D. Event and Action Plan for Air Quality, Noise, Water Quality and Landscape & Visual

Air Quality

Air Quality Event	Action				
	ET Leader	IEC	ER	Contractor	
Action Level					
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures. Inform IEC and ER. Repeat measurement to confirm finding. Increase monitoring frequency to daily. 	 Check monitoring data submitted by ET. Check Contractor's working method. 	Notify Contractor.	Rectify any unacceptable practice. Amend working methods if appropriate.	
Exceedance for two or more consecutive samples	1. Identify the source. 2. Inform IEC and ER. 3. Advise ER on the effectiveness of the proposed remedial measures 4. Repeat measurements to confirm findings. 5. Increase monitoring frequency to daily. 6. Discuss with IEC and the Contractor on remedial actions required. 7. If exceedance continues, arrange meeting with IEC and ER. 8. If exceedance stops, cease additional monitoring.	 Check monitoring data submitted by ET. Check the Contractor's working method. Discuss with ET Leader and the Contractor on possible remedial measures. Advise ER on the effectiveness of the proposed remedial measures. Supervise implementation of remedial measures. 	Confirm receipt of notification of exceedance in writing. Notify the 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 Level					
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures. Inform ER and EPD. Repeat measurement to confirm finding. Increase monitoring frequency to daily. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	 Check monitoring data submitted by ET. Check the Contractor's working method. Discuss with ET Leader and the Contractor on possible remedial measures. Advise ER on the effectiveness of the proposed remedial measures. Supervise implementation of remedial measures. 	 Confirm receipt of notification of exceedance in writing. Notify the Contractor. Ensure remedial measures properly implemented. 	 Take immediate action to avoid further exceedance. Submit proposals for remedial actions to IEC within 3 working days of notification. Implement the agreed proposals. Amend proposal if appropriate. 	

Event	Action			
	ET Leader	IEC	ER	Contractor
Exceedance for two or more consecutive samples	 Notify IEC, ER, EPD and the Contractor. Identify the source. Repeat measurements to confirm findings. Increase monitoring frequency to daily. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. Arrange meeting IEC and ER to discuss the remedial actions to be taken. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results. If exceedance stops, cease additional monitoring. 	1. Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary and advise ER accordingly. 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing. 2. Notify the Contractor. 3. In consultation with IEC, agree with the remedial measures to be implemented. 4. Ensure remedial measures are properly implemented. 5. 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.	within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant

Construction Noise						
Event	Action	Action				
	ET Leader	IEC	ER	Contractor		
Action Level	 Notify IEC and the Contractor. Carry 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 measures. 	 Review with analysed results submitted by ET. Review the proposed remedial measures by the Contractor and advise ER accordingly. Supervise the implement of remedial measures. 	 Confirm receipt of notification of exceedance in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. 	Submit noise mitigation proposals to IEC. Implement noise mitigation proposals.		
Limit Level	 Identify the source. Notify IEC, ER, EPD and the Contractor. 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. 	1. Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly. 3. Supervise the implementation of remedial measures.	 Confirm receipt of notification of exceedance 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. 	1. Take immediate action to avoid further exceedance. 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the ER until the exceedance is abated.		

Water Quality

Event	Action				
	ET Leader	IEC	ER	Contractor	
Action Level					
Exceedance for one sample	1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; and 6. Repeat measurement on next day of exceedance.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and Assess the effectiveness of the implemented mitigation measures.	proposed mitigation measures; and 2. Make agreement on the mitigation measures to be implemented.	 Inform the ER 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 and IEC and propose mitigation measures to IEC and ER; and Implement the agreed mitigation measures. 	

Event Action

2. Exceedance for two or more consecutive samples

ET Leader 1. Repeat in-situ **IEC**

mitigation

measures:

2. Review proposals

measures submitted

by Contractor and

accordingly; and

effectiveness of the

on mitigation

advise the FR

implemented

3. Assess the

mitigation

measures.

- measurement to confirm 2. Identify source(s) of
- 3. Inform IEC and Contractor;

impact:

- 4. Check monitoring data, all plant, equipment and Contractor's working methods:
- 5. Discuss mitigation measures with IEC and Contractor;
- 6. Ensure mitigation measures are implemented:
- 7. Prepare to increase the monitoring frequency to daily; and
- 8. Repeat measurement on next day of exceedance.

ER

- 1. Discuss with ET and Discuss with IEC on the Contractor on the proposed mitigation
 - 2. Make agreement on the mitigation measures to be implemented; and
 - Assess the effectiveness of the implemented mitigation measures.

Contractor

- 1. Inform the Engineer and confirm notification of the non-compliance in writing;
- 2. Rectify unacceptable practice;
- 3. Check all plant and equipment;
- 4. Consider changes of working methods;
- 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days;
- 6. Implement the agreed mitigation measures.

Limit Level

- 1. Exceedance for one sample
- 1. Repeat in-situ measurement to confirm finding;
- 2. Identify source(s) of impact:
- 3. Inform IEC, Contractor and EPD;
- 4. Check monitoring data, all plant, equipment and Contractor's working methods:
- 5. Discuss mitigation measures with IEC, ER and Contractor;
- 6. Ensure mitigation measures are implemented; and
- 7. Increase the monitoring frequency to daily until no exceedance of Limit level

- Contractor on the mitigation measures;
- 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and
- 3. Assess the effectiveness of the implemented mitigation measures.
- 1. Discuss with ET and 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures: and
 - 2. Request Contractor to critically review the working methods;
 - 3. Make agreement on the mitigation measures to be implemented; and
 - 4. Assess the effectiveness of the implemented mitigation measures.
- 1. Inform the Engineer and confirm notification of the non-compliance in writing;
- 2. Rectify unacceptable practice;
- 3. Check all plant and equipment;
- 4. Consider changes of working methods:
- 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; and
- 6. Implement the agreed mitigation measures.

Event Action ET Leader IEC ER Contractor 2. Exceedance for 1. Discuss with ET and 1. Discuss with IEC, ET 1. Inform the ER and 1. Repeat in-situ measurement to confirm confirm notification of the two or more Contractor on the and Contractor on the consecutive mitigation proposed mitigation non-compliance in writing; samples measures: measures; and 2. Identify source(s) of 2. Rectify unacceptable 2. Review proposals 2. Request Contractor to impact: on mitigation critically review the practice; 3. Inform IEC, Contractor measures submitted working methods; 3. Check all plant and and EPD; by Contractor and 3. Make agreement on the equipment; 4. Check monitoring data, all advise the ER mitigation measures to 4. Consider changes of plant, equipment and accordingly; and be implemented; Contractor's working working methods; 3. Assess the methods: 4. Assess the 5. Discuss with ET and IEC effectiveness of the effectiveness of the 5. Discuss mitigation and ER and propose implemented implemented mitigation mitigation measures to measures with IEC, ER mitigation measures; and and Contractor; IEC and ER within 3 measures. 5. Consider and instruct, if working days; 6. Ensure mitigation necessary, the measures are 6. Implement the agreed Contractor to slow down implemented; and mitigation measures; and or to stop all or part of 7. Increase the monitoring 7. As directed by the the marine work until no frequency to daily until no Engineer, to slow down or exceedance of Limit exceedance of Limit level to stop all or part of the Level. for two consecutive days. marine work or construction activities.

Landscape and Visual

Event	Action				
Action Level	ET Leader	IEC	ER	Contractor	
Non-conformity on one occasion	1. Identify Source; 2. Inform the IEC and the ER; 3. Discuss remedial actions with the IEC, the ER and the Contractor; and 4. Monitor remedial actions until rectification has been completed.	1. Check report; 2. Check the Contractor's working method; 3. Discuss with the ES and the contractor on possible remedial measures; 4. Advise the ER on effectiveness of proposed remedial measures; and 5. Check implementation of remedial measures.	Notify Contractor; and Ensure remedial measures are properly implemented	Amend working methods; and Rectify damage and undertake any necessary replacement	

Event Action

Repeated Nonconformity

- 1. Identify Source;
- 2. Inform the Project Proponent, IEC and the ER. If serious noncompliance inform EPD;
- 3. Increase monitoring frequency;
- Discuss remedial actions with the IEC, the ER and the Contractor;
- 5. Monitor remedial actions until rectification has been completed; and
- 6. If exceedance stops, cease additional monitoring.

- Check monitoring report;
- 2. Check the Contractor's working method;
- 3. Discuss with the ES and the Contractor on possible remedial measures;
- 4. Advise the ER on effectiveness of proposed remedial measures; and
- 5. Supervise implementation of remedial measures.

- Notify the Contractor; and
- 2. Ensure remedial measures are properly implemented.
- Amend working methods;
- 2. Rectify damage and undertake any necessary replacement.