

**Proposed Corrective Actions from Albion Park Quarry Independent Environmental Audit – 2020**

Condition Number	Description of Condition	Comments	Recommendations	Proposed Action	Completion Date												
PA 4.61	The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS 1940 and AS1596, and the Dangerous Goods Code.	<p>A 110 kl above ground storage tank containing diesel is located at the Site and the diesel, as currently stored on site, constitutes a dangerous good.</p> <p>AS1940 requires a suitable high level alarm (LAH) set at a maximum of 97% of tank capacity for tanks over 25,000 L capacity storing combustible liquids (e.g. diesel). The diesel tank onsite does not have a suitable high level alarm, therefore Cleary Bros does not meet this requirement.</p>	Install a high level alarm (LAH) set at a maximum of 97% of tank capacity for the 110 kl diesel tank.	Install a high-level alarm on the bulk diesel tank	30/6/2021												
PA 4.15	<p>The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not exceed the criteria in Table 5 at any sensitive receiver or residence on privately-owned land.</p> <table border="1" data-bbox="259 804 913 1082"> <thead> <tr> <th data-bbox="259 804 528 847">Pollutant</th> <th data-bbox="535 804 757 847">Averaging Period</th> <th data-bbox="763 804 913 847">Criterion</th> </tr> </thead> <tbody> <tr> <td data-bbox="259 852 528 927">Particulate matter &lt;10 µm (PM10)</td> <td data-bbox="535 852 757 927">Annual</td> <td data-bbox="763 852 913 927">30 µg/m3</td> </tr> <tr> <td data-bbox="259 932 528 1007">Particulate matter &lt;10 µm (PM10)</td> <td data-bbox="535 932 757 1007">24 hour</td> <td data-bbox="763 932 913 1007">50 µg/m3</td> </tr> <tr> <td data-bbox="259 1011 528 1082">Total suspended particulates (TSP)</td> <td data-bbox="535 1011 757 1082">Annual</td> <td data-bbox="763 1011 913 1082">90 µg/m3</td> </tr> </tbody> </table>	Pollutant	Averaging Period	Criterion	Particulate matter <10 µm (PM10)	Annual	30 µg/m3	Particulate matter <10 µm (PM10)	24 hour	50 µg/m3	Total suspended particulates (TSP)	Annual	90 µg/m3	<p>Air quality monitoring results are reported within the Annual Reviews.</p> <p>An exceedance of the 24-hour PM 10 criteria at the High Volume Air Sampler occurred on 23 September 2020. According to the Quality and Environment Manager, Cleary Bros undertook an investigation into the cause of the exceedance. The incident was reported to OPIE on 14 October 2020 and at the time of writing this report, Cleary Bros is awaiting a response from OPIE. ERM notes that results immediately before and after the exceedance were within criteria and the isolated exceedance event is not considered representative of widespread failure to manage particulate matter emissions.</p>	Comply with direction from OPIE with regard to the reported 24-hour PM10 criteria exceedance.	No further action required at this time	N/A
Pollutant	Averaging Period	Criterion															
Particulate matter <10 µm (PM10)	Annual	30 µg/m3															
Particulate matter <10 µm (PM10)	24 hour	50 µg/m3															
Total suspended particulates (TSP)	Annual	90 µg/m3															

Condition Number	Description of Condition	Comments	Recommendations	Proposed Action	Completion Date
PA 3.11	<p>The Applicant must ensure that all plant and equipment at the site, or used in connection with the development, are:</p> <p>(a) maintained in a proper and efficient condition; and</p> <p>(b) operated in a proper and efficient manner.</p>	<p>It is recommended that future preventative maintenance for in-ground concrete infrastructure, such as tank bunds and water treatment plant sumps include integrity inspections to confirm that sumps are not leaking to the subsurface and secondary containment is in good working order.</p>	<p>Incorporate additional preventative maintenance for concrete bunds and sumps, comprising routine integrity inspections to confirm stored product is fully contained .</p>	<p>Update preventative maintenance program to include physical inspections of bund.</p> <p>Undertake inspection of bund</p>	31/3/2021
PA 4.29	<p>The Erosion and Sediment Control Plan must:</p> <p>(a) be consistent with the requirements of the Department of Housing's Managing Urban Stormwater: Soils and Construction manual;</p> <p>(b) identify activities that could cause soil erosion and generate sediment;</p> <p>(c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters</p> <p>(d) describe the location, function , and capacity of erosion and sediment control structures; and</p> <p>(e) describe what measures would be implemented to maintain the structures over time.</p>	<p>A portion of the natural flow paths and vegetated buffers shown in Appendix C of the Water Management Plan, are no longer present onsite due to the expanded quarry pit. Erosion and sediment controls in the Sediment Control Plan should be updated to describe current practicable onsite controls.</p>	<p>Review the sediment control plan (Appendix C) and update the plan to only describe controls that are practicable given the current state of operations.</p>	<p>Update Erosion and Sediment Control Plan to ensure consistency with site layout.</p>	31/3/2021
PA 4.59	<p>All liquid and non liquid wastes resulting from activities and processes at the site must be assessed, classified and managed in accordance with the EPA's Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-liquid Wastes (1999), or any other EPA document superseding this guideline.</p>	<p>ERM considers waste is being managed in accordance with the EPA and waste management is conducted generally in accordance with this condition, however there is no document that identifies and pre-classifies common waste streams generated by site operations.</p>	<p>Update the QEMP to identify the common waste streams generated by site activities and preclassify the material where possible in accordance with the EPA Waste Classification Guidelines.</p>	<p>Update QEMP to further describe current waste management practices.</p>	31/3/2021
EPL O5.1	<p>All liquid and non liquid wastes resulting from activities and processes at the site must be assessed, classified and managed in accordance the EPA's Waste Classification Guidelines (2014) or any other EPA document superceding this guideline.</p>				