

## Appendix G 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	<ol> <li>Identify source;</li> </ol>	Check monitoring data submitted	<ol> <li>Notify Contractor.</li> </ol>	1. Rectify any unacceptable
	2. Inform IEC and ER;	by ET;		practice;
	3. Repeat measurement to confirm finding;	Check Contractor's working method.		Amend working methods if appropriate.
	4. Increase monitoring frequency to daily.			
Action level being	<ol> <li>Identify source;</li> </ol>	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	3. Repeat measurements to confirm	2. Check Contractor's working	<ol><li>Notify Contractor;</li></ol>	days of notification;
	findings;	method;	Ensure remedial measures properly implemented.	<ul><li>2. Implement the agreed proposals;</li><li>3. Amend proposal if appropriate.</li></ul>
	<ol> <li>Increase monitoring frequency to daily;</li> </ol>	Discuss with ET and Contractor on possible remedial measures;		
	5. Discuss with IEC and Contractor on remedial actions required;	Advise the ER on the effectiveness of the proposed remedial measures:		
	6. If exceedance continues, arrange meeting with IEC and ER;	Supervise Implementation of remedial measures.		
	7. If exceedance stops, cease additional monitoring.			



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



## **Event and Action Plan for Noise**

Event	Action	Action				
	ET Leader	IEC	ER	Contractor		
Action Level	<ol> <li>Notify IEC and the Contractor.</li> <li>Carry out investigation.</li> </ol>	Review with analysed results submitted by ET.	Confirm receipt of notification of failure in writing.	Submit noise mitigation proposals to IEC.		
	Report the results of investigation to IEC and the Contractor.	Review the proposed remedial measures by the Contractor and advise ER accordingly.	<ol> <li>Notify the Contractor.</li> <li>Require the Contractor to</li> </ol>	Implement noise mitigation proposals.		
	Discuss with the Contractor and formulate remedial measures.	Supervise the implement of remedial measures.	propose remedial measures for the analysed noise problem.			
	5. Increase monitoring frequency to check mitigation effectiveness.	remediai measures.	Ensure remedial measures are properly implemented.			
Limit Level	Notify IEC, ER, EPD and the Contractor.	Discuss amongst ER, ET Leader and the Contractor on the	Confirm receipt of notification of failure in writing.	Take immediate action to avoid further exceedance.		
	2. Identify the source.	potential remedial actions.	2. Notify the Contractor.	2. Submit proposals for remedial		
	Repeat measurement to confirm findings.	Review the Contractor's remedial actions whenever necessary to	Require the Contractor to propose remedial measures for	actions to IEC within 3 working days of notification.		
	4. Increase monitoring frequency.	assure their effectiveness and advise ER accordingly.	the analysed noise problem.	3. Implement the agreed proposals.		
	Carry out analysis of Contractor's working procedures to determine	Supervise the implementation of remedial measures.	Ensure remedial measures are properly implemented.	4. Resubmit proposals if problem still not under control.		
	possible mitigation to be implemented.	remedial measures.	5. If exceedance continues, consider what activity of the	5. Stop the relevant activity of works as determined by the ER until the		
	<ol><li>Inform IEC, ER, and EPD the causes &amp; actions taken for the exceedances.</li></ol>		work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.	exceedance is abated.		
	7. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results.		asaroa.			
	If exceedance stops, cease additional monitoring.					



**Event and Action Plan for Water Quality** 

Event and Action Plan	,				
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;	Confirm receipt of notification of failure in writing; Notify, Contractor	Inform the ER & confirm notification of the non-compliance in writing;	
	<ol><li>Identify source(s) of impact;</li></ol>			2. Rectify unacceptable practice;	
	3. Inform IEC, Contractor & ER;			3. Amend working methods if	
	<ol> <li>Check monitoring data, all plant, equipment &amp; contractor's working methods;</li> </ol>			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;	<ol> <li>Discuss with IEC on the proposed mitigation measures;</li> <li>Ensure mitigation measures</li> </ol>	Inform the Engineer & confirm notification of the non-compliance in writing;	
sampling days	<ol><li>Identify source(s) of impact;</li></ol>	2. Discuss with ET & Contractor on	properly implemented;	2. Rectify unacceptable practice;	
	3. Inform IEC, Contractor, ER & EPD;	possible remedial actions;  3. Review the proposed mitigation	Assess the effectiveness of the implemented mitigation measures.	Check all plant & equipment & consider changes of working	
	4. Check monitoring data, all plant,	measures submitted by Contractor & advise the ER		methods;	
	equipment & Contractor's working methods;	accordingly;		Submit proposal of mitigation measures to ER within 3 working	
	<ol><li>Discuss mitigation measures with IEC, ER &amp; Contractor;</li></ol>	<ol> <li>Supervise the implementation of mitigation measures.</li> </ol>		days of notification & discuss with ET, IEC & ER;	
	Ensure mitigation measures are implemented;			<ol><li>Implement the agreed mitigation measures.</li></ol>	
	7. Increase monitoring to daily until no exceedance of Action level.				



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