

## **MATERIALAB CONSULTANTS LIMITED**

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The logo for MaterialLab, featuring the word "MaterialLab" in a bold, sans-serif font. The text is white and is set against a black rectangular background that has horizontal bars extending from the top and bottom edges.

### **Appendix H**

#### **Events and Action Plan**

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## Event and Action Plan for Construction Dust Monitoring

EVENT	ACTION			
	ET	IEC	ER	Contractor
<b>Action Level</b>				
Exceedance for one sample.	<ol style="list-style-type: none"> <li>1. Identify sources, investigate the causes of complaint and propose remedial measures.</li> <li>2. Inform IEC and ER.</li> <li>3. Repeat measurement to confirm finding;.</li> <li>4. Increase monitoring frequency</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by the ET.</li> <li>2. Check the Contractor's working methods.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify the Contractor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Rectify any unacceptable practices.</li> <li>2. Amend working methods agreed with the ER as appropriate.</li> </ol>
Exceedance for two or more consecutive samples.	<ol style="list-style-type: none"> <li>1. Identify sources.</li> <li>2. Inform the IEC and ER.</li> <li>3. Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>4. Repeat measurements to confirm findings.</li> <li>5. Increase monitoring frequency to daily.</li> <li>6. Discuss with the IEC, ER and Contractor on remedial action required.</li> <li>7. If exceedance continues, arrange meeting with the IEC, Contractor and ER.</li> <li>8. If exceedance stops, cease additional monitoring.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by the ET.</li> <li>2. Check the Contractor's working methods.</li> <li>3. Discuss with the ET, ER and Contractor on possible remedial measures if required.</li> <li>4. Advise the ER on the effectiveness of proposed remedial measures if required.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify the Contractor.</li> <li>2. Ensure remedial measures properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit proposals for remedial action to the ER within 3 working days of notification.</li> <li>2. Implement the agreed proposals.</li> <li>3. Amend proposal as appropriate</li> </ol>
<b>Limit Level</b>				
Exceedance for one sample.	<ol style="list-style-type: none"> <li>1. Identify sources, investigate causes of exceedance and proposed remedial measures.</li> <li>2. Inform the IEC, ER, and Contractor.</li> <li>3. Repeat measurement to confirm finding.</li> <li>4. 4. Increase monitoring frequency to daily.</li> <li>5. Assess effectiveness of the Contractor's remedial action and keep the IEC and ER informed of the results</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by the ET.</li> <li>2. Check the Contractor's working methods.</li> <li>3. Discuss with the ET, ER and Contractor on possible remedial measures.</li> <li>4. Advise the ER and ET on the effectiveness of the proposed remedial measures.</li> <li>5. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of the notification of exceedance in writing.</li> <li>2. Notify the Contractor.</li> <li>3. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance.</li> <li>2. Submit proposals for remedial action to the ER and copy to the ET and IEC within 3 working days of notification.</li> <li>3. Implement the agreed proposals.</li> <li>4. Amend proposal as appropriate.</li> </ol>
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>1. Notify the IEC, ER and Contractor.</li> <li>2. Identify sources.</li> <li>3. Repeat measurements to confirm findings.</li> <li>4. Increase monitoring frequency to daily.</li> <li>5. Carry out analysis of the Contractor's working procedures with the ER to determine the possible mitigation to be implemented.</li> <li>6. Arrange meeting with the IEC and ER to</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst the ER, ET and Contractor on the potential remedial action.</li> <li>2. Review the Contractor's remedial action whenever necessary to assure their effectiveness and advise the ER and ET accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of the notification of exceedance in writing.</li> <li>2. Notify the Contractor.</li> <li>3. In consultation with the IEC and ET, agree with the Contractor on the remedial measures to be implemented.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. If exceedance</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance.</li> <li>2. Submit proposals for remedial action to the ER and copy to the IEC and ET within 3 working days of notification.</li> <li>3. Implement the agreed proposals.</li> <li>4. Resubmit proposals if problems still not under control.</li> <li>5. Stop the relevant portion of works as</li> </ol>

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EVENT	ACTION			
	ET	IEC	ER	Contractor
	<p>discuss the remedial action to be taken.</p> <p>7. Assess the effectiveness of the Contractor's remedial action and keep the IEC, EPD and ER informed of the results.</p> <p>8. If exceedance stops, cease additional monitoring</p>		<p>continues, consider what portion of works is responsible and instruct the Contractor to stop that portion of works until the exceedance is abated.</p>	<p>determined by the ER until the exceedance is abated.</p>

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## Event and Action Plan for Noise Impact

EVENT	ACTION			
	ET	IEC	ER	Contractor
Action Level	<ol style="list-style-type: none"> <li>1. Notify the IEC, ER and Contractor.</li> <li>2. Carry out investigation.</li> <li>3. Report the results of investigation to the IEC and Contractor.</li> <li>4. Discuss jointly with the ER and Contractor and formulate remedial measures.</li> <li>5. Increase the monitoring frequency to check the mitigation effectiveness</li> </ol>	<ol style="list-style-type: none"> <li>1. Review the monitoring data submitted by the ET.</li> <li>2. Review the construction methods and proposed remedial measures by the Contractor, and advise the ET and ER if the proposed remedial measures would be sufficient</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify the Contractor.</li> <li>2. Require the Contractor to propose remedial measures for implementation if required.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit noise mitigation proposals to the ER and copy to the IEC and ET.</li> <li>2. Implement noise mitigation proposals.</li> </ol>
Limit Level	<ol style="list-style-type: none"> <li>1. Notify the IEC, ER and Contractor.</li> <li>2. Identify sources.</li> <li>3. Repeat measurements to confirm findings.</li> <li>4. Carry out analysis of the Contractor's working procedures with the ER and Contractor to determine possible mitigations to be implemented.</li> <li>5. Record the causes and action taken for the exceedances.</li> <li>6. Increase the monitoring frequency.</li> <li>7. Assess the effectiveness of the Contractor's remedial action with the ER and keep the IEC informed of the results.</li> <li>8. If exceedance stops, cease additional monitoring</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst the ER, ET and Contractor on the potential remedial action.</li> <li>2. Review the Contractor's remedial action whenever necessary to assure their effectiveness and advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of exceedance in writing.</li> <li>2. Notify the Contractor.</li> <li>3. Require the Contractor to propose remedial measures for the analysed noise problems.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. 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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance.</li> <li>2. Submit proposals for remedial action to the ER and copy to the ET and IEC within 3 working days of notification.</li> <li>3. Implement the agreed proposals.</li> <li>4. Resubmit proposals if problems still not under control.</li> <li>5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>

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## Event and Action Plan for Landscape and Visual Impact

EVENT	ACTION			
	ET	IEC	ER	Contractor
Non-conformity on one occasion	<ol style="list-style-type: none"><li>1. Identify Source</li><li>2. Inform the IEC and the ER</li><li>3. Discuss remedial actions with the IEC, the ER and the Contractor</li><li>4. Monitor remedial actions until rectification has been completed</li></ol>	<ol style="list-style-type: none"><li>1. Check report</li><li>2. Check the Contractor's working method</li><li>3. Discuss with the ET and the Contractor on possible remedial measures</li><li>4. Advise the ER on effectiveness of proposed remedial measures.</li><li>5. Check implementation of remedial measures.</li></ol>	<ol style="list-style-type: none"><li>1. Notify Contractor</li><li>2. Ensure remedial measures are properly implemented</li></ol>	<ol style="list-style-type: none"><li>1. Amend working methods</li><li>2. Rectify damage and undertake any necessary replacement</li></ol>
Repeated Non-conformity	<ol style="list-style-type: none"><li>1. Identify Source</li><li>2. Inform the IEC and the ER</li><li>3. Increase monitoring frequency</li><li>4. Discuss remedial actions with the IEC, the ER and the Contractor</li><li>5. Monitor remedial actions until rectification has been completed</li><li>6. If exceedance stops, cease additional monitoring</li></ol>	<ol style="list-style-type: none"><li>1. Check monitoring report</li><li>2. Check the Contractor's working method</li><li>3. Discuss with the ET and the Contractor on possible remedial measures</li><li>4. Advise the ER on effectiveness of proposed remedial measures</li><li>5. Supervise implementation of remedial measures.</li></ol>	<ol style="list-style-type: none"><li>1. Notify the Contractor</li><li>2. Ensure remedial measures are properly implemented</li></ol>	<ol style="list-style-type: none"><li>1. Amend working methods</li><li>2. Rectify damage and undertake any necessary replacement</li></ol>