AAHK/PM.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with ET, Contractor and AAHK/PM on the mitigation measures.</li> <li>Review proposals on mitigation measures submitted by Contractor and advise AAHK/PM accordingly.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with IEC, ET and Contractor on the implemented mitigation measures.</li> <li>Make agreement on the mitigation measures to be implemented.</li> <li>Supervise the implementation of agreed remedial measures.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s) of impact.</li> <li>Inform AAHK/PM 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 ET, IEC and AAHK/PM and propose mitigation measures to IEC and AAHK/PM.</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>Inform IEC, Contractor and AAHK/PM.</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods.</li> <li>Discuss mitigation measures with IEC, Contractor and AAHK/PM.</li> <li>Ensure mitigation measures are implemented.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with ET, Contractor and AAHK/PM on the mitigation measures.</li> <li>Review the proposed mitigation measures submitted by Contractor and advise the AAHK/PM accordingly.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with ET, IEC and Contractor on the proposed mitigation measures.</li> <li>Make agreement on the mitigation measures to be implemented.</li> <li>Discuss with ET, IEC and Contractor on the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s) of impact.</li> <li>Inform AAHK/PM 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 ET, IEC and AAHK/PM and submit proposal of mitigation measures to IEC and AAHK/PM within 3 working days of notification.</li> <li>Implement the agreed mitigation measures.</li> </ul>

Event	Action			
	ET	IEC	AAHK/PM	Contractor
Limit level exceedance for one sample	<ul style="list-style-type: none"> <li>Repeat measurement on next day of exceedance to confirm findings.</li> <li>Inform IEC, Contractor and AAHK/PM.</li> <li>Rectify unacceptable practice.</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods.</li> <li>Discuss mitigation measures with IEC, AAHK/PM and Contractor.</li> <li>Ensure the agreed mitigation measures are implemented.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with ET, Contractor and AAHK/PM on the implemented mitigation measures.</li> <li>Review the proposed mitigation measures submitted by Contractor and advise the AAHK/PM accordingly.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with IEC, ET and Contractor on the implemented 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>Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s) of impact.</li> <li>Inform AAHK/PM 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 ET, IEC and AAHK/PM and submit proposal of additional mitigation measures to IEC and AAHK/PM within 3 working days of notification.</li> <li>Implement the agreed mitigation measures.</li> </ul>
Limit level exceedance for two or more consecutive samples	<ul style="list-style-type: none"> <li>Inform IEC, Contractor, AAHK / PM;</li> <li>Identify reasons for non-compliance and source(s) of impact;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with IEC, AAHK / PM and Contractor;</li> <li>Ensure mitigation measures are implemented;</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>Discuss with ET, Contractor and AAHK/PM on the implemented mitigation measures.</li> <li>Review the proposed mitigation measures submitted by Contractor and advise AAHK/PM accordingly.</li> <li>Review and advise ET and AAHK/PM on the effectiveness of implemented mitigation measures.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss with IEC, ET and Contractor on the implemented 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>Discuss with ET and IEC on the effectiveness of the implemented mitigation measures.</li> <li>Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.</li> </ul>	<ul style="list-style-type: none"> <li>Identify source(s) of impact.</li> <li>Inform AAHK/PM and confirm notification of non-compliance in writing.</li> <li>Rectify unacceptable practices.</li> <li>Check all plant and equipment.</li> <li>Consider changes of working method.</li> <li>Discuss with ET, IEC and AAHK/PM and submit proposal of additional mitigation measures to IEC and AAHK/PM within 3 working days of notification</li> <li>Implement the agreed mitigation measures;</li> <li>As directed by the AAHK/PM, to slow down or to stop all or part of the construction activities.</li> </ul>

Note: ET – Environmental Team; PM – Project Manager; IEC – Independent Environmental Checker; AAHK – Airport Authority Hong Kong