

**Attachment 4 – Marme Road and Abbotts Road intersection upgrade (MAIU)**  
**Environmental Representative Monthly Report (ERMR #03)**  
**For the period 1 April 2026 to 30 April 2026**



1.	Construction activities carried out during the reporting period	<p>Marme Road and Abbotts Road Intersection Upgrade works are being performed by Robson Civil Projects (Robson).</p> <p>The following works were being undertaken during the reporting period:</p> <p><b><u>Marme Road and Abbotts Road intersection upgrade (MAIU) Robson</u></b></p> <p>Works completed in on the Western side of Mamre Rd known as Stage 1 include:</p> <ul style="list-style-type: none"> <li>• SMZ Placement</li> <li>• HBB Placement</li> <li>• Asphalt and Spray Seal</li> <li>• Residents Driveways</li> </ul> <p>Works completed in on the Eastern side of Mamre Rd known as Stage 2 include:</p> <ul style="list-style-type: none"> <li>• Continued Excavation to Subgrade</li> <li>• Lime Stabilisation works of both Layer 1 &amp; 2</li> <li>• Excavation of unsuitable material</li> <li>• Gas sleeve installation commencement</li> <li>• LV outage</li> </ul>				
2.	Proposed upcoming construction works (where known)	<p>The following works are expected in the next period:</p> <p><b><u>Marme Road and Abbotts Road intersection upgrade (MAIU) Robson</u></b></p> <p>Upcoming works for the Western side of Mamre Rd known as Stage 1 Include:</p> <ul style="list-style-type: none"> <li>• Traffic Switch to Ultimate Stage 2</li> </ul> <p>Upcoming works for the Eastern side of Mamre Rd known as Stage 2 Include:</p> <ul style="list-style-type: none"> <li>• Subgrade Boxout</li> <li>• Lime Stabilisation</li> <li>• Gas Sleeve completion</li> <li>• SMZ Placement</li> <li>• SWD works</li> </ul>				
3.	ER activities undertaken during this reporting period.					
3 (a)	Site inspections	<p>During the reporting period, ER carried out the following inspections:</p> <table border="1" data-bbox="487 1249 1429 1480"> <thead> <tr> <th data-bbox="487 1249 649 1291">Date</th> <th data-bbox="649 1249 1429 1291">Key Observations</th> </tr> </thead> <tbody> <tr> <td data-bbox="487 1291 649 1480">16/04/2026</td> <td data-bbox="649 1291 1429 1480"> <ul style="list-style-type: none"> <li>• Confirmation of controls in accordance with the ESCP is required.</li> <li>• Clarification of drainage management and flow direction through culverts at the eastern boundary is required.</li> <li>• Confirmation of catchment separation at the eastern boundary is required.</li> <li>• Improvements to the maintenance of sediment controls are required.</li> </ul> </td> </tr> </tbody> </table> <p>A selection of photographs taken as part of inspections is provided, with comments, at section 15.</p>	Date	Key Observations	16/04/2026	<ul style="list-style-type: none"> <li>• Confirmation of controls in accordance with the ESCP is required.</li> <li>• Clarification of drainage management and flow direction through culverts at the eastern boundary is required.</li> <li>• Confirmation of catchment separation at the eastern boundary is required.</li> <li>• Improvements to the maintenance of sediment controls are required.</li> </ul>
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3 (b)	Audits undertaken	The ER did not undertake any audits during the reporting period.				

4.	Audits/ Inspections by Others	<p>A summary of the observation from CPESC monthly reports prepared is provided below.</p> <table border="1" data-bbox="492 132 1427 756"> <thead> <tr> <th data-bbox="492 132 654 170">Date</th> <th data-bbox="654 132 1427 170">Key Observations</th> </tr> </thead> <tbody> <tr> <td data-bbox="492 170 654 756">24/04/2026</td> <td data-bbox="654 170 1427 756"> <p>A CPESC inspection was conducted by Rubicon representative (CPESC) to assess compliance with the Erosion and Sediment Control Plan.</p> <ul style="list-style-type: none"> <li>At three locations (Abbotts Road box culvert, southern sector twin cell culvert at Ch 500, and Ch 640), the rock and geotextile filter berms require raising by approximately 500 mm as earthworks progress to maintain effective runoff filtration.</li> <li>At Mamre Road southbound (Ch 500), the upslope clean water diversion berm has been disturbed by construction plant associated with an adjacent project. The berm requires reinstatement and stabilisation using pinned geotextile prior to any significant rainfall events.</li> <li>At Mamre Road northbound (south of Ch 650), sediment fence installations along the western boundary have been damaged and require reinstatement and repair at multiple locations.</li> </ul> <p>At the twin cell culvert (Ch 660), temporary pipe outlets extend beneath the toe of fill with inadequate controls in place. It is recommended that the pipes be extended and additional fill placed to the west of the formation to improve runoff management and provide adequate working area.</p> <ul style="list-style-type: none"> <li>Dust emissions were minimal at the time of inspection, and clean water diversions across the site were generally functioning as intended. Ongoing monitoring and maintenance of sediment controls and dust management measures are required.</li> </ul> </td> </tr> </tbody> </table>	Date	Key Observations	24/04/2026	<p>A CPESC inspection was conducted by Rubicon representative (CPESC) to assess compliance with the Erosion and Sediment Control Plan.</p> <ul style="list-style-type: none"> <li>At three locations (Abbotts Road box culvert, southern sector twin cell culvert at Ch 500, and Ch 640), the rock and geotextile filter berms require raising by approximately 500 mm as earthworks progress to maintain effective runoff filtration.</li> <li>At Mamre Road southbound (Ch 500), the upslope clean water diversion berm has been disturbed by construction plant associated with an adjacent project. The berm requires reinstatement and stabilisation using pinned geotextile prior to any significant rainfall events.</li> <li>At Mamre Road northbound (south of Ch 650), sediment fence installations along the western boundary have been damaged and require reinstatement and repair at multiple locations.</li> </ul> <p>At the twin cell culvert (Ch 660), temporary pipe outlets extend beneath the toe of fill with inadequate controls in place. It is recommended that the pipes be extended and additional fill placed to the west of the formation to improve runoff management and provide adequate working area.</p> <ul style="list-style-type: none"> <li>Dust emissions were minimal at the time of inspection, and clean water diversions across the site were generally functioning as intended. Ongoing monitoring and maintenance of sediment controls and dust management measures are required.</li> </ul>		
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5.	Summary of Community Consultation	<p>The CCS includes the register of consultation and communication for the Project. A summarised extract for the reporting period is provided as Attachment 1.</p>						
6.	Summary of Complaints	<p>There were no complaints received during the reporting period.</p> <table border="1" data-bbox="492 919 1427 1005"> <thead> <tr> <th data-bbox="492 919 618 957">Date</th> <th data-bbox="618 919 1427 957">Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="492 957 618 1005">NIL</td> <td data-bbox="618 957 1427 1005"></td> </tr> </tbody> </table>	Date	Details	NIL			
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7.	Summary of Incidents	<p>During the reporting period, no incidents were reported to the Planning Secretary.</p> <table border="1" data-bbox="492 1066 1427 1152"> <thead> <tr> <th data-bbox="492 1066 618 1104">Date</th> <th data-bbox="618 1066 1427 1104">Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="492 1104 618 1152">NIL</td> <td data-bbox="618 1104 1427 1152"></td> </tr> </tbody> </table>	Date	Details	NIL			
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8.	Summary of Non- Compliances	<p>During the reporting period, no non-compliances were reported to the Planning Secretary.</p> <table border="1" data-bbox="492 1205 1427 1291"> <thead> <tr> <th data-bbox="492 1205 618 1243">Date</th> <th data-bbox="618 1205 1427 1243">Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="492 1243 618 1291">NIL</td> <td data-bbox="618 1243 1427 1291"></td> </tr> </tbody> </table>	Date	Details	NIL			
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9.	Evaluation of Environmental Performance	<p>The ER's evaluation of Environmental Performance is based on:</p> <ul style="list-style-type: none"> <li>Review of monitoring data for dust, noise and traffic</li> <li>Review of complaints and incidents</li> <li>Monthly CPESC Audit report</li> <li>Stakeholder feedback</li> <li>ER site inspections.</li> </ul> <p>Further discussion of environmental performance is presented below.</p> <p><b>NOISE</b></p> <table border="1" data-bbox="492 1577 1427 1774"> <thead> <tr> <th data-bbox="492 1577 654 1614">Month</th> <th data-bbox="654 1577 951 1614">Noise Levels</th> <th data-bbox="951 1577 1427 1614">Comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="492 1614 654 1774">April 2026</td> <td data-bbox="654 1614 951 1774"> <ul style="list-style-type: none"> <li>Average noise levels ranging between 57dB and 68dB during standard construction hours.</li> </ul> </td> <td data-bbox="951 1614 1427 1774"> <ul style="list-style-type: none"> <li>Measured noise levels are below industrial noise limits (75dB) within the site and therefore less at the nearest sensitive receiver.</li> </ul> </td> </tr> </tbody> </table> <p><b>Recommendations – Noise</b></p> <p>No additional recommendations are made over and above the commitments in the Construction Noise and Vibration Management Plan. However, should any complaints be received, attended monitoring is undertaken at the complaints residence to accurately determine whether (or not) the noise management levels are complied with and whether any further management actions are required.</p> <p><b>DUST</b></p>	Month	Noise Levels	Comments	April 2026	<ul style="list-style-type: none"> <li>Average noise levels ranging between 57dB and 68dB during standard construction hours.</li> </ul>	<ul style="list-style-type: none"> <li>Measured noise levels are below industrial noise limits (75dB) within the site and therefore less at the nearest sensitive receiver.</li> </ul>
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Dust Sampling was conducted in accordance with the Construction Air Quality Management Plan (CAQMP) and the requirements of AS/NZS 3580.10.1:2003 and EPA (DEC 2005a) guidelines.

The dust deposition gauges method measures dust deposition rate and involves the passive deposition and capture of dust within a funnel and bottle arrangement. Data is usually collected over monthly periods and results are expressed in g/m<sup>2</sup>/month (i.e. the mass of dust deposited per m<sup>2</sup> per month).

The dust criteria refer to total insoluble matter, and not total solids. This is the matter that does not dissolve in water and is determined in a laboratory. The Dust Deposition criteria as described in the AQMP are presented below.

Pollutant	Averaging Period	Impact	Criteria
Deposited Dust Gauge (DDG)	Annual	Total	4g/m <sup>2</sup> /month
	Annual	Incremental	2g/m <sup>2</sup> /month

A summary of monthly dust deposition monitoring results for is provided below.

Gauge ID	Total Insoluble Matter, g/m <sup>2</sup> /month
DDG1 – West	-
DDG2 – North West	-
DDG3 – South East	-
DDG4 – South	-

A summary of air quality limit exceedances is provided in the table below.

Period	Details of Exceedances	Comment
April 2026	<ul style="list-style-type: none"> <li>No information was provided for the reporting period; therefore, this item could not be assessed.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

The real time dust monitors provide an instantaneous measure of potential air quality impacts. This method determines real-time (continuous) dust concentrations. This method enables determination of airborne dust concentrations at a point in time. Realtime monitoring results show short-term variations and are strongly influenced by weather (wind direction, humidity, rainfall) and immediate site activities. As for high volume samplers, when matched with records of wind data, this method enables determination of dust levels from a particular event or source.

The real time air quality criteria as described in the CAQMP are presented in the table below.

Pollutant	Averaging Period	Air Quality Criteria	Application
Particulate matter less than 10 micrometres in diameter (PM <sub>10</sub> )	Annual	25 µg/m <sup>3</sup>	Off-site receiver
	24-hour	50 µg /m <sup>3</sup>	Off-site receiver
Particulate matter less than 2.5 micrometres in diameter (PM <sub>2.5</sub> )	Annual	8 µg /m <sup>3</sup>	Off-site receiver
	24-hour	25 µg /m <sup>3</sup>	Off-site receiver

A summary of results for the reporting period is provided below:

Month	Details of Exceedances	Comments
April 2026	NIL	<ul style="list-style-type: none"> <li>The rolling average for particulate matter PM<sub>2.5</sub> was below the limit (8µg /m<sup>3</sup>) at the monitoring location for the reporting period.</li> </ul>
	NIL	<ul style="list-style-type: none"> <li>The rolling average for particulate matter PM<sub>10</sub> was below the limit (25µg /m<sup>3</sup>) at the monitoring location for the reporting period.</li> </ul>







#### Recommendations - Dust

Construction works should continue to prioritize ongoing visual monitoring, weather forecasting, and adjustments to work practices during hot, dry, and windy conditions. Additional measures outlined in previous ER monthly reports should also remain in effect, including:

- Planned and focused application of water on designated haul routes.
- Retention of vegetative ground cover and temporary stabilization/ground cover in non-active work areas.
- Provision of ground stabilisation for completed work areas as soon as reasonably practicable

		<ul style="list-style-type: none"> <li>Improved planning for works in conditions likely to generate dust, including increased watering (e.g., additional water carts), avoiding work in windy conditions, and implementing visual surveillance to ensure work is stopped promptly when needed.</li> </ul> <p><b>TRAFFIC</b></p> <p><b>Recommendations - Traffic</b></p> <ul style="list-style-type: none"> <li>Continue to monitor and manage on site with regular toolbox talks with new suppliers and subcontractors to site identifying the importance of following the CTMP code of conduct.</li> </ul>				
10.	Analysis of lesson learnt and opportunities for improvement	Continued involvement of the CPESC in developing and implementing ERSED solutions on site with management plans updated progressively to demonstrate active planning and management. Prioritise completion of final landscaping and paved surfaces to prevent dust generation.				
11.	Project Changes	Changes to the project that occurred during the reporting period are listed in the table below. <table border="1" data-bbox="487 499 1429 590"> <thead> <tr> <th>Documentation</th> <th>Version and Date (Author)</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td></td> </tr> </tbody> </table>	Documentation	Version and Date (Author)	NIL	
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NIL						
12.	Any meetings attended by ER	The ER has been involved in the following meetings. <table border="1" data-bbox="487 642 1429 732"> <thead> <tr> <th>Date</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td></td> </tr> </tbody> </table>	Date	Details	NIL	
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13.	Summary of documents issued by the ER	The following documents were issued by the ER. <table border="1" data-bbox="487 785 1429 875"> <thead> <tr> <th>Date</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td></td> </tr> </tbody> </table>	Date	Details	NIL	
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14.	Closing Remarks	Overall, the site was found to be generally compliant with the applicable environmental requirements during the reporting period. No complaints, incidents, or non-compliances were reported. Dust emissions were observed to be minimal during the inspection, and noise levels remained within the relevant criteria. However, it is noted that no dust deposition data was available for the reporting period, and this should be addressed to enable a complete assessment of environmental performance. Ongoing monitoring, maintenance of erosion and sediment controls, and timely implementation of corrective actions will be critical, particularly ahead of rainfall events. Continued coordination with the CPESC is recommended to ensure controls are appropriate and responsive to changing site conditions.				

15.

Photo	Location and comment	Resolution/Action/Project Response
	<p><u>Sediment controls at perimeter – 20/02/2026</u> Ongoing maintenance of the sediment control at the perimeter is required and reinstatement where these have been impacted by works.</p>	<p><b>OBSERVATION</b> <b>ONGOING</b></p>
	<p><u>Culvert inlet controls generally – 16/04/2026</u> The formation has been raised progressively – this has reduced the capacity within the sediment controls at the culvert. Generally, the bunds at the culverts should be progressively raised.  Note: The culvert in this location flows into a second catchment with additional controls.</p>	<p><b>OBSERVATION</b> <b>ONGOING</b></p>
	<p><u>South bound road works – 16/04/2026</u> The eastern bund is in place per previous inspections.</p>	<p><b>OBSERVATION</b></p>
	<p><u>Western boundary – sediment controls – 16/04/2026</u> Ongoing review and reinstatement of the sediment fence at the boundary is required.  Fences have been impacted by placed/stockpiled material and material handling.</p>	<p><b>OBSERVATION</b> <b>ONGOING</b></p>
	<p><u>Western culvert outlets – 16/04/2026</u> The current culvert outlets have partial sediment controls. These are to be reviewed and improved ahead of rain events.  In some areas these culverts are not receiving water as the inlet areas have been boxed out well below the pipe inverts.</p>	<p><b>OBSERVATION</b> <b>ONGOING</b></p>
	<p><u>Western boundary – southern works – 16/04/2026</u> See comments above – inspect and reinstate sediment fences where required</p>	<p><b>OBSERVATION</b> <b>ONGOING</b></p>

**Attachment 1** – Extract of Consultation and Communication Register

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Date	Responsible Rep	In/Out/ Meeting	Initial Communication Method/Tool	Contact Name/ Organisation	Nature of Complaint/Enquiry/ Communication	Summary of Issues/Details of Communication	Resolution
NIL							