

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 | Identify source; | Check monitoring data submitted | Notify Contractor. | 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 | Identify source; | 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 | Notify Contractor; | days of notification; |
| | findings; | method; | Ensure remedial measures properly implemented. | 2. Implement the agreed proposals;3. Amend proposal if appropriate. |
| | Increase monitoring frequency to daily; | 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 | Identify source; Inform IEC, ER, Contractor and | Check monitoring data submitted by ET; | Confirm receipt of notification of exceedance in writing; | 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 keep IEC, EPD and ER informed of the results. | 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 remedial measures. | 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 | Notify IEC, ER, Contractor, and EPD; Identify source; Repeat measurement to confirm findings; Increase frequency to daily; Analyse Contractor's working procedures to determine possible mitigation to be; Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. | 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. | 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 portion of works as determined by ER until the exceedance is abated. |



Event and Action Plan for Noise

| Event | Action | Action | | | | |
|--------------|--|--|--|--|--|--|
| | ET Leader | IEC | ER | Contractor | | |
| Action Level | Notify IEC and the Contractor. Carry out investigation. | 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. | Notify the Contractor. Require the Contractor to | 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 | | |
| | Inform IEC, ER, and EPD the causes & actions taken for the exceedances. | | 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; | |
| | 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 | Identify source(s) of impact; | 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 | |
| | Discuss mitigation measures with IEC, ER & Contractor; | Supervise the implementation of mitigation measures. | | days of notification & discuss with ET, IEC & ER; | |
| | Ensure mitigation measures are implemented; | | | Implement the agreed mitigation measures. | |
| | 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 | 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. |