

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

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

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

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"> Inform IEC, Contractor and AAHK/PM. Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC, Contractor and AAHK/PM. 	<ul style="list-style-type: none"> Discuss with ET, Contractor and AAHK/PM on the mitigation measures. Review proposals on mitigation measures submitted by Contractor and advise AAHK/PM accordingly. Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures. 	<ul style="list-style-type: none"> Discuss with IEC, ET and Contractor on the implemented mitigation measures. Make agreement on the mitigation measures to be implemented. Supervise the implementation of agreed remedial measures. 	<ul style="list-style-type: none"> Identify source(s) of impact. Inform AAHK/PM and confirm notification of the non-compliance in writing. Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods. Discuss with ET, IEC and AAHK/PM and propose mitigation measures to IEC and AAHK/PM. Implement the agreed mitigation measures.
Action level being exceeded by two or more consecutive sampling days	<ul style="list-style-type: none"> Repeat in-situ measurement on next day of exceedance to confirm findings. Inform IEC, Contractor and AAHK/PM. Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC, Contractor and AAHK/PM. Ensure mitigation measures are implemented. 	<ul style="list-style-type: none"> Discuss with ET, Contractor and AAHK/PM on the mitigation measures. Review the proposed mitigation measures submitted by Contractor and advise the AAHK/PM accordingly. Review and advise ET and AAHK/PM on the effectiveness of the implemented mitigation measures. 	<ul style="list-style-type: none"> Discuss with ET, IEC and Contractor on the proposed mitigation measures. Make agreement on the mitigation measures to be implemented. Discuss with ET, IEC and Contractor on the effectiveness of the implemented mitigation measures. 	<ul style="list-style-type: none"> Identify source(s) of impact. Inform AAHK/PM and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plant and equipment. Consider changes of working methods. Discuss with ET, IEC and AAHK/PM and submit proposal of mitigation measures to IEC and AAHK/PM within 3 working days of notification. Implement the agreed mitigation measures.

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

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