

Appendix C Summary of Event and Action Plan



Event and Action Plan for Air Quality

Event	Action			
	ET Leader	IEC	ER	Contractor
Action level being exceeded by one sampling day	 Identify source; Inform IEC and ER; 	 Check monitoring data submitted by ET; 	1. Notify Contractor.	1. Rectify any unacceptable practice;
	 Repeat measurement to confirm finding; 	2. Check Contractor's working method.		 Amend working methods if appropriate.
	 Increase monitoring frequency to daily. 			
Action level being	1. Identify source;	1. Check monitoring data submitted	 Confirm receipt of notification of failure in writing; 	1. Submit proposals for remedial
exceeded by two or more consecutive	2. Inform IEC and ER;	by ET;		actions to IEC within 3 working
sampling days	 Repeat measurements to confirm findings; 	 Check Contractor's working method; 	 Notify Contractor; Ensure remedial measures 	days of notification;2. Implement the agreed proposals;
	 Increase monitoring frequency to daily; 	3. Discuss with ET and Contractor on possible remedial measures;	properly implemented.	3. Amend proposal if appropriate.
	 Discuss with IEC and Contractor on remedial actions required; 	 Advise the ER on the effectiveness of the proposed remedial measures; 		
	 If exceedance continues, arrange meeting with IEC and ER; 	5. Supervise Implementation of remedial measures.		
	7. If exceedance stops, cease additional monitoring.			

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Event	Action			
	ET Leader	IEC	ER	Contractor
Limit level being exceeded by one sampling day	 Identify source; Inform IEC, ER, Contractor and 	1. Check monitoring data submitted by ET;	1. Confirm receipt of notification of exceedance in writing;	1. Take immediate action to avoid further exceedance;
	 EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and 	 Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise ER on the effectiveness of the proposed remedial measures; Supervise implementation of 	 Notify Contractor; Ensure remedial measures properly implemented. 	 Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate.
Limit lough hoing	keep IEC, EPD and ER informed of the results.	remedial measures.		
Limit level being exceeded by two or	1. Notify IEC, ER, Contractor, and EPD;	1. Discus amongst ER, ET, and Contractor on the potential	1. Confirm receipt of notification of exceedance in writing;	 Take immediate action to avoid further exceedance;
more consecutive sampling days	2. Identify source;	remedial actions;	2. Notify Contractor;	2. Submit proposals for remedial
sampling days	3. Repeat measurement to confirm findings;	2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and	3. In consultation with the IEC, agree with the Contractor on the	actions to IEC within 3 working days of notification;
	4. Increase frequency to daily;	advise ER accordingly;	remedial measures to be	3. Implement the agreed proposals;
	5. Analyse Contractor's working procedures to determine possible	 Supervise the implementation of remedial measures. 	 implemented; 4. Ensure remedial measures properly implemented; 	 Resubmit proposals if proble still not under control;
	mitigation to be;			5. Stop the relevant portion of works
	6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken;		5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of	as determined by ER until the exceedance is abated.
	 Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 		work until the exceedance is abated.	
	8. If exceedance stops, cease additional monitoring.			



Event and Action Plan for Noise Quality

Event	Action				
	ET Leader	IEC	ER	Contractor	
Action Level	 Notify IEC and the Contractor. Carry out investigation. 	1. Review with analysed results submitted by ET.	1. Confirm receipt of notification of failure in writing.	1. Submit noise mitigation proposals to IEC.	
	 Coarry out investigation. Report the results of investigation to IEC and the Contractor. Discuss with the Contractor and formulate remedial measures. Increase monitoring frequency to check mitigation effectiveness. 	 Review the proposed remedial measures by the Contractor and advise ER accordingly. Supervise the implement of remedial measures. 	 Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. 	 Implement noise mitigation proposals. 	
Limit Level	 Notify IEC, ER, EPD and the Contractor. Identify the source. Repeat measurement to confirm findings. Increase monitoring frequency. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. Inform IEC, ER, and EPD the causes & actions taken for the exceedances. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results. If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly. Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. 	 Take immediate action to avoid further exceedance. Submit proposals for remedial actions to IEC within 3 working days of notification. Implement the agreed proposals. Resubmit proposals if problem still not under control. Stop the relevant activity of works as determined by the ER until the exceedance is abated. 	



Event and Action Plan for Water Quality

Event	Action			
	ET Leader	IEC	ER	Contractor
Action level being exceeded by one sampling day	 Repeat in-situ measurement on next day of exceedance to confirm findings; 	 Check monitoring data submitted by ET & Contractor's working methods; 	1. Confirm receipt of notification of failure in writing; Notify, Contractor	 Inform the ER & confirm notification of the non-compliance in writing;
	Identify source(s) of impact;			2. Rectify unacceptable practice;
	3. Inform IEC, Contractor & ER;			3. Amend working methods if
	 Check monitoring data, all plant, equipment & contractor's working methods; 			appropriate.
Action level being exceeded by two or more consecutive	 Repeat measurement on next day of exceedance to confirm findings; 	 Checking monitoring data submitted by ET & Contractor's working method; 	 Discuss with IEC on the proposed mitigation measures; Ensure mitigation measures 	 Inform the Engineer & confirm notification of the non-compliance in writing;
sampling days	2. Identify source(s) of impact;	2. Discuss with ET & Contractor on	properly implemented;	2. Rectify unacceptable practice;
	3. Inform IEC, Contractor, ER & EPD;	3. Review the proposed mitigation		3. Check all plant & equipment & consider changes of working
	4. Check monitoring data, all plant,		measures.	methods;
	equipment & Contractor's working methods;	accordingly;		4. Submit proposal of mitigation measures to ER within 3 working
	 Discuss mitigation measures with IEC, ER & Contractor; 	4. Supervise the implementation of mitigation measures.		days of notification & discuss with ET, IEC & ER;
	 Ensure mitigation measures are implemented; 			5. Implement the agreed mitigation measures.
	 Increase monitoring to daily until no exceedance of Action level. 			

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Event	Action			
	ET Leader	IEC	ER	Contractor
Limit level being exceeded by one sampling day	 Repeat measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor, ER & EPD; Check monitoring data, all plant, equipment & contractor's working methods; Discuss mitigation measures with IEC, Contractor & ER. 	 Checking monitoring data submitted by ET & Contractor's working method; Discuss with ET & Contractor on the possible mitigation measures; Review the proposed mitigation measures submitted by Contractor & advise the ER accordingly. 	 Confirm receipt of notification of failure in writing; Discuss with IEC, ET & Contractor on the proposed mitigation measures; Request Contractor to review the working methods. 	 Inform the ER & confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant & equipment & consider changes of working methods; Submit proposal of mitigation measures to ER within 3 working days of notification & discuss with ET, IEC & ER.
Limit level being exceeded by two or more consecutive sampling days	 Repeat measurement on the next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, Contractor, ER & EPD; Check monitoring data, all plant, equipment & Contractor's working methods; Discuss mitigation measures within IEC, Contractor & ER; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. 	 Checking monitoring data submitted by ET & Contractor's working method; Discuss with ET & Contractor on potential remedial actions; Review Contractor's mitigation measures whenever necessary to assure their effectiveness & advise the ER accordingly; Supervise the implementation of mitigation measures. 	review the working methods;	 Take immediate action to avoid further exceedance; Submit proposal of mitigation measures to ER within 3 working days of notification & discuss with ET, IEC & ER; Implement the agreed mitigation measures; Resubmit proposals of mitigation measures if problem still not under control; As directed by the Engineer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level.