

Independent Environmental Audit: Wagga Wagga Quarry (SSD 07_0069) NSW



Audit Reference:	AQUAS Job No. 1285
Audit Organisation:	Hanson Constructions Materials
Auditors:	James Hart, AQUAS
Date of Audit:	21 September 2020
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Date 6 November 2020

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Independent Audit Certification Form

Development Name Wagga Wagga Quarry Extension Project

Development Consent No. SSD 07_0069

Description of Development Sand Quarry

Development AddressRoach Road Wagga Wagga NSW 2650OperatorHanson Construction Materials Pty Ltd

Operator Address

Level 10, 35 Clarence Street Sydney, NSW 2000

Independent Audit

Title of Audit Independent Environmental Audit: Wagga Wagga Quarry (SSD 07_0069),

NSW

I certify that I have undertaken the independent audit and prepared the contents of the attached independent audit report and to the best of my knowledge:

- The audit has been undertaken in accordance with relevant approval condition(s) and in accordance with the auditing standard AS/NZS ISO 19011:2014 and Post Approval Guidelines – Independent Audits;
- The findings of the audit are reported truthfully, accurately and completely;
- I have exercised due diligence and professional judgement in conducting the audit;
- I have acted professionally, in an unbiased manner and did not allow undue influence to limit or over-ride objectivity in conducting the audit;
- I am not related to any owner or operator of the development as an employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited development, including where there is a reasonable likelihood or expectation of financial gain or loss to me or to a person to whom I am closely related (i.e. immediate family);
- Neither I nor my employer have provided consultancy services for the audited development that were subject
 to this audit except as otherwise declared to the lead regulator prior to the audit; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment) from any owner or operator of the development, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Note.

a) The Independent Audit is an 'environmental audit' for the purposes of section 122B (2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.

b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).

Signature

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Auditor Certification Exemplar Global Lead Environmental Auditor No 12107

James Stant

Date 6 November 2020



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Abbreviations

AEMR	Annual Environmental Management Review
AQMP	Air Quality Management Plan
AS	Australian Standard
DA	Development Approval
DDG	Deposition Dust Gauge
DPIE	Department of Planning Industry and Environment
DRG	Department of Resources and Geoscience
eBAM	Beta Attenuation Monitor
EMS	Environmental Management Strategy
EPA	Environment Protection Authority
EPL	Environment Protection Licence
HVAS	High Volume Air Sampler
NRAR	National Resources Access Regulator
NMP	Noise Management Plan
WMP	Water Management Plan
RMP	Rehabilitation Management Plan
TMP	Traffic Management Plan and Driver Code of Conduct
TSP	Total Suspended Particulates
WAL	Water Access Licence



1 INTRODUCTION

1.1 Overview

Hanson Construction Materials Pty Ltd (Hanson) operate the Wagga Wagga Quarry, a sand and river gravel quarry located on the floodplain of the Murrumbidgee River five kilometres (km) west of the city of Wagga Wagga, in the Riverina region of NSW.

The Wagga Wagga Quarry Extension Project involves the extraction of up to 150,000 tonnes per annum (tpa) of construction aggregates over a project life of 25 years. Aggregates extracted from the site are processed at the site and transported by road to regional customers in Wagga Wagga, Griffith, Mildura, Leeton, Canberra, Temora, Shepparton and as far south as Melbourne. The quarry directly employs 6 people during the reporting period, these being 3 operators, one truck driver, one casual plant operator and a quarry manager.

The Department of Planning, Industry and Environment (DPIE), formerly the Department of Planning and Environment, granted Project Approval 07 0069 subject to approval conditions on 22 November 2011.

The conditions of approval require Hanson to appoint an independent auditor to assess compliance with the Minister's Conditions of Approval obtained for the quarry operations.

Schedule 5, condition 8 of the approval requires an Independent Environmental Audit to be commissioned by the end of June 2014, and every 3 years thereafter, unless the Secretary directs otherwise. The condition requires the proponent to commission and pay the full cost of the audit. The audit must:

- a) Be conducted by a suitably qualified, experienced, and independent team of experts whose appointment has been endorsed by the Secretary;
- b) Include consultation with relevant agencies and CCC;
- assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals);
- d) Review the adequacy of any strategies, plans or programs required under this approval; and, if necessary
- e) recommend measures or actions to improve the environmental performance of the project, and/or any strategy, plan or program required under these approvals.

The previous audit of the project was conducted in 2017. Due to social distancing requirements associated with Covid-19, an extension of time was provided by DPIE for the current audit, with the audit required to be completed by the end of September 2020.

1.2 Audit Objectives

The objective of this Independent Environmental Audit was to assess the operations at the Wagga Wagga Quarry and provide a report in accordance with the requirements of Schedule 5, condition 8 of the development approval.



1.3 Audit Scope and Criteria

The scope of this audit was limited to the site, being the quarry located Lot 2 DP 610795 and part Lot B DP 381991 Roach Road Wagga Wagga NSW 2650, and processes carried out by Hanson in operating the quarry. The audit is the third for the project and covered the period since the previous audit and the date of the site inspection, i.e. July 2017 to August 2020.

The audit scope included:

- the conditions of all relevant approvals;
- management plan requirements;
- the requirements of relevant regulatory agencies;
- the status of the operation;
- the performance of the operation;
- results from previous audits;
- any incidents or community complaints;
- feedback received from other regulatory agencies on the performance of the operation; and
- feedback received from the community / community consultative committee on the performance of the operation.

The audit criteria were developed by the Lead Auditor, and are included as a checklist at the end of this report.

2 Methodology

The audit methodology included a review of approval conditions and key management plans prepared for the quarry operations, interviews with project personnel, and a site inspection to assess the level of compliance with and implementation of those requirements.

2.1 Audit Team

The audit was conducted by the following:

Auditor	Role	Qualifications and Experience
James Hart	Lead Environmental Auditor	See attached CV
	Exemplar Global No 12105	

James Hart was endorsed by the Secretary of the Department of Planning and Environment on 17 August 2020 (refer to Appendix B).

2.2 Approvals and Documents Audited

The following documents and approvals were reviewed and included within the audit:

- Project Approval 07-0069 October 2018 Modification (MOD 1).
- Air Quality Management Plan Wagga Wagga Quarry, V2, March 2017;
- Noise Management Plan Wagga Wagga Quarry, V3, March 2017.
- Water Management Plan Wagga Wagga Quarry, P1203330JR01V09, August 2017.



- Water Monitoring Program: Wagga Wagga Quarry Extension, P1203330JR02V09, August 2017.
- Assessment of Observed Groundwater Drawdown (October 2017) and Comparison to Model Predictions, Cell 1, Hanson Quarry, Roach Road, Wagga Wagga, NSW, Martens Consulting Engineers, P1806423JR01V01, Draft, September 2020.
- Water Management Performance Verification Report: Hanson Quarry, Roach Road, Wagga Wagga, NSW, Martens Consulting Engineers, 19 December 2017.
- Wagga Wagga Quarry Extension Project, Water Management Review. Evans and Peck, Final 11/03/2013.
- 2019 Annual Groundwater Balance Hanson Wagga Wagga Quarry, Martens Consulting Engineers, 3 September 2020.
- Rehabilitation Management Plan Wagga Wagga Quarry, 29 November 2017.
- Waste Management Plan Wagga Wagga Quarry, November 2017.
- Environmental Management System Wagga Wagga Quarry, July 2017.
- Environmental Protection Licence No 2433, NSW EPA, 4 August 2020.
- Water Access Licence 33474, Alluvial Groundwater Source.
- Water Access Licence 37001, Regulated River Water Source.
- Wagga Wagga Quarry Annual Review July 2019 June 2020.
- Wagga Wagga Quarry Annual Review July 2018 June 2019.
- Wagga Wagga Quarry Annual Review July 2017 June 2018.
- Traffic Management Plan and Driver Code of Conduct, Wagga Wagga Quarry, March 2017.
- Wagga Wagga Quarry Complaints Registers to August 2020.
- Independent environmental Audit Wagga Wagga Quarry, Trevor Brown and Associates, 22 August 2017, Rev 1.
- Transport monitoring Data, July 2017 to August 2020;
- Wagga Wagga Quarry Community Consultative Committee Meeting Minutes, 2017 to 2020;
- Pollution Incident Response Management Plan, Wagga Wagga Quarry. Version No 01 September 2013.
- Wagga Wagga Quarry Air Quality Monitoring Results, July 2017- July 2020.
- Incident Report pertaining to sediment laden leak August 2018 Wagga Wagga Quarry Extension, Project (MP 07_0069), 22 November 2018.
- Incident Report pertaining to movement breaches between July to October 2017 Wagga Wagga Quarry Extension Project (MP 07_0069), 2 November 2017.
- Site Water Balance, Excel Spreadsheet, 2016 -2020.
- Cell 2 Commencement Noise Compliance Survey, September 2019, VMS Australia, Report No 10-1672, 13 September 2019.
- Wagga Wagga Daily Tool Box 3/09/2020.
- .Wagga Wagga Hazardous Chemicals Register.
- Biotreat Service Report clearwater Sales and Service, 8 September 2020.
- Work Order Conveyor Inspection Weekly, 3/07/2020.
- Employee and LOD Orientation Confirmation Form, Version 13, April 2017.

2.3 Agency and Community Consultation

The following people were consulted with prior to the audit to obtain feedback and to focus the audit criteria towards key issues.



Contact	Agency	Comments
Georgia Dragicevic A/Principal Investigator Compliance	Department of Planning, Industry & Environment	No response
Robert Wighton	Community Consultative Committee – Chairperson.	No issues
Jessica Creed Unit Head Regional West Operations— Regulatory Operations Regional	NSW Environment Protection Authority	EPA's Public Register contains information on all our licensed premises. This includes a copy of the licence for the premises, annual return data including any listed noncompliances and details on any notices issued to the licensee. I would recommend having a look at that information and seeking further details about any non-compliances that have been identified and what the outcomes were. I would also recommend asking them to show how they are complying with each of the conditions listed in the licence.
Sylvester Otieno Manager Operations Wagga Wagga City Council	Wagga Wagga City Council	No response
Jenny Ehmsen Principal Compliance Auditor Compliance Coordination	Department of Regional New South Wales – Resources Regulator	Records held by the NSW Resources Regulator (the Regulator) indicate that there are no mining leases under the Mining Act 1992 currently associated with the quarry. As such, the Regulator does not have any requirements for the independent audit.

2.4 Name and Position of Persons Interviewed

The following site personnel were interviewed during the conduct of the audit:

Name	Position/Role	Organisation	Date of Interview
Steven Starkey	Quarry Manager	Hanson Construction Materials Pty Ltd	21 and 23/09/2020
Belinda Pignone	Environmental and Compliance Coordinator	Hanson Construction Materials Pty Ltd	21/09/2020



2.5 Audit Process

The audit commenced with an Opening Meeting to confirm the scope, purpose, and timeline of the audit. The Opening Meeting was held at 09.00am on 21 September 2020 via videoconference. A site inspection and follow up on records was conducted on the 23 September 2020 in the Wagga Wagga Quarry site office.

Key operational documents were reviewed, and evidence of compliance was sought through the interview process. Key documents were the various management plans required under the approval. Documentation included a combination of hard copy records and electronic records maintained by Hanson, with records generally available during the audit. Additional records were provided subsequent to the onsite audit.

A site inspection was then conducted, which included inspection of roads and drainage structures, inspection of access control measures implemented, and inspection of quarrying operations. At the time of audit, activities being undertaken included screening and loading operations.

A closing meeting was held at 2.30pm on 23 September 2020 where the preliminary audit findings were presented. Where aspects of the audit remained unresolved, Hanson was requested to provide additional information. This information was provided by 6 November 2020.

2.6 Audit Compliance Status Descriptors

Compliant	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.	
Not Compliant	The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.	
Not triggered	A requirement has an activation or timing trigger that has not been met during the temporal scope of the audit being undertaken (may be a retrospective or future requirement), therefore an assessment of compliance is not relevant.	

As part of the Audit evaluation, the auditor may make observations, including identifying any opportunities for improvement in relation to any compliance requirement or any other aspect of the project. Any observations or notes are in addition to the compliance status descriptor assigned to each compliance requirement, limited to the descriptors listed in the above table.

2.7 Issues to be considered in reviewing this report

This audit was based on a review of compliance with the approval conditions for the operation of Wagga Wagga Quarry.

In particular, the audit focused on the implementation of measures described in the various Environmental Management Plans to manage the impacts of the activities on the surrounding environment. The checklist appended to this report identifies those compliance issues that could be assessed given the stage of the project.

By its very nature an audit does not guarantee full compliance of all aspects of the project with the undertakings of the Management Plans and associated documentation. However; in the opinion of the auditor, the extent and scope of the field inspection together with the records maintained by Hanson



were sufficient evidence to verify general compliance of the activities with the requirements of the conditions of approval.

3 AUDIT FINDINGS

3.1 Overview

Specific activities being undertaken at the time of audit were:

- Loading and haulage of material from stockpiles to the processing plant;
- Screening of material;
- Stockpiling of materials;
- Loading of trucks for dispatch;
- Dust control using on-site water cart; and
- Operation of quarry trucks and front end loader.

The attached checklists record the outcomes of the audit process. Twelve non-compliances were identified where compliance with the conditions of consent, EPL, or management plans could not be verified. The following sections summarise key findings for review and action by Hanson as appropriate.

3.2 Previous Audit Findings

Previous audit findings were reviewed as part of the current audit to assess implementation of actions identified to address issues. Information available showed previous findings had generally been addressed. A summary of previous findings and status is provided in Appendix A.

3.3 Development Consent (SSD 07 0069)

The audit findings were detailed in the attached Appendix C- Audit Table and areas of non-compliance were tabulated in section 3.13 of this report. The following summarised the audit findings:

Schedule 2 - Administrative Controls

The site had implemented processes to generally manage compliance with the administrative control requirements of the conditions of consent.

Three non-compliances were identified in relation to administrative controls.

Schedule 2	Twelve non-compliances were identified in relation to the conditions of approva
Condition 2A	which triggers a non-compliance with Condition 2 (A). (See Non-compliance NC-01).
Schedule 2	Transport data records show that the number of trucks permitted to leave exceeded
Condition 6	the stipulated 3 dispatches per hour between the hours of 3pm-6pm (Monday to
Condition 0	Friday) (See Non-compliance NC-02).

Schedule 3 – Environmental Performance Conditions

All of the required management plans had been developed and provided to DPIE for review and approval.

Six non-compliances was raised where environmental performance conditions were not met:

Schedule 3	Particulate monitoring for the 2018-2019 and November 2019 to February 2020
Condition 5	periods exceeded project limits. The annual average limit was greater than the



annual average criterion, while the 24 hours criterion was exceeded on 14 instances (See Non-compliance NC-03).

Schedule 3 Monitoring of particulate matter has not been conducted in accordance with the approved AQMP. A High Volume Air Sampler has not been used to monitor PM10 levels until sufficient data has been collected and approval to modify the monitoring program is provided by DPE (A Dustrak monitor has been used) (See Noncompliance NC-04).

Schedule 3	Records were not available to demonstrate that five yearly inspections of all extant
Condition 14	flood mitigation infrastructure as fit for purpose by an independent hydrological
	specialist had been conducted (See Non-compliance NC-05).

Schedule 3	Transport data for the period July 2019 to June 2020 was not available on the website
Condition 17	on 21/09/2020. (See Non-compliance NC-12).

Schedule 3	The Rehabilitation Management Plan had not been submitted to DPIE within the
Condition 25	required timeframe (See Non-compliance NC-06).

Schedule 3	The rehabilitation bond had not been provided within 3 months of the approval of the
Condition 26	Rehabilitation Management Plan (See Non-compliance NC-07)

Schedule 4 - Additional Procedures

No non-compliances were identified with the Conditions of Approval under Schedule 4.

Schedule 5 - Environmental Management, Reporting and Auditing

Processes had been implemented to comply with environmental management requirements. An Environmental Management Strategy had been documented and implemented, management plans prepared, and an annual review process implemented.

Five non-compliances were raised in relation to Schedule 5 requirements.

Schedule 5 All requirements of the EMS had not been fully implemented. The following issues Condition 1 were identified:

- o The transport incident register had not been audited at three monthly intervals;
- An annual aerial survey was not completed within the 2019-2020 period;
- Section 4.3 of the EMS does not include EPA specific incident reporting requirements.

(See Non-compliance NC-08)

Schedule 5	Evidence was not available to demonstrate that management plans had been
Condition 4	reviewed following the submission of an annual reviews, incident reports or audit
	reports (See Non-compliance NC-09).

Schedule 5	Air particulate matter results, groundwater monitoring and transport data for 2020
	not available on website (See Non-compliance NC-12).
Condition 7	not available on website (Oce Non compilarioe No 12).



Schedule 5 Condition 9

While a copy of the previous Independent audit Report had been provided to DPIE, a response to any recommendations in the report had not been included (See Noncompliance NC-11).

Schedule 5 Condition 10

All required information had not been provided on the company website. The following were not available:

- 2020 monitoring results for water and air quality
- Truck movement data for 2020
- GW monitoring results
- The proponent's response to previous audit findings
- 2014 independent environmental audit report

(See Non-compliance NC-12)

3.4 Environmental Protection Licence (EPL 2193)

An EPL had been issued for the operations, which places requirements on the site for the management of air, noise, water, and complaints. The site had complied with requirements for monitoring of air and water, and complaints management and reporting processes have been implemented and met.

No non-compliances were raised in relation to EPL requirements.

3.5 Air Quality Management Plan

An AQMP had been prepared and was available for the project. The AQMP was updated in November 2016 and approved by DPIE in March 2017.

The AQMP included requirements for air quality monitoring, and measures to minimise air quality impacts of the sites operations which had been implemented on site.

Two (2) Results of dust deposition monitoring conducted for the site were consistently below the annual average criteria, indicating that the site was effectively managing site activities to minimise dust generation.

However, PM₁₀ particulate monitoring records reported several exceedances of the 24 hours average criterion, with the annual average criterion being exceeded in to 2018-2019 period. High background monitoring results (BOM Wagga Wagga) show that these results were heavily impacted by offsite sources. Exceedances of the 24 hour average criterion were also recorded during the period November 2019 to February 2020, when air quality was heavily impacted by summer bushfires. It is noted that particulate monitoring was conducted at the site weighbridge, which was adjacent to a gravel road. Monitoring at this location may be adversely impacted by the close proximity of the gravel road. It is recommended that consideration be given to relocating the monitor to monitor dust levels at the nearest affected residence.

Two non-compliances was raised where requirements of the AQMP had not been met.

Schedule 3 Condition 5

Particulate monitoring for the 2018-2019 and November 2019 to February 2020 periods exceeded project limits. The annual average limit was greater than the annual average criterion, while the 24 hours criterion was exceeded on 14 instances (See Non-compliance NC-03).



Schedule 3 Condition 7

Monitoring of particulate matter has not been conducted in accordance with the approved AQMP. A High Volume Air Sampler has not been used to monitor PM10 levels until sufficient data has been collected and approval to modify the monitoring program is provided by DPE (A Dustrak monitor has been used) (See Noncompliance NC-04).

3.6 Water Management Plan

A Water Management Plan (WMP), incorporating a Flood Management Plan, had been updated and submitted to DPIE and approved in August 2017. The WMP is supported by a Water Quality Monitoring Program (August 2017).

Compliance with aspects of the SWMP verified, including management of water discharged from site, erosion and sediment controls and inspections requirements. No discharge had occurred from the site.

An assessment of the impact of the Quarry operations on groundwater drawdown had been completed in 2017, which found that the impact of the quarry operations on groundwater were consistent with or less than the predicted impacts. A Water Management Performance Report had been compiled in 2020 (draft September 2020 sighted) which verified implementation of the recommendations of the Comprehensive Water Audit and the Water Management Improvement Program.

However, one non-compliance was raised where requirements of the SWMP had not been implemented.

Schedule 3 Condition 14 Records were not available to demonstrate that five yearly inspections of all extant flood mitigation infrastructure as fit for purpose by an independent hydrological specialist had been conducted (See Non-compliance NC-05).

3.7 Rehabilitation Management Plan

The Quarry has been operating under a Rehabilitation Management Plan (RMP) which had been submitted to DPIE and approved in November 2017. The LMP included requirements for plans for the rehabilitation staging, and a time line of the works.

No new rehabilitation had commenced in the previous three years, although an area adjacent to the entry to Pit 2 had been identified for the next round of rehabilitation in Autumn 2021. Rehabilitate areas had been fenced off to prevent unauthorised access and damage. Quarterly weed inspections were conducted by the Quarry Manager.

No regular spraying of weeds was undertaken, although spraying of weeds was conducted by a neighbouring farmer on an intermittent basis.

No non-compliances had been identified in relation to implementation of the requirements of the RMP.

3.8 Noise Management Plan

The site had implemented measures to comply with site working hours, and noise monitoring had been conducted during operational periods of the quarry in accordance with the requirements of the noise management plan and the EPL. Noise monitoring results indicated the site was complying with noise limits.

No non-compliances were raised in relation to noise management.



3.9 Traffic Management Plan and Driver Code of Conduct

A Traffic Management Plan and Driver Code of Conduct (TMP) had been developed and approved in 2017.

The audit identified general compliance with the TMP. Records of truck movements were maintained from weighbridge information in the SAP system.

However, two non-compliances were raised where full compliance with the requirements of the traffic management plan was not found.

Schedule 2

Condition 6

Transport data records show that, during 2018, the number of trucks permitted to leave exceeded the stipulated 3 dispatches per hour between the hours of 3pm-6pm (Monday to Friday) (See Non-compliance NC-02). It is noted that a variation to the Conditions of Consent had been approved which increase the permitted number of truck permitted between 3.00pm and 6.00pm to 6/ hour (See Non-compliance NC-02).

Schedule 3

Transport data for the period July 2019 to June 2020 was not available on the website

Condition 17 on 21/09/2020. (See Non-compliance NC-12).

3.10 Waste Management Plan

A Waste Management Plan had been prepared for the quarry. The plan was prepared and approved prior to the previous audit of the project. No changes to the Waste Management Plan had occurred.

Suitable facilities had been provided on site for the management of waste, including waste skips for the segregation of waste streams. Sewage waste was managed on site in accordance with the onsite sewerage waste agreement with Wagga Wagga City Council. Quarterly inspections of the onsite wastewater system were verified.

It was noted that several items of redundant equipment were present on site. Hanson should consider removing redundant equipment from site.

3.11 Environmental Management Strategy

An Environmental Management Strategy (EMS) had been developed and implemented for the site. The EMS had been updated in July 2017 and approved by DPIE on 26 July 2017.

While compliance with aspects of the EMS was found, the following issues were identified where the implementation of the requirements of the EMS had not been adequately demonstrated.

Schedule 5 Condition 1

- The EMS had not been updated to reflect current site approvals and licence requirements.
- Records of annual surveys were not readily available.
- Records were not available to demonstrate that the transport incident register had been audited at three monthly intervals. While the EMS includes a process for managing non-compliances, the EMS does not include all EPA requirements.

These issues were included in non-compliance NC-08.



3.12 Water Access Licences

Water access licences have been obtained for extraction of water from the Murrumbidgee River and alluvial groundwater. Water access licence WAL37001 (100 units) and WAL3788 (50 units) allows for pumping of water from the Murrumbidgee River. No water had been taken from the Murrumbidgee River during the period covered by this audit, with the pumps having been removed from the extraction point.

WAL33474 allows for groundwater extraction of 360 units. Temporary groundwater allocations were obtained for the 2018/2019 season (SWC770618) and 2019/2020 season (143 units), allowing for up to 503 ML to be accessed. Current groundwater take from all pits was reported to be 420.37 ML. Groundwater take was recorded daily on the Wagga Quarry Fixed Plant checklist. No non-compliances with the requirements of the water access licences were identified.

3.13 Areas of Non-compliance

No.	Condition	Requirement	Issue sighted and Recommendation
NC-01	Schedule 2, Condition 2	The Proponent must carry out the project: (a) generally in accordance with the EA, EA (MOD 1), EA (MOD 2) and the project layout; and (b) in accordance with the statement of commitments and the conditions of this approval.	Thirteen non-compliance were raised where compliance with the conditions of consent was not demonstrated. Recommendation: Hanson should ensure that appropriate processes are developed and implemented to ensure compliance with the requirements of the conditions of consent.
NC-02	Schedule 2, Condition 6	The Proponent must not: (a) transport more than 150,000 tonnes of product from the site per calendar year; (b) permit more than 12 heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00 pm and 5:00 pm on any weekday; and permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 5:00pm and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority.	Transport data from the 2017-2018 annual review show 6 exceedances of permitted truck movements - two (2) instances where the transportation movements exceeded the stipulated 3 dispatches per hour between the hours of 3pm-6pm. Recommendation: A modification to the conditions of consent was approved which permits the despatch of up to 12 heavy vehicle movements per hour between 3.00pm and 5.00pm. No further action required.



NC-03 Schedule 3, Condition 5

Impact Assessment Criteria

The Proponent must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause an exceedance of the criteria listed in Tables 3, 4 or 5 at any residence on privately-owned land.

Table 3: Long Term Criteria for Particulate Matter

Pollutant	Averaging Period	^d Criterion	
Total solid particles (TSP)	Annual	^a 90 μg/m ³	
Particulate matter < 10 µm (PM ₁₀)	Annual	a 30 μg/m³	

Table 4: Short Term Criterion for Particulate Matter

Pollutant	Averaging Period	^d Criterion
Particulate matter < 10 µm (PM ₁₀)	24 hour	b 50 μg/m³

The annual average for the period July 2018 to June 2019 was 35 µg/m³, which was above the 30 µg/m³ annual limit as outlined in the Project Approval (background level 29.5 µg/m³). During this period, there were 14 instances where PM₁₀ levels exceeded the 24 hour average criterion of 50 μg/m³. During the period November 2019 to February 2020 there were multiple exceedances of PM₁₀ 24 hour average criteria. These elevated results were attributed to weather conditions and NSW summer bushfires, not the result of quarry operations.

Recommendation:

Hanson should review controls for managing dust emissions from site to ensure that all feasible measures are implemented. Consideration should be given to relocating the particulate monitor to the nearest affected residence.

NC-04 Schedule 3, Condition 7

Air Quality Management

The Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the

Secretary. This plan must:

- (a) be prepared in consultation with EPA, and submitted to the Secretary for approval within 6 months of this approval;
- (b) describe the measures that would be implemented to ensure compliance with the relevant conditions of this approval, including consideration of a real-time air quality management system that employs both reactive and proactive mitigation measures; and

include an air quality monitoring program that that uses a combination of high volume samplers and dust deposition gauges to evaluate the performance of the project, and includes a protocol for determining exceedances with the relevant conditions of this approval. The Proponent must implement the plan as approved by the Secretary.

The AQMP states that PM₁₀ monitoring will be conducted using a HVAS. However, a Dustrak was used to conduct PM₁₀ particulate (and hence TSP) monitoring.

Recommendation:

Hanson should implement air particulate monitoring in accordance with the AQMP.



NC-05 Schedule 3,	Water Management Plan	Records were not available to
Condition 14	The Proponent must prepare a Water Management Plan	demonstrate that five-yearly
	for the project to the satisfaction of the Secretary. This	inspection and certification of
	plan must be prepared in consultation with EPA and Dol	all extant flood mitigation
	and must be submitted to the Secretary for approval in	infrastructure as fit for purpose
	conjunction with the Water Management Improvement	by an independent hydrological
	Program. The plan must include:	specialist had been completed.
	 a program for: 	
	 certification of these plans by an independent 	Recommendation:
	hydrological specialist, prior to levee and fuse	extant flood mitigation
	plug construction; and	infrastructure should be
	 five-yearly inspection and certification of all 	inspected and certified every 5
	extant flood mitigation infrastructure as fit	years by an independent
	for purpose by an independent hydrological	hydrological specialist.
	specialist;	



NC-06 Schedule 3,

Condition 25 Rehabilitation Management Plan

The Proponent must prepare a Rehabilitation Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with OEH, Dol and DRG and must be submitted to the Secretary for approval in conjunction with the Water Management Improvement Program. The plan must:

- consider the rehabilitation plans presented in the (a)
- assess the quantity and availability of materials (b) on site that can be applied to rehabilitation (including overburden, tailings, reject, existing levee banks and pit walls);
- (c) consider all options regarding the reestablishment of the pit wall and river bank in the vicinity of the breach which took place in December 2010;
- consider likely flood behaviour and impacts on (d) the landscape as proposed to be rehabilitated (including during each of the various rehabilitation stages);
- consider available alternative land uses for the (e) site, including for the exhausted quarry pits;
- (f) review what parts of the site should be refilled to a level above standing groundwater, so as to manage flood behaviour and other long term risks;
- address the issue of fines disposal so as to (g) prevent fines being eroded from the landscape during major flood events or being a source of dust emissions during dry periods;
- (h) develop clear rehabilitation objectives for the whole site, including the following:
 - stabilisation of disturbed areas to prevent the emission of dust following closure;
 - landscaping the site with native species endemic to the locality; and
 - minimising the total surface area of water bodies on the site:
- consider opportunities to enhance wildlife habitat (i) on the rehabilitated project site, in particular in and around artificial water bodies and wetlands;
- develop clear, progressive rehabilitation staging (j) for the whole site, including specific milestone dates for rehabilitation works and a program for monitoring progress against these dates;
- address potential conflicts between the (k) rehabilitation of the existing extraction pit and its proposed use as a settling pond;
- demonstrate that all reasonable and feasible (I) measures have been applied to minimise the total surface area of water-filled voids on the site;

Rehabilitation Management Plan had not been submitted to DP&E on 19 June 2017 or the revised document be submitted by the 19 July 2017. The RMP was subsequently submitted 4/08/2017, and updated and resubmitted on the 19/10/2017. The RMP was further amended and resubmitted and approved 29/11/2017.

Recommendation:

Hanson should ensure that documentation is submitted within the required timeframes.



		(m) set completion criteria for the rehabilitation of the site;
		 (n) describe in detail the measures that would be implemented over the next 5 years to rehabilitate and manage the landscape on the site; (o) describe how the performance of these measures would be monitored over time; and (p) provide for regular auditing of progress against rehabilitation outcomes and milestones, with reporting of progress to the Secretary and DRG.
		The Proponent must implement the plan as approved by the
		Secretary.
NC-07	Schedule 3, Condition 26	Rehabilitation Bond Within 3 months of the approval of the Rehabilitation Management Plan, the Proponent must lodge a rehabilitation bond for the project with the Secretary. The sum of the bond must be calculated at \$2.50/m2 for the total area both currently disturbed and proposed to be disturbed for the following 3 year period, or as otherwise directed by the Secretary. Notes: If the rehabilitation is completed to the satisfaction of the Secretary, the Secretary will release the rehabilitation bond. If the rehabilitation is not completed to the satisfaction of the Secretary, the Secretary will call in all or part of the rehabilitation bond, and arrange for the satisfactory completion of the relevant works.



NC-08	Schedule	Environmental Management Strategy	
	5, Condition 1	The Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:	Implementation of the following requirements of the EMS could not be verified:
		(a) be submitted to the Secretary for approval with 6 months of the date of this approval;	Auditing of the Transport- Incident register on a three monthly basis;
		(b) provide the strategic framework for environmental management of the project;	Annual aerial survey. The EMS had not been
		(c) identify the statutory approvals that apply to the project;	updated to reflect requirements of the current project approval
		(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;	(e.g. change to permitted truck movements) or changes to Water Access Licences. In addition, the EMS did not
		(e) describe the procedures that would be implemented to:	include EPA requirements for incident/ non-compliance
		 keep the local community and relevant agencies informed about the operation and environmental performance of the project; 	reporting. Recommendation:
			Necommendation.
		 receive, handle, respond to, and record complaints; resolve any disputes that may arise during the 	Hanson should ensure that all
		course of the project;	requirements of the EMS are implemented, and that records
		 respond to any non-compliance; and 	are maintained to verify
		respond to emergencies; and	implementation.
		(f) include:	The EMS should be updated to
		 references to any strategies, plans and programs approved under the conditions of this approval; and 	reflect the requirements of the current project approval and water access licences, and
		 a clear plan depicting all the monitoring required to be carried out under the conditions of this approval. 	include EPA requirements for incident/ non-compliance
		The Proponent must implement the strategy as approved by the Secretary.	reporting.
NC-09	5,	Revision of Strategies, Plans & Programs	Records were not always available to demonstrate that a
	Condition 4	Within three months of:	review of management plans has been conducted following
		(a) the submission of an annual review under condition 3 above;	the submission of an annual
		(b) the submission of an incident report under condition 6 below;	reviews, incident reports or audit reports.
		(c) the submission of an audit report under condition 8 below, or	Recommendation:
		(d) any modification of the conditions of this approval (unless the conditions require otherwise),	Hanson should ensure that management plans are reviewed in accordance with
		the Proponent must review, and if necessary revise, the	the requirements of Conditions
		strategies, plans, and programs required under this	of Consent. Records should be
		approval to the satisfaction of the Secretary.	maintained to verify reviews
		Note: This is to ensure the strategies, plans and programs	had been completed and DPIE notified.
		are updated on a regular basis, and incorporate any	
		recommended measures to improve the environmental performance of the project.	
		<u> </u>	



NC-10	Schedule		DPIE had not been
	5,	Incident Reporting The Proponent must notify the Secretary and any other relevant agencies of any incident that has caused, or has the potential to cause, significant risk of material harm to the environment, at the earliest opportunity. For any other incident associated with the project, the Proponent must notify the Secretary and any other relevant agencies as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	immediately notified of all incidents as soon as practicable.
			Hanson should ensure that all incidents and non-compliances are reported in accordance with Schedule 5, Condition 6 of the conditions of consent.
NC-11	Schedule 5, Condition 9	Within six weeks of the completing of this audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	The previous audit report was not provided within 6 weeks on completing the audit. A response to recommendations not provided with audit report.
			Recommendation:
			Hanson should ensure that independent audit reports, including a response to any recommendations in the report, are submitted to DPIE within the timeframes as identified in Schedule 5, Condition 9 of the conditions of consent.



Condition 10

Schedule 5, From the end of June 2012, the Proponent must:

- (a) make copies of the following publicly available on its
- the documents referred to in condition 2 of Schedule 2:
- all current statutory approvals for the project:
- all approved strategies, plans and programs required under the conditions of this approval;
- the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans or programs;
- a complaints register, updated on a monthly basis;
- the annual reviews of the project;
- any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit; and
- any other matter required by the Secretary;
- (b) keep this information up-to-date,

to the satisfaction of the Secretary.

The following information was not provided on the website:

- 2020 monitoring results for water and air quality
- Truck movement data for 2020
- GW monitoring results
- The proponent's response to previous audit findings
- 2014 independent environmental audit report.

Recommendation:

Hanson should ensure that all required information is provided on the company website and regularly updated.

3.14 Areas of compliance

All other relevant conditions audited were found to be either compliant or not triggered. Refer to the audit checklist provided as an attachment for full details of compliance.



4 CONCLUSIONS

Hanson had developed management plans and associated documentation to address the requirements of the conditions of consent. Management plans had been submitted to DPIE and relevant agencies for review and approval, although at the time of audit approval had not been provided for all management plans.

While compliance with aspects of the conditions of the project approval and management plans was found, twelve non-compliances were raised where compliance with requirements of the conditions of consent, management plans prepared for the site or EPL was not demonstrated. Hanson should ensure that actions are identified and implemented to address the findings contained within this audit to enable compliance with all obligations and ensure environmental impacts of the developments are appropriately managed.

ATTACHMENTS

- ✓ Substantive Changes
- ✓ Auditor CV
- ✓ Audit Checklists

CIRCULATION

- Hanson Pty Ltd
- AQUAS Pty Ltd



5 Substantive Changes.

The following non-compliances were removed as the result of a review of the draft audit report provided to Hanson.



NC-02	Condition	The Proponent must not: (a) transport more than 150,000 tonnes of product from the site per calendar year; (b) permit more than 12 heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00 pm and 5:00 pm on any weekday; and permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 5:00pm and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority.	2018 annual review show 6 exceedances of permitted truck movements - two (2) instances where the transportation	Clarification provided that the transport movements had occurred between 8.00am and 8.01am, which was report in SAP as between 7.00am and 8.00am.
NC-03	Condition	The Proponent must surrender all existing development consents applying to the site to the relevant consent authority by 30 June 2012.	lapsed in June 2010 but have	Further information provided to demonstrate that the previous development consents had expired in 2010.



Appendix A. - Previous Audit Findings



Condition	Requirement	Issue sighted	Hanson Response	Status
Schedule 2– Administrative Controls 6 Schedule 3– Specific Environmental Conditions 14 (a) to (e) Water Management Plan	Requirement The Proponent shall not: (a) transport more than 150,000 tonnes of product from the site per calendar year; (b) permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00pm and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority. The Proponent must prepare a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with EPA and Dol and must be submitted to the Secretary for approval in conjunction with the Water	Issue sighted Between July 2015 and June 2016 there were 12 instances where movements between 3pm – 6pm exceeded the specified 6 movements per hour, and 18 instances between July 2016 and June 2017. All movements in excess of 6 per hour occurred between 3.00 and 4.00pm between July 2015 and June 2017 with no exceedances between 4.00pm and 6.00pm The Water Management Plan had not been approved by DP&E at the date of this audit (11 July 2017). Hanson addressed DP&E comments on the Plan and resubmitted in July 2017.	Hanson Response	Modification to Project Approval obtained to permit up to 12 heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00 pm and 5:00 pm on any weekday; and (c) permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 5:00pm and 6:00pm on any weekday. Closed Water Management Plan prepared and submitted to the DPIE and comments were received by Hanson from the DPIE on 7 June 2015, 2 February 2017 and 19 June 2017. Further comments received
	Management Improvement Program.			11/07/2017 with the WMP updated and finalised Rev 09, 29/08/2017). Closed
Schedule 3 Conditions 15 (a) and (b) Water Monitoring Program	The Proponent must prepare a Water Monitoring Program for the project to the satisfaction of the Secretary. This program must be prepared in consultation with EPA and Dol and must be submitted to the Secretary for approval in conjunction with the Water Management Improvement Program	The Water Monitoring Program had not been approved by DP&E at the date of this audit (11 July 2017).		Water Management Plan prepared and submitted to the DPIE and comments were received by Hanson from the DPIE on 7 June 2015, 2 February 2017 and 19 June 2017. Further comments received 11/07/2017 with the WMP updated and finalised Rev 09, 29/08/2017).



Condition	Requirement	Issue sighted	Hanson Response	Status
				Closed
Schedule 3	The Proponent must prepare a	The Rehabilitation Management Plan		It was noted by DPIE that the
Condition 25	Rehabilitation Management Plan	prepared to satisfy Project Approval		Rehabilitation Management Plan had
	for the project to the satisfaction	Schedule 3 condition 25 had not been		not been submitted to DP&E on 19
	of the Secretary. This plan must be	approved by DP&E at the date of this		June 2017 or the revised document be
	prepared in consultation with	audit (11 July 2017). Hanson addressed		submitted by the 19 July 2017.
	OEH, Dol and DRG and must be	DP&E comments on the Plan and		The RMP was subsequently submitted
	submitted to the Secretary for	resubmitted in July 2017.		4/08/2017, and updated and
	approval in conjunction with the			resubmitted on the 19/10/2017. The
	Water Management Improvement			RMP was further amended and
	Program.			resubmitted and approved
				29/11/2017.
				Closed



Appendix B. – Auditor Approval





Ms Belinda Pignone Graduate Environmental Planning Coordinator Hanson Construction Materials Pty Ltd Level 18 2-12 Macquarie Street Parramatta NSW 2150

17/08/2020 Dear Ms Pignone

Wagga Wagga Quarry Extension Project (MP 07_0069) Independent Environmental Audit 2020

I refer to your letter of 14 August 2020 seeking approval of Mr James Hart of AQUAS as the lead auditor for the upcoming Independent Environmental Audit of Wagga Wagga Quarry Extension Project (the project), in accordance with Schedule 5, Condition 8 of project approval MP 07_0069, as modified (the approval).

Having considered the qualifications and experience of Mr Hart, the Secretary endorses the appointment of Mr Hart to undertake the audit in accordance with Schedule 5, Condition 8 of the consent. This approval is conditional on Mr Hart being independent of the project.

The audit is to be conducted in accordance with AS/NZS ISO 19011 Australian/New Zealand Standard: Guidelines for quality and/or environmental management systems auditing and you may wish to consider the Independent Audit Guideline dated October 2015. A copy of this guideline can be located at http://planning.nsw.gov.au/Policy-and-Legislation/Mining-and-Resources/Integrated-Mining-Policy.

The audit report is to include the following:

- consultation with the relevant agencies;
- a compliance table indicating the compliance status of each condition of approval and any relevant EPL:
- 3. not use the term "partial compliance";
- 4. recommend actions in response to non-compliances;
- 5. review the adequacy of plans and programs required under this consent; and
- 6. identify opportunities for improved environmental management and performance.

Within six weeks of the completing of this audit, Hanson is to submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report and a timetable to implement the recommendations. Prior to submitting the audit report to the Secretary, it is recommended that Hanson review the report to ensure it complies with the relevant consent condition.

Should you have any enquiries in relation to this matter, please contact Georgia Dragicevic, Senior Compliance Officer, on (02) 4247 1852 or by email to Georgia Dragicevic@planning.nsw.gov.au.

Yours sincerely



Appendix C. – Audit Tables





Audit Checklist - Conditions of Approval 07_0069 MOD_1

AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #			
SCHEDU	SCHEDULE 2 – ADMINISTRATIVE CONDITIONS							
OBLIGA	OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT							
1.	1.	The Proponent must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation or rehabilitation of the project.	No material harm has occurred as a result of the quarry operations.	Compliant				
TERMS	OF APPF	ROVAL						
2.	2.	The Proponent must carry out the project generally in accordance with the: (a) EA; (b) EA (MOD 1) (c) Statement of Commitments; and Note: The general layout of the project is shown in Appendix 1 and intended project staging as shown in Appendix 2.	Quarrying operations have been conducted in general accordance with the EA, EA (MOD 1) and Statement of Commitments	Compliant				
3.	2A.	The Proponent must carry out the project in accordance with the conditions of this approval.	Ten non-compliances with the conditions of consent have been identified.	Not Compliant	NC-01			
4.	3.	Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to: (d) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Secretary; and (e) the implementation of any actions or measures contained in any such document referred to in (a) above.	Documentations has been submitted to DPIE for review and updated to address DPIE comments.	Compliant				
5.	4.	The conditions of this approval and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document/s listed in condition 2. In the event of an inconsistency, ambiguity or conflict between any of the document/s listed in condition 2, the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	No inconsistencies have been identified.	Not triggered				

Project: AQ1285 Company: Hanson Construction Materials Date: 21/09/2020



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
LIMITS C	N APPR	OVAL			
6.	5.	Quarrying operations may take place at the site until 31 December 2036. Note: Under this approval, the Proponent is required to rehabilitate the site to the satisfaction of the Secretary. Consequently, this approval will continue to apply in all respects - other than the right to conduct quarrying operations - until the site has been rehabilitated to a satisfactory standard.	Current year 2020	Compliant	
7.	6.	The Proponent must not: (a) transport more than 150,000 tonnes of product from the site per calendar year; (b) permit more than 12 heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00 pm and 5:00 pm on any weekday; and (c) permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 5:00pm and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority.	July 2017 to -June 2018 - 99,599 tonnes July 2018 to June 2019 - 69,517 tonnes July 2019 to June 2020 - 99,599 tonnes. Note figures are for financial year. 2019-2020 – No exceedance of truck movements 2018-2019 – No exceedance of truck movements 2017-2018 – 6 exceedances of permitted truck movements - two (2) instances where the transportation movements exceeded the stipulated 3 dispatches per hour between the hours of 3pm-6pm and four (4) instances where the Saturday dispatch hours were exceeded. Noted that a modification to the approval conditions was requested and approved in October 2018 allowing for up to 12 truck movements between the hours of 3pm-6pm.	Not compliant	NC-02

Project: AQ1285 Company: Hanson Construction Materials Date: 21/09/2020



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #		
8.	7.	The Proponent must not excavate or extract any materials below a depth of 158 metres AHD without the prior written approval of the Secretary. Approval will be subject to the Secretary's satisfaction concerning the: (a) progress made against the goals and targets presented in the Water Management Improvement Program required under condition 9 of Schedule 3; (b) implementation of the Water Management Plan required under condition 14 of Schedule 3; (c) results of the Water Monitoring Program required under condition 15 of Schedule 3; (d) results shown and predictions made in the Water Management Verification Report required under condition 16 of Schedule 3; and (e) progress under the Rehabilitation Management Plan required under condition 25 of Schedule 3.	Currently at Maximum depth in Cell 1. Noted that the floor of cell 1 is covered by ~500mm of water. Material currently being extracted from Cell 1 was being taken from the access ramp. Cell 2 – Currently constructing levee wall for cell.	Compliant			
INFRAST	INFRASTRUCTURE CONTRIBUTIONS						
9.	8.	The Proponent must make annual contributions to Council for the maintenance of local roads impacted by the quarry's operations (i.e. Roach Road and McNickle Road), payable by 31 January each year, in respect of the preceding calendar year. The contributions must be at a rate of three cents (2011 dollars, indexed annually to CPI) per tonne of product material hauled per kilometre of Roach Road and McNickle Road travelled by haulage vehicles associated with the project, unless an alternative contribution, works-in-kind or reimbursement arrangement is negotiated between the Proponent and Council, and agreed by the Secretary.	Annual contributions to the City of Wagga Wagga Council for the maintenance of local roads verified. Paid 10/02/2020, 10/02/2019, 5/02/2018	Compliant			
10.	9.	Prior to the commencement of works under this approval, the Proponent must contribute 1.0% of the capital investment value of the project (as at the time of proposed commencement of the project) to Council for the purpose of delivering the community infrastructure and services outlined in the City of Wagga Wagga: S94A Development Contributions Plan 2006.	Verified previous audit (Paid 3/02/2012)	Compliant			

Project: AQ1285 Company: Hanson Construction Materials Date: 21/09/2020



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #	
STRUCTURAL ADEQUACY						
11.	10.	The Proponent must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA. Notes: Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works; and Part 8 of the EP&A Regulation sets out the requirements for the certification of the project.	No new building constructed since the previous audit.	Not triggered		
PROTEC	TION OF	PUBLIC INFRASTRUCTURE				
12.	11.	The Proponent must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project.	No repairs or relocation of public assets has been required	Not triggered		
DEMOLI	TION					
13.	12.	The Proponent must ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	No demolition work has been conducted since the previous audit.	Not triggered		
OPERAT	ION OF	PLANT AND EQUIPMENT		<u> </u>		
14.	13.	The Proponent must ensure that all the plant and equipment used on site, or to transport materials to and from the site, is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Sighted maintenance records for FEL Prestarts completed daily. Servicing conducted by contractor. Sighted WA470-6 service report 750 hours 19/08/2020; 500hrs 12/06/2020 Fixed plant – weekly inspections conducted. Work orders generated for repairs required. Electrical Inspection register maintained – Inspections had been conducted in accordance with register.	Compliant		



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
STAGED	SUBMIS	SSION OF ANY STRATEGY, PLAN OR PROGRAM			
15.	14.	With the approval of the Secretary, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis. Note: The conditions of this approval require certain strategies, plans, and programs to be prepared for the project. They also require these documents to be reviewed and audited on a regular basis to ensure they remain effective. However, in some instances, it will not be necessary or practicable to prepare these documents for the whole project at any one time (e.g. all proposed extraction stages), particularly as these documents are intended to be dynamic and improved over time. Consequently, the documents may be prepared and implemented on a progressive basis, subject to the conditions of this approval. In so doing, the Proponent will need to demonstrate that it has suitable documents in place to manage the existing operations of the project.	Plans have been prepared and submitted for the project.	Compliant	
SURREN	IDER OF	DEVELOPMENT CONSENTS			
16.	15.	The Proponent must surrender all existing development consents applying to the site to the relevant consent authority by 30 June 2012.	The Development Consents expired in June 2010 but have not been formally surrendered	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
SCHEDU	JLE 3 – E	NVIRONMENTAL PERFORMANCE CONDITIONS			
NOISE					
17.	1.	Impact Assessment Criteria The Proponent must ensure that the noise generated by the project during operation does not exceed the criteria in Table 1. Table 1: Noise Impact Assessment Criteria (dB(A) LAeq (15min) Location *Day Kullaroo 2 Riverglen All other privately-owned land Notes: Receiver locations are as identified in the noise assessments presented in the EA. Noise limits are to be measured in accordance with the relevant requirements, and exemptions (including certain meteorological conditions), of the NSW Industrial Noise Policy. The noise limits do not apply if the Proponent has an agreement with the relevant owner/s of these residences/land to generate higher noise levels, and the Proponent has advised the Department in writing of the terms of this agreement. a Day is defined as 6:00am to 6:00pm Mondays to Fridays, and 8:00am to 1:00pm on Saturdays, but does not include public holidays.	Noise monitoring conducted at commencement of new cells to assess compliance with project requirements. Noise monitoring during Cell 2 Commencement in September 2019 assessed that the project was compliant with noise impact assessment criteria. No complaints regarding noise from the project have been received.	Compliant	
18.	2.	Operating Hours The Proponent must comply with the operating hours in Table 2. Table 2: Operating hours	Current operations 7.00am to 4.30pm Saturday 8.00am to 1.00pm Truck movements have occurred between the hours of 6.00am and 6.00pm Monday to Friday. Truck movements on Saturday were between 8.00am and 1.00pm with the exception of: and four (4) instances where the Saturday dispatch hours were exceeded (2017-2018) 30/06/2018 – 1 truck movement between 7.00am and 8.00am 10/08/2019 – 2 truck movements between 7.00am and 8.00am	Compliant	



AQUAS Ref No	Cond. No.		Condition			Finding and Recommendations	Compliance rating	Assessment Issue #
		Activity All quarrying operations	Day Monday – Friday (except Public Holidays) Saturdays Sundays and Public Holidays	Time 6.00 am to 6.00 pm 8.00 am to 1.00 pm No activities		Reported that truck movements occurred between 8.00 and 8.01 am, which is recorded in SAP as between 7 am and 8 am.		
		Transportation off-site	Monday – Friday (except Public Holidays) Saturdays Sundays and Public Holidays	6.00 am to 6.00 pm 8.00 am to 1.00 pm No activities				
		and/or operate dewate pumps remain below to Note: This condition of required by police or of operation or personnel notification is to be pre-	ent may, at any time, urering pumps, provided to background noise level does not apply to delive other authorities for safel or equipment are endovided to EPA and the easonable period in the	that the noise levels firms at the most sensitive ry of material if that de ety reasons, and/or the langered. In such circle affected residents as	rom the e receiver. elivery is ee umstances,			
19.	3.	and feasible noi noise and traffic (b) regularly assess data and reloca	practice noise manage ise mitigation measures c noise generated by the s the noise monitoring a te, modify, and/or stop the relevant conditions	s to minimise the oper e project; and and meteorological for operations on site to	rational recasting	Noise mitigation measures identified in the Noise management Plan have been implemented. No noise related complaints have been received.	Compliant	
20.	4.	Noise Management I The Proponent must p satisfaction of the Sec This plan must: (a) be prepared in o the Secretary w (b) include a: • description minimise r	Plan prepare a Noise Manag	and submitted for app pproval; and; would be implemented	proval to	Noise Management Plan V3, March 2017 available. No updates have been required to the NMP.	Compliant	



AQUAS Ref No	Cond. No.			Condition			Finding and Recommendations	Compliance rating	Assessment Issue #
		and sperform protocof this identification and specification and sp	supplementar ormance of the ocol for deterries approval ar- ified exceedanual improve reporting on regenerated b	ry attended monito e project; mining exceedance and investigating, no ances of the relevament program for iteasonable and featy the project.	a combination of real ring to evaluate the es of the relevant con otifying and mitigating nt noise limits; and nvestigating, implem asible measures to re	aditions g enting duce			
AIR QUA	ALITY								
21.	5.	mitigation measi generated by the Tables 3, 4 or 5	must ensure t ures are emp e project do n at any reside	hat all reasonable loyed so that partic		ns	Annual average deposited dust levels were below relevant criteria for the period covered by this audit. Dustrak monitor used to measure PM ₁₀ levels.	Not compliant	NC-03
		Pollutant		Averaging Period	^d Criterion		The annual average for the period July 2018 to June 2019 was 35 µg/m³, which was above the 30 µg/m³ annual limit as outlined		
		Total solid particles (TSF Particulate matter < 10 μ	· .	Annual Annual	^а 90 µg/m ³		in the Project Approval. During this period, there were 14 instances where PM ₁₀ levels exceeded the 24 hour average		
		Table 4: Short T	erm Criterion	for Particulate Ma	tter		criterion of 50 µg/m³. Average background monitoring data for the period obtained		
		Pollutant		Averaging Period	^d Criterion		from the North Wagga Wagga BoM was 29.5 µg/m³, which		
		Particulate matter < 10 µ	ım (PM ₁₀)	24 hour	^b 50 μg/m³		indicates that high background levels contributed significantly to		
		Table 5: Long To	erm Criteria f	or Deposited Dust			the PM ₁₀ levels measured at the Quarry. The annual average for the period July 2019 to June 2020 was		
		Pollutant	Averaging Perio	d Maximum Project Contribution	Maximum Total Deposited Dust Level		25.9 µg/m³, which was below the 30 µg/m³ annual limit as		
		^c Deposited dust	Annual	^b 2 g/m²/month	a 4 g/m²/month		outlined in the Project Approval. During the period November		
		the project sources); • b Increment due to the • c Deposite	oact (i.e. incre et plus backgr ntal impact (i. e project on its ed dust is to b	ound concentration e. incremental incress own); se assessed as inse	n concentrations due ns due to all other rease in concentratio oluble solids as defin 1:2003: Methods for	ns ned	2019 to February 2020 there were multiple exceedances of PM ₁₀ 24 hour average criteria. These elevated results were attributed to weather conditions and NSW summer bushfires.		

Project: AQ1285 Company: Hanson Construction Materials Date: 21/09/2020



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method; • d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA.			
22.	6.	Operating Conditions	Water cart available for use on site.	Compliant	
		The Proponent must: minimise the generation of visible air pollution by the project; and (c) ensure that quarrying operations are relocated, modified, and/or stopped as required to minimise air quality impacts on privately-owned land, to the satisfaction of the Secretary.	Wet plant operations. Dustrak installed at weighbridge (front access to site) . Issues notice where PM ₁₀ levels rise to 120ug/m3. TSP calculated from PM ₁₀ .		
23.	7.	Air Quality Management The Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must: (c) be prepared in consultation with EPA, and submitted to the Secretary for approval within 6 months of this approval; (d) describe the measures that would be implemented to ensure compliance with the relevant conditions of this approval, including consideration of a real-time air quality management system that employs both reactive and proactive mitigation measures; and (e) include an air quality monitoring program that that uses a combination of high volume samplers and dust deposition gauges to evaluate the performance of the project, and includes a protocol for determining exceedances with the relevant conditions of this approval. The Proponent must implement the plan as approved by the Secretary.	The Air Quality Management Plan for the Wagga Wagga Quarry Extension Project was prepared by PAE Holmes and submitted to the Secretary of DP&E. Comments were received from DP&E on 7 June 2015 and 2 February2017. The Plan was revised to address the DP&E comments and re-submitted. Air Quality Management Plan (V2, March 2017) approved 19 June 2017. Dust deposition monitoring conducted at 5 locations. PM ₁₀ monitoring conducted using a Dustrak monitor (Noted that use of the Dustrak for measuring PM ₁₀ is not included in the approved AQMP). Reported that a HVAS had been used for 3 months to monitor PM ₁₀ levels and assess if the monitoring was providing useful information for management of potential air quality impacts. This assessment had not been completed at the time of audit. The AQMP states that the HVAS monitoring will be continued until sufficient data has been collected and approval to modify the monitoring program is provided by DPE. However, continued monitoring using the HVAS has not been conducted.	Not Compliant	NC-04

SOIL AND WATER Note: The Proponent is required to obtain the necessary water licences for the project under the Water Act 1912 and/or Water Management Act 2000.



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
24.	8.	Comprehensive Water Audit and Water Management Improvement Program Within three months of the date of this approval, the Proponent must commission independent surface and groundwater expert/s, approved by the Secretary, to undertake a comprehensive audit of current and proposed water management practices and infrastructure on the site. The Comprehensive Water Audit must: (a) fully describe and audit all current site water management practices, including with respect to surface water, groundwater, water licensing, flooding, drainage, process water usage and management, wastewater disposal practices and discharges of water from the site (whether to the surface or underground environment); (b) identify all reasonable and feasible measures to improve water management and monitoring on the site, having regard to existing water management practices and the approach proposed within the EA; (c) identify all reasonable and feasible measures to improve the management of process water on the site, with particular reference to opportunities for improved and/or increased recycling/reuse of process water; (d) recommend design parameters for process water systems on the site, including with respect to water recycling/reuse systems and constructed wetland systems; and (e) be undertaken in consultation with EPA, Dol and the Council, and include consideration of any additional water management issues identified through this consultation.	Water Management Improvement program prepared by Evans & Peck (2013) to satisfy Project Approval Schedule 3 condition 8, was submitted to the DP&I, OEH, NOW and the Council with the Comprehensive Water Audit Report dated 11 March 2013 (titled Water Management Review, Evans & Peck). Water Monitoring Program prepared by Martens Consulting Engineers. Rev 09, 29/08/2017 finalised following comments from DPE.	Compliant	
25.	9.	Unless otherwise agreed with the Secretary, the Proponent must submit a copy of the Comprehensive Water Audit report to the Secretary, EPA, Dol and the Council within six months of it commissioning the audit. The Audit report must be accompanied by a Water Management Improvement Program, based on the Audit report's recommendations, to improve water management practices on the site and to ensure continuous improvement over the life of the project, including a program of proposed timeframes for implementation. Should the Proponent propose to not implement one or more of the Audit recommendations, it must provide detailed justification to this effect.	The Comprehensive Water Audit Report prepared by Evans and Peck to satisfy Schedule 3 condition 9 requirement, (titled Water Management Review dated 11 March 2013 by Evans & Peck), was submitted to the Director-General on 9 April 2013. Verified previous audit.	Compliant	
26.	10.	The Water Management Improvement Program must be prepared and implemented to the satisfaction of the Secretary. Progress against the	Annual Review, Section 6.4 includes discussion on the Water Improvement Program.	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		Program must be considered as part of the Independent Environmental Audits for the project and reported through Annual Reviews.	Independent Audit Report 2014-2017, 22/08/2017 - Section 5.4.4 Water Quality Improvement Program.		
27.	11.	The Proponent must apply a recycling target of no less than 50% of process water generated on site, to be implemented through the Water Management Improvement Program.	The recycling of process water on site under the implemented water management improvement program, results in reuse of process water, i.e. 100%.	Compliant	
28.	12.	Compensatory Water Supply The Proponent must provide a compensatory water supply to any landowner of privately-owned land whose water entitlements are adversely impacted (other than an impact that is negligible) as a result of the project, in consultation with Dol, and to the satisfaction of the Secretary. The compensatory water supply measures must provide an alternative long-term supply of water that is equivalent to the loss attributed to the project. Equivalent water supply must be provided (at least on an interim basis) within 24 hours of the loss being identified. If the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Secretary for resolution. If the Proponent is unable to provide an alternative long-term supply of water, then the Proponent must provide alternative compensation to the satisfaction of the Secretary.	No landowner of privately-owned land water entitlements had been adversely impacted as a result of the project at the date of this audit (i.e. 23/09/2020).	Compliant	
29.	13.	Surface Water Discharges The Proponent must ensure that all surface water discharges from the site comply with the discharge limits (both volume and quality) set for the project in any EPL.	No water has been discharged from the Quarry site during the period covered by this report	Compliant	
30.	14.	Water Management Plan The Proponent must prepare a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with EPA and Dol and must be submitted to the Secretary for approval in conjunction with the Water Management Improvement Program. The plan must include: (a) a Site Water Balance, which must: • include details of: o sources, security and licensing of water supply; o water use on site; o water management on site; and o any off-site water transfers;	Water Management Plan prepared and submitted to the DP&E and comments were received by Hanson from the DP&E on 7 June 2015, 2 February 2017 and 19 June 2017. Further comments received 11/07/2017 with the WMP updated and finalised Rev 09, 29/08/2017). Records were not available to demonstrate that five yearly inspections of all extant flood mitigation infrastructure as fit for purpose by an independent hydrological specialist had been conducted.	Not Compliant	NC-05



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		(b) an Erosion and Sediment Control Plan, which must: • be consistent with the requirements of Managing Urban Stormwater: Soils and Construction, Volume 2E Mines and Quarries, (DECC), or most recent version of the relevant guidelines; • identify activities that could cause soil erosion or generate sediment; • describe measures to minimise soil erosion and the potential for transport of sediment to downstream waters; • describe the location, function and capacity of erosion and sediment control structures and flood management structures; and • describe what measures would be implemented to maintain the structures over time; (c) a Surface Water Management Plan, which must include: • detailed baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project; • surface water and stream health impact assessment criteria including trigger levels for • investigating any potentially adverse surface water impacts; • measures to manage pit inflows, including the storage and transfer of pit water and processing water; • a commitment to reduce surface water abstractions and to only operate strictly within surface water and groundwater licence entitlements; • a commitment to maximising the recycling and/ or reuse of site process water; and • measures to ensure that all discharges of water from the site to the Murrumbidgee River (excepting floodwater) contain less than 50mg/L TSS; (d) a Flood Management Plan, including: • surveyed heights of all existing levees and measures to manage and maintain flood management infrastructure in proper and effective service over the life of the project; • details of flood mitigation and flood contingency measures; • accurate plans for proposed levees, including location, height and anticipated level of AEP flood event protection; • a program for:	Finding and Recommendations		
		 certification of these plans by an independent hydrological specialist, prior to levee and fuse plug construction; and 			



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		o five-yearly inspection and certification of all extant flood mitigation infrastructure as fit for purpose by an independent hydrological specialist; and (e) details of contingency measures to be implemented in the event that any significant impact occurs on either surface or groundwater resources. The Proponent must implement the plan as approved by the Secretary.			
31.	15.	Water Monitoring Program The Proponent must prepare a Water Monitoring Program for the project to the satisfaction of the Secretary. This program must be prepared in consultation with EPA and Dol and must be submitted to the Secretary for approval in conjunction with the Water Management Improvement Program. The program must include: (a) monitoring and recording of all key elements of the projected Site Water Balance, including: • daily pit dewatering volumes for each pit; • water used in processing; • water used for recycling and/or reuse; • water released to the constructed wetland system; and • water released to the environment, whether by evaporation, infiltration, discharge or entrained with product; (b) a Groundwater Monitoring Program, which must include: • a groundwater monitoring bore network developed following consultation with Dol, aimed at accurately identifying the groundwater impacts of the project; • detailed baseline data of groundwater levels, yield and quality in the area, and privately owned groundwater bores that could be affected by the project; • groundwater impact assessment criteria including trigger levels for investigating any potentially adverse groundwater impacts; • a program to monitor and assess: • groundwater inflows to the quarry operations; • impacts on regional aquifers; • impacts on groundwater Supply of potentially-affected landowners and the Riverina Water County Council's West Wagga Wagga Bore field; • impacts on the aquifers in the Cowra and Lachlan Formations; and	Water monitoring Program (Rev 09, 29/08/17). finalised following receipt of comments for DPE. Site water balance reviewed quarterly	Compliant	
		 impacts on nay groundwater dependent ecosystems and riparian vegetation. The Proponent must implement the program as approved by the Secretary. 			



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
32.	16.	Verification of Water Management Performance After implementing the approved Water Monitoring Program for at least two years, the Proponent must prepare and submit to the Secretary a Water Management Performance Verification Report, to the satisfaction of the Secretary. The Report must be prepared to: (a) demonstrate and verify the predictions made in the EA, particularly with respect to water requirements, pit inflows and recycling/ reuse opportunities; (b) demonstrate progress against the recommendations made in the Comprehensive Water Audit and the Water Management Improvement Program; (c) verify the surface water and groundwater impacts of the project, through an updated water balance and groundwater model, calibrated using groundwater monitoring data; and (d) demonstrate that the project would not have an unacceptable surface water or groundwater impact, through application of the calibrated groundwater model referred to above, if extraction was conducted on site below 158 metres AHD.	Assessment of Observed Groundwater Drawdown (October 2017) and Comparison To Model Predictions, Cell 1, Hanson Quarry, Roach Road, Wagga Wagga, NSW completed by Martens Consulting Engineers, 19 December 2017. Water Management Performance Verification Report: Hanson Quarry, Roach Road, Wagga Wagga, NSW, Draft 3/09/2020 sighted. The report assesses data collected between July 2016 and August 2019. The report concludes that: "Hanson have implemented the recommendations of the CMR and achieved all of the requirements of Condition 16 of the Project Approval Conditions".	Compliant	
TRAFFIC	C AND TE	RANSPORT		1	
33.	17.	The Proponent must: (a) keep accurate records of the amount of product materials transported from the site, including the date, time and tare weight of each product haulage vehicle dispatched from the site; and (b) make these records available on its website on a quarterly basis and include them in the Annual Review.	Hanson Wagga Wagga Quarry records transport of any product from the quarry site. Records include the date, time and tare weight of each product haulage vehicle dispatched from the site. The transport records up to June 2019 are available on the company website. Transport data for the period July 2019 to June 2020 was not available on the website on 21/09/2020. Transport data included in Annual Reviews.	Not Compliant	NC-11
34.	18.	The Proponent must consult with the RMS, Council and the CCC over appropriate reduction to the existing speed limit along Roach Road, to the satisfaction of the Secretary.	Consultation with RMS in relation to the speed limit along Roach Road resulted in RMS indicating that this speed reduction would not be supported (Email 17/03/2017). Verified previous audit.	Compliant	
35.	19.	Traffic Management Plan The Proponent must prepare a Traffic Management Plan to the satisfaction of the Secretary. The Plan must be developed in consultation with the RMS and Council, and must be submitted for the approval of the Secretary within 6 months of the date of this approval. The plan must address:	Traffic Management Plan prepared March 2013. Updated March 2017.	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 (a) adoption, implementation and enforcement of a Truck Driver Code of Practice to ensure that project-related traffic uses Roach Road and McNickle Road in a safe manner; (b) traffic management along these roads to minimise potential conflicts between project-related traffic and other road users and pedestrians, including truck driver awareness of the Wiradjuri Walking Track; (c) management of dust generated by project-related traffic on these roads; and (d) review of the standard of maintenance of these roads and their intersections. 			
36.	20.	The Proponent must use its best endeavours to meet with the Riverview Estate community on a bimonthly basis during the development of the Traffic Management Plan to consult with and inform the community over progress in developing the plan and consultation in respect of the Roach Road speed limit. The Proponent must implement the plan as approved by the Secretary.	Consultation with the Riverview Estate community verified during the previous audit.	Compliant	
VISUAL	AMENIT	Y			
37.	21.	The Proponent must: (a) minimise the visual impacts, and particularly the off-site lighting impacts, of the project; (b) take all practicable measures to further mitigate off-site lighting impacts from the project; and (c) ensure that all external lighting associated with the project complies with Australian Standard AS4282 (INT) 1995 - Control of Obtrusive Effects of Outdoor Lighting, or its latest version, (d) to the satisfaction of the Secretary.	The Wagga Wagga Quarry is not visible from the residences of the Riverview Estate on Roach Road (the closest residential development). The location of the quarry is screened from the surrounding environment by the Roach Road alignment, vegetative growth along the road-side, and the established native vegetation along the Murrumbidgee River banks and floodplain. (b) The operation of the quarry occurs Monday – Friday 6.00 am-6.00 pm and Saturdays 8.00 am-1.00 pm. No night lighting is used on the site. In accordance with the Statement of Commitment - 1.8 Visual, Hanson has retained the exclusion zone between the quarry development and the riparian zone and the existing vegetation buffer protected.	Compliant	
WASTE					
38.	22.	The Proponent must dispose of processing fines in a pit or other location agreed to by the Secretary, and must not dispose of fines on the flood plain surface after 31 December 2012.	No disposal of processing fines has occurred to the flood plain surface since 31 December 2012. I was reported that fines were sold as a grit product and used for backfilling of cells.	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
39.	23.	The Proponent must: (a) minimise the waste generated by the project; and (b) ensure that the waste generated by the project is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary.	All waste generated by the Wagga Wagga Quarry project was observed to be appropriately stored, handled, and managed for disposal. Facility had been provided for the segregation of wastes (metal, used oil containers, general waste). General waste collected monthly. Waste receipts available. Waste oil from servicing removed by mechanic at time of servicing. Consider maintaining a waste register for the site.	Compliant	
40.	24.	The Proponent must prepare a Waste Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with EPA, and submitted the Secretary for approval by the end of June 2012; (b) identify the various waste streams of the project; (c) estimate the volumes of waste material that would be generated by the project; (d) describe and justify the proposed strategy for disposing of this waste material; (e) describe what measures would be implemented to meet the requirements set out in condition 27; and (f) include a program to monitor the effectiveness of these measures. The Proponent must implement the plan as approved by the Secretary.	The Waste Management Plan prepared July 2014. Verified previous audit. Updated November 2016 and approved on 2 February 2017.	Compliant	
REHABI	LITATIO	N			
41.	25.	Rehabilitation Management Plan The Proponent must prepare a Rehabilitation Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with OEH, Dol and DRG and must be submitted to the Secretary for approval in conjunction with the Water Management Improvement Program. The plan must: (q) consider the rehabilitation plans presented in the EA; (r) assess the quantity and availability of materials on site that can be applied to rehabilitation (including overburden, tailings, reject, existing levee banks and pit walls); (s) consider all options regarding the re-establishment of the pit wall and river bank in the vicinity of the breach which took place in December 2010;	The Rehabilitation Management Plan (dated September 2014) for the Wagga Wagga Quarry Extension was prepared and submitted to the DPIE. Comments received from the DPIE on 7 June 2015 and 2 February 2017 were addressed by Hanson and consultation with the relevant agencies. It was noted by DPIE that the Rehabilitation Management Plan had not been submitted to DP&E on 19 June 2017 or the revised document be submitted by the 19 July 2017. The RMP was subsequently submitted 4/08/2017, and updated and resubmitted on the 19/10/2017. The RMP was further amended and resubmitted and approved 29/11/2017. Rehab monitoring – quarterly visual inspections (Section 6 RMP)	Not Compliant	NC-06



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 (t) consider likely flood behaviour and impacts on the landscape as proposed to be rehabilitated (including during each of the various rehabilitation stages); (u) consider available alternative land uses for the site, including for the exhausted quarry pits; (v) review what parts of the site should be refilled to a level above standing groundwater, so as to manage flood behaviour and other long term risks; (w) address the issue of fines disposal so as to prevent fines being eroded from the landscape during major flood events or being a source of dust emissions during dry periods; (x) develop clear rehabilitation objectives for the whole site, including the following: stabilisation of disturbed areas to prevent the emission of dust following closure; landscaping the site with native species endemic to the locality; and minimising the total surface area of water bodies on the site; consider opportunities to enhance wildlife habitat on the rehabilitated project site, in particular in and around artificial water bodies and wetlands; (z) develop clear, progressive rehabilitation staging for the whole site, including specific milestone dates for rehabilitation works and a program for monitoring progress against these dates; (aa) address potential conflicts between the rehabilitation of the existing extraction pit and its proposed use as a settling pond; (bb) demonstrate that all reasonable and feasible measures have been applied to minimise the total surface area of water-filled voids on the site; (cc) set completion criteria for the rehabilitation of the site; (dd) describe in detail the measures that would be implemented over the next 5 years to rehabilitate and manage the landscape on the site; (ee) describe how the performance of these measures would be monitored over time; and (ff) provide for regular auditing of progress against rehabilitation outcomes and milestones, with repor			
42.	26.	Rehabilitation Bond Within 3 months of the approval of the Rehabilitation Management Plan, the Proponent must lodge a rehabilitation bond for the project with the Secretary. The sum of the bond must be calculated at \$2.50/m2 for the total area both	Rehabilitation Plan approved 29/11/2017.	Not Compliant	NC-07



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		currently disturbed and proposed to be disturbed for the following 3 year period, or as otherwise directed by the Secretary. Notes:	Email from Resource Assessments/ Planning Services providing extension of time to 11/03/2019 for submission of the Bank Guarantee.		
		If the rehabilitation is completed to the satisfaction of the Secretary,	Records provided show bank guarantee lodged 11/03/2019.		
		 the Secretary will release the rehabilitation bond. If the rehabilitation is not completed to the satisfaction of the Secretary, the Secretary will call in all or part of the rehabilitation bond, and arrange for the satisfactory completion of the relevant works. 	The rehabilitation bond had not been provided within 3 months of the approval of the Rehabilitation Management Plan. It is noted that this use was the subject of a show cause notice issued by DPIE to Hanson (24/01/2019).		
43.	27.	Within 3 months of each Independent Environmental Audit (see condition 8 in Schedule 5) after the initial lodgement of the rehabilitation bond, the Proponent must review, and if necessary revise the sum of the bond to the satisfaction of the Secretary.	This is the first Independent Environmental Audit of the project since initial lodgement of the rehabilitation bond.	Not triggered	
		This review must consider: (a) the effects of inflation; (b) any changes to the total area of disturbance; and (c) the performance of the rehabilitation against the completion criteria of the Rehabilitation Management Plan.			

AUDIT CHECKLIST Conditions	of Approval 07	_0069 MOD_1
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AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
SCHEDU	JLE 4 – A	ADDITIONAL PROCEDURES			
NOTIFIC	ATION O	F LANDOWNERS			
44.	1.	Within 3 months of this approval, the Proponent must notify, in writing, the landowners of all residences located within one kilometre of any of the project site boundaries of their right to request monitoring in accordance with condition 3 below.	Verified previous audit	Compliant	
45.	2.	If the results of the monitoring required in Schedule 3 identify that the impacts generated by the project on site are greater than the relevant impact assessment criteria, and there is no negotiated agreement in place to allow the impact, then within 2 weeks of obtaining the monitoring results the Proponent must:	No result have indicated an impact from quarrying operations on surrounding landowners.	Not triggered	
		 (a) notify the Secretary, the affected landowners and tenants (including tenants of any quarry-owned properties) accordingly, and provide monitoring results to each of these parties until the results show that the project is complying with the relevant criteria in Schedule 3; and (b) in the case of exceedances of the relevant air quality criteria, send the affected landowners and tenants (including tenants of mine-owned properties) a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time). 			
INDEPE	NDENT R				
46.	3.	If a landowner of privately-owned land considers the project to be exceeding the relevant air quality or noise impact assessment criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the project on his/her land.	No requests have been received.	Not Triggered	
		If the Secretary is satisfied that an independent review is warranted, the Proponent must within 2 months of the Secretary's decision: (a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Secretary, to: • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the project is complying with the relevant impact assessment criteria in Schedule 3; and • if the project is not complying with these criteria then: - determine if more than one source, including the project, is responsible for the exceedance, and if so the relative share of each source towards the impact on the land;			



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 identify the measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Secretary and landowner a copy of the independent review. 			
47.	4.	If the independent review determines that the project is complying with the relevant impact assessment criteria in Schedule 3, then the Proponent may discontinue the independent review with the approval of the Secretary. If the independent review determines that the project is not complying with the relevant impact assessment criteria in Schedule 3, and that the project is primarily responsible for this non-compliance, then the Proponent must: (a) implement all reasonable and feasible mitigation measures, in consultation with the landowner and appointed independent expert, and conduct further monitoring until the project complies with the relevant criteria; or (b) secure a written agreement with the landowner to allow exceedances of the relevant impact assessment criteria,	No independent reviews required.	Not Triggered	
48.	5.	If the independent review determines that any relevant impact assessment criteria in Schedule 3 are being exceeded, but that more than one source, including the project, is responsible for this non-compliance, then the Proponent must, together with the relevant sources: (a) implement all reasonable and feasible mitigation measures, in consultation with the landowner and appointed independent expert, and conduct further monitoring until there is compliance with the relevant criteria; or (b) secure a written agreement with the landowner and other relevant sources to allow exceedances of the relevant impact assessment criteria in Schedule 3,	No independent reviews required.	Not Triggered	



AQUAS Ref No	Cond . No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
SCHEDU	ILE 5 – E	NVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING			
ENVIRO	NMENTA	L MANAGEMENT			
49.	1.	 Environmental Management Strategy The Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must: (a) be submitted to the Secretary for approval with 6 months of the date of this approval; (b) provide the strategic framework for environmental management of the project; (c) identify the statutory approvals that apply to the project; (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project; (e) describe the procedures that would be implemented to: keep the local community and relevant agencies informed about the operation and environmental performance of the project; receive, handle, respond to, and record complaints; resolve any disputes that may arise during the course of the project; respond to any non-compliance; and respond to emergencies; and (f) include: references to any strategies, plans and programs approved under the conditions of this approval; and a clear plan depicting all the monitoring required to be carried out under the conditions of this approval. The Proponent must implement the strategy as approved by the Secretary. 	Environmental Management Strategy July 2017 available. Consider updating the EMS to ensure that it reflects current site approvals (e.g. Truck movements permitted between 3pm and 6pm, Water licences 40BL190719 and 40BL190720 replaced by WAL 33474, Project Approval 07_0069 (MOD1)). Environmental Inductions Sighted induction for DG – From Contractor Cabs and (Driver) including Truck Driver Code of Conduct. Employee – JA induction 17/09/19. Includes Emergency Plan available – Includes see photo Transport - Incident register is to be audited at three monthly intervals. No records of auditing. Incidents are register in IRIS (Integrated Risk Information System). No incidents have occurred in 2020. Annual aerial survey – could not determine when last survey was completed. Section 4.3 Non-compliance does not consider EPA requirements (notifying DPIE)	Not Compliant	NC-08
50.	2.	 Management Plan Requirements The Proponent must ensure that the management plans required under this approval are prepared in accordance with relevant guidelines, and include: (a) a summary of baseline data; (b) a description of: the relevant statutory requirements (including any relevant approval, licence or lease conditions); any relevant limits or performance measures/criteria; and the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; 	Verified previous audit. Management plans have been prepared, submitted to DPIE for review and approved.	Compliant	



AQUAS Ref No	Cond . No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; (d) a program to monitor and report on the: impacts and environmental performance of the project; and effectiveness of any management measures (see (c) above); (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible; (f) a program to investigate and implement ways to improve the environmental performance of the project over time; (g) a protocol for managing and reporting any: incidents; complaints; non-compliances with the conditions of this approval and statutory requirements; and exceedances of the impact assessment criteria and/or performance criteria; and (h) a protocol for periodic review of the plan. Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans. 			
51.	3.	Annual Review By the end of June 2012, and annually thereafter, the Proponent must review the environmental performance of the project to the satisfaction of the Secretary. This review must: (a) describe the development (including any rehabilitation) that was carried out in the past year, and the development that is proposed to be carried out over the next year; (b) include a comprehensive review of the monitoring results and complaints records of the project over the past year, which includes a comparison of these results against the: • relevant statutory requirements, limits or performance measures/criteria; • monitoring results of previous years; and relevant predictions in the documents referred to in condition 2 of Schedule 2; (c) identify any non-compliance over the past year, and describe what actions were (or are being) taken to ensure compliance; (d) identify any trends in the monitoring data over the life of the project;	Annual reviews have been completed for the period covered by this audit.	Compliant	



AQUAS Ref No	Cond . No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 (e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and (f) describe what measure will be implemented over the next year to improve the environmental performance of the project. 			
52.	4.	Revision of Strategies, Plans & Programs Within three months of: (e) the submission of an annual review under condition 3 above; (f) the submission of an incident report under condition 6 below; (g) the submission of an audit report under condition 8 below, or (h) any modification of the conditions of this approval (unless the conditions require otherwise), the Proponent must review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary. Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.	No evidence of review of management plans following the submission of an annual reviews, incident reports or audit reports.	Not Compliant	NC-09
53.	5.	Community Consultative Committee The Proponent must establish and operate a Community Consultative Committee (CCC) for the project in general accordance with the Community Consultative Committee Guidelines: State Significant Projects (2016), or alternative consultative framework as may be agreed by the Secretary, to the satisfaction of the Secretary. This CCC or alternative framework must be operating within 6 months of this approval and have a principal but not exclusive focus on stakeholders owning or occupying properties in the Riverview Estate, to the satisfaction of the Secretary. Notes: The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval. In accordance with the guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, Council, recognised environmental groups and the local community.	CCC established Previously conducted 6 monthly. Conducted annually since February 2018. Noted that the meeting for 2020 was delayed due to Covid-19. Virtual meeting conducted in August 2020. Meeting minutes were provided on the company website.	Compliant	



AQUAS Ref No	Cond . No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
REPORT	ING				
54.	6.	Incident Reporting The Proponent must notify the Secretary and any other relevant agencies of any incident that has caused, or has the potential to cause, significant risk of material harm to the environment, at the earliest opportunity. For any other incident associated with the project, the Proponent must notify the Secretary and any other relevant agencies as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	Six breaches in transport movements between July and October 2017. During an EPA site inspection on 1/08/2018, it was found that sediment laden water was seeping into the wetland on site, and drums containing oils had not been correctly stored. These issues were not reported to DPIE as soon as practicable and a report provided within 7 days. The report was provided on 22 November 2018. DPIE issued a formal warning letter on 20/12/2018. Hanson provided a response to the warning letter on 23/01/2019, which identified that the discharge to the wetland was in accordance with the approved Water Management Plan. During preparation of the 2016-2017 AEMR, six occasions were identified where the number of vehicles movements had exceeded limits stipulated in the Project Approval Schedule 2, Condition 6. Notification to DPIE occurred on 2/11/2017. A Penalty Notice was issued by DPIE on 23/10/2017.	Not compliant	NC-10
55.	7.	Regular Reporting The Proponent must provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any approved plans or programs of the conditions of this approval.	Air particulate matter results, groundwater monitoring not available on the website. Transport data for 2020 not available on website.	Not compliant	NC-12
INDEPE	NDENT E	INVIRONMENTAL AUDIT			
56.	8.	By the end of June 2014, and every three years thereafter, unless the Secretary directs otherwise, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:	Previous audit conducted on 11 July 2017. Submitted 25/08/2017.	Compliant	
		 (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; (b) include consultation with the relevant agencies and CCC; (c) assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals); (d) review the adequacy of any approved strategies, plans or programs required under these approvals; and, if appropriate 	Noted that extension of time had been provided for current audit, which is required to be conducted prior to the end of September 2020. Audit conducted 21 September 2020.		



AQUAS Ref No	Cond . No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
		 recommend measures or actions to improve the environmental performance of the project, and/or any strategy, plan or program required under these approvals. 			
		Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.			
57.	9.	Within six weeks of the completing of this audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	Previous audit conducted on 11 July 2017. Submitted 25/08/2017. Audit report not provided within 6 weeks on completing the audit. Response to recommendations not provided with audit report	Not Compliant	NC-11
ACCESS	TO INFO	DRMATION			
58.	10.	From the end of June 2012, the Proponent must: (c) make copies of the following publicly available on its website: • the documents referred to in condition 2 of Schedule 2; • all current statutory approvals for the project; • all approved strategies, plans and programs required under the conditions of this approval; • the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans or programs; • a complaints register, updated on a monthly basis; • the annual reviews of the project; • any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit; and • any other matter required by the Secretary; (d) keep this information up-to-date, to the satisfaction of the Secretary.	The following information was not provided on the website:	Not Compliant	NC-12

AUDIT CHECKLIST EPL 2433 Project: AQ1291 Company: Hanson Construction Materials Date: 21/09/2020

Audit Checklist – Environmental Protection Licence 2433

AQUAS Ref No	Cond No.	Condition			Finding	Compliance rating	Assessment Issue #
		oplied to the EPA					
1 Adminis		This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition. > 100000 - 500000 T annually extracted or processed			July 2017 to -June 2018 - 99,599 tonnes July 2018 to June 2019 - 69,517 tonnes July 2019 to June 2020 - 99,599 tonnes. Note figures are for financial year.	Compliant	
3 Limit Co							
L1 Pollution						T - "	
2.	L1.1	Except as may be express the licensee must comply to Environment Operations A	with section 120 of the			Compliant	
L2 Concer	ntration I	Limits					
3.		For each monitoring/discharge point or utilisation area specified in the table\s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table. POINT 1			No water has been discharged from the site during the period covered by this audit.	Not Triggered	
		Pollutant	Unit of Measure	100 Percentile Concentration Limit			
		Total suspended Solids	Mg/L	50			
L3 Volume							
4.	L3.1	For each discharge point or utilisation area specified below (by a point number), the volume/mass of: a) liquids discharged to water; or; b) solids or liquids applied to the area; must not exceed the volume/mass limit specified for that discharge point or area. Point Unit of Measure Volume/Mass Limit			No water has been discharged from the site during the period covered by this audit.	Not Triggered	
			kilolitres per hour	350			
4 Operatin							
5.	01.1	Activities must be carried Licensed activities must be This includes:			During the site visit it was observed that the processing, handling, movement and storage of materials and substances and processing, transport and disposal of	Compliant	



AQUAS Ref No	Cond No.	Condition	Finding	Compliance rating	Assessment Issue #
		a) the processing, handling, movement and storage of materials and substances used to carry out the activity; andb) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	waste generated by the Wagga Wagga Quarry was carried out in a competent manner.		
6.	02.1	Maintenance of plant and equipment All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner	ment installed at the premises or used in connection with Prestarts completed daily. Servicing conducted by contractor. Sighted WA470-6 service report 750 hours 19/08/2020; 500hrs		
7.	03.1	Dust The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	No dust was noted during the site audit inspection. The nature of the material excavated and processed at the Wagga Wagga Quarry is coarse and moist and does not tend to generate fines that result in dust generation. A water cart was used on site for dust suppression on roadways.	Compliant	
		Recording Conditions			
M1 Monito					T
8.	M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Monitoring records were available.	Compliant	
9.	M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form; b) kept for at least 4 years after the monitoring or event to which they relate took place; and c) produced in a legible form to any authorised officer of the EPA who asks to see them.	Records were available for >4 years electronically and provided on the company website.	Compliant	
10.	M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) the date(s) on which the sample was taken; b) the time(s) at which the sample was collected; c) the point at which the sample was taken; and d) the name of the person who collected the sample	Information required was included in sampling and monitoring reports.	Compliant	
	_	monitor concentration of pollutants discharged			ı
11.	M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining	Dust deposition monitoring conducted in accordance with AS3580.10.1-2003.	Compliant	



AQUAS Ref No	Cond No.			Condition		Finding	Compliance rating	Assessment Issue #
101110	1. The licens		Its by analysis) the concentration of each pollutant specified in Column ne licensee must use the sampling method, units of measure, and ple at the frequency, specified opposite in the other columns:		od, units of measure, and			
12.	M2.2					Dust deposition gauges were installed at points 2,3,4,5,6. Dust deposition monitoring conducted in accordance		
		Pollutant	Unit of Measure	Frequency	Sampling Method	with AS3580.10.1-2003.		
		Total Solid Particles	g/m ² /month	Quarterly	Method approved in writing by the Authority			
	g method	ds - concentratio						
13.	M3.1	be conducted by a) any method the testing b) if no such r methodolo that testing c) if no such r condition of	e concentration this licence medology which is of the concentequirement is in gy which a cong; equirement is in equirement is in of this licence, in equires of	n of a pollutanust be done in required by o tration of the produced by or ndition of this I mposed by or any methodological pollutants.	t emitted to the air required to accordance with: r under the Act to be used for	Dust deposition conducted in accordance with AS3580.10.1-2003.	Compliant	
M4 Recor	ding of p	ollution complain	nts					
14.	M4.1	The licensee mu	ıst keep a legib employee or aç	gent of the lice	l complaints made to the nsee in relation to pollution applies	Complaints register maintained. No complaints have been lodged during the period covered by this audit (July 2017 to August 2020).	Compliant	
15.	M4.2	The record must a) the date an b) the method c) any person complaina d) the nature e) the action t any follow	t include details of time of the color the color the color the color the complair taken by the licup contact with	s of the following omplaint; complaint was e complainant h details were nt; ensee in relating the complain	made; which were provided by the provided, a note to that effect; on to the complaint, including	Complaints register maintained. No complaints have been lodged during the period covered by this audit (July 2017 to August 2020).	Compliant	
16.	M4.3	complaint was m	nade.		least 4 years after the	Complaints register maintained December 2012 to present.	Compliant	
17.	M4.4	The record must asks to see then		o any authoris	ed officer of the EPA who	Records were readily available on electronically.	Compliant	



AQUAS Ref No	Cond No.	Condition	Finding	Compliance rating	Assessment Issue #
M5 Teleph	none com	plaints line			
18.	M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	24 hr Telephone complaints line maintained - 1800 882 478. Provided on complaints register on website. Also include Wagga Wagga Quarry Manager on 0407 060 169	Compliant	
19.	M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Complaints line number included on complaints register on the company website.	Compliant	
20.	M5.3	The preceding two conditions do not apply until 3 months after: a) the date of the issue of this licence or b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.		Compliant	
M6 Requir	rement to	monitor volume or mass			
21.	M6.1	For each discharge point or utilisation area specified below, the licensee must monitor: a) the volume of liquids discharged to water or applied to the area; b) the mass of solids applied to the area; c) the mass of pollutants emitted to the air; at the frequency and using the method and units of measure, specified below.	No discharge of water from the Wagga Wagga Quarry between July 2017 to August 2020.	Not triggered	
6 Reportir	ng Condi	Frequency Unit of Measure Sampling Method 1 kilolitres per day By Calculation (volume flow rate or pump capacity multiplied by operating time)			
R1 Annua	l return o	locuments			
22.	R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and	Annual return for 2019 submitted 13/01/2020 Annual return for 2018 submitted 21/12/2018 Annual return for 2017 submitted 19/12/2017	Compliant	



AQUAS	Cond	Condition	Finding	Compliance	Assessment
Ref No	No.			rating	Issue #
		7. a Statement of Compliance - Environmental Management Systems and			
		Practices.			
		At the end of each reporting period, the EPA will provide to the licensee a			
	_	copy of the form that must be completed and returned to the EPA.			
23.	R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Annual Returns provided for 2017, 2018, and 2019.	Compliant	
24.	R1.3	Where this licence is transferred from the licensee to a new licensee:		Not triggered	
		a) the transferring licensee must prepare an Annual Return for the period			
		commencing on the first day of the reporting period and ending on the date			
		the application for the transfer of the licence to the new licensee is granted;			
		and			
		b) the new licensee must prepare an Annual Return for the period			
		commencing on the date the application for the transfer of the licence is			
25.	R1.4	granted and ending on the last day of the reporting period. Where this licence is surrendered by the licensee or revoked by the EPA or		Not triggered	
25.	K1.4	Minister, the licensee must prepare an Annual Return in respect of the		Not triggered	
		period commencing on the first day of the reporting period and ending on:			
		a) in relation to the surrender of a licence - the date when notice in writing			
		of approval of the surrender is given; or			
		b) in relation to the revocation of the licence - the date from which notice			
		revoking the licence operates.			
26.	R1.5	The Annual Return for the reporting period must be supplied to the EPA by	Annual return required to be submitted within 60 days	Compliant	
		registered post not later than 60 days after the end of each reporting period	after 14 November. (by 13 January).		
		or in the case of a transferring licence not later than 60 days after the date	All annual returns have been submitted within the		
		the transfer was granted (the 'due date').	required timeframe.		
27.	R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA	Annual returns maintained	Compliant	
		for a period of at least 4 years after the Annual Return was due to be			
5011 111		supplied to the EPA.			
	ation of	environmental harm	On a new antable in side of head a second		1
28.		R2.1 Notifications must be made by telephoning the Environment Line	One reportable incident had occurred.	Compliant	
		service on 131 555	Sediment laden water was found to be entering the		
			dedicated wetland during an EPA inspection on		
29.		R2.2 The licensee must provide written details of the notification to the EPA	1/08/2018.	Compliant	
29.		within 7 days of the date on which the incident occurred	•	Compliant	
R3 Writter	n report	within 7 days of the date off which the incident occurred			
30.	R3.1	Where an authorised officer of the EPA suspects on reasonable grounds	Sediment laden water was found to be entering the	Compliant	
00.	1.0.1	that:	dedicated wetland during an EPA inspection on	Compilant	
		a) where this licence applies to premises, an event has occurred at the	1/08/2018.		
		premises; or	Formal waring issued.		
		F		1	l .



AQUAS Ref No	Cond No.	Condition	Finding	Compliance rating	Assessment Issue #
		b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	Investigation determined that the water was being managed in accordance with the Water Management Plan. Response to formal warning provided 20/11/2018.		
31.	R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request		Not Triggered	
32.	R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.		Not Triggered	
33.	R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.		Not Triggered	
7 General					
	•	kept at the premises or plant	Capy of license available on site	Compliant	l e
34.	G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Copy of licence available on site.	Compliant	
35.	G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	Copy of licence available on site.	Compliant	
36.	G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Copy of licence available on site.	Compliant	



Appendix D. – Consultation Records



From: Hart, James

Sent: Wednesday, 9 September 2020 9:18 AM
To: Georgia.Dragicevic@planning.nsw.gov.au

Subject: Moorong Quarry - Independent Environmental Audit

Hi,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Moorong Quarry at Wagga Wagga operated by Hanson Construction Materials. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

If you have any questions or prefer to talk to someone about issues regarding the development, you can contact me on 0408238682.

Please note that the on-site component of the audit will be conducted on 23 September 2020.

Regards

James Hart | Management Consultant

Certified Exemplar Global Lead OHS Auditor Certified Exemplar Global Lead Environmental Auditor Certified Exemplar Global Lead Quality Management System Auditor

Please note part time: Monday to Thursday

AQUAS | Level 2, 426 King Street, Newcastle NSW 2300 | PO Box 2195, Dangar NSW 2309 |

phone: +61 2 4928 7600 | fax: +61 2 4927 0930 | Mobile: +61 408 238 682

email: james.hart@aquas.com.au | ABN 40050539010 |

www.aquas.com.au

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Please consider the environment before printing this email.





From: Jessica Creed <Jessica.Creed@epa.nsw.gov.au>
Sent: Monday, 21 September 2020 11:41 AM

To: Hart, James

Subject: RE: Moorong Quarry Wagga Wagga - Independent Environmental Audit

Hi James,

Thank you for your email.

Hanson Construction Materials Pty Ltd hold Environment Protection Licence No 2433 for quarrying activities occurring at Roach Road Wagga Wagga.

EPA's Public Register contains information on all our licensed premises. This includes a copy of the licence for the premises, annual return data including any listed non-compliances and details on any notices issued to the licensee. I would recommend having at look at that information and seeking further details about any non-compliances that have been identified and what the outcomes were. I would also recommend asking them to show how they are complying with each of the conditions listed in the licence.

The EPAs public register is available at https://apps.epa.nsw.gov.au/prpoeoapp/

Regards

Jessica Creed

Unit Head Regional West Operations Regulatory Operations Regional Ph:02 6983 4931 Mb:0409 831 040

Jessica.Creed@epa.nsw.gov.au www.epa.nsw.gov.au D@EPA_NSW

Report pollution and environmental incidents 131 555 (NSW only) or +61 2 9995 5555



Please send all official electronic correspondence to riverina.farwest@epa.nsw.gov.au

From: Hart, James <james.hart@aquas.com.au> Sent: Wednesday, 9 September 2020 10:34 AM

To: EPA RSD Riverina Far West Region Mailbox <riverina.farwest@epa.nsw.gov.au>
Subject: Moorong Quarry Wagga Wagga - Independent Environmental Audit

Ηij

AQUAS has been engaged to undertake an Independent Environmental Audit of the Moorong Quarry at Wagga Wagga operated by Hanson Construction Materials. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

1



From: Robert Wighton rwighton@bigpond.net.au Sent: Wednesday, 9 September 2020 12:33 PM

To: Hart, James

Subject: Re: Moorong Quarry - Independent Environmental Audit

Hi James.

Please be advised that I have no issues with the way Hansons conduct their business at Moorong Quarry at Wagga Wagga.

Kind regards, Robert Wighton

----- Original Message ------

From: "Hart, James" <james.hart@aquas.com.au>

To: "rwighton@bigpond.net.au" <rwighton@bigpond.net.au>

Sent: Wednesday, 9 Sep, 2020 At 9:19 AM

Subject: Moorong Quarry - Independent Environmental Audit

Hi Robert,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Moorong Quarry at Wagga Wagga operated by Hanson Construction Materials. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

If you have any questions or prefer to talk to someone about issues regarding the development, you can contact me on 0408238682.

Please note that the on-site component of the audit will be conducted on 23 September 2020.

Regards





From: Hart, James

Sent: Wednesday, 9 September 2020 9:19 AM To: Otieno.Sylvester@wagga.nsw.gov.au

Subject: Moorong Quarry - Independent Environmental Audit

Hi,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Moorong Quarry at Wagga Wagga operated by Hanson Construction Materials. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

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Please note that the on-site component of the audit will be conducted on 23 September 2020.

Regards

James Hart | Management Consultant

Certified Exemplar Global Lead OHS Auditor Certified Exemplar Global Lead Environmental Auditor Certified Exemplar Global Lead Quality Management System Auditor

Please note part time: Monday to Thursday

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email: james.hart@aquas.com.au | ABN 40050539010 |

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AREQ0012191

Mr James Hart AQUAS Level 2, 426 King Street Newcastle NSW 2300 By email: james.hart@aquas.com.au

Dear Mr Hart

Subject: Moorong Quarry, Wagga Wagga

Thank you for your email dated 9 September 2020 requesting consultation on the independent audit to be undertaken of the Moorong Quarry, Wagga Wagga.

Records held by the NSW Resources Regulator (the Regulator) indicate that there are no mining leases under the *Mining Act 1992* currently associated with the quarry. As such, the Regulator does not have any requirements for the independent audit.

Yours sincerely

Jenny Ehmsen Principal Compliance Auditor

14 September 2020





Wagga Wagga Quarry

Action Plan 2020

Issue No.	Condition	Requirement	Issue sighted	Hanson response	Due date
IC-01	Schedule 2, Condition 2	The Proponent must carry out the project generally in accordance with the: (a) EA; (b) EA (MOD 1) (c) Statement of Commitments; and Note: The general layout of the project is shown in Appendix 1 and intended project staging as shown in Appendix 2.	Thirteen non-compliances were raised where compliance with the conditions of consent was not demonstrated.	The Auditor's recommendation is that "Hanson should ensure that appropriate processes are developed and implemented to ensure compliance with the requirements of the conditions of consent." Hanson at Wagga Wagga Quarry aim for continuous improvement of processes related to compliance matters, including compliance with the conditions of consent. This ongoing refinement of processes occurs following any non-compliances (as detailed during the reporting process), but more importantly, it occurs on a proactive basis.	Ongoing.
NC-02	Schedule 2, Condition 6	The Proponent must not: (a) transport more than 150,000 tonnes of product from the site per calendar year; (b) permit more than 12 heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 3:00 pm and 5:00 pm on any weekday; and permit more than six heavy vehicle movements per hour (total of all quarry haulage truck movements into and out of the site) between 5:00pm and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority.	Transport data from the 2017-2018 annual review show 6 exceedances of permitted truck movements - two (2) instances where the transportation movements exceeded the stipulated 3 dispatches per hour between the hours of 3pm-6pm.	This issue has now been rectified within the weighbridge with the SAP system (weighbridge operating system) and with the approval of MOD 1, which permits the despatch of up to 12 heavy vehicle movements between 3.00pm and 5.00pm.	None required.

	Schedule 3, Condition 5	The Proponent must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause an exceedance of the criteria listed in Tables 3, 4 or 5 at any residence on privately-owned land. Table 3: Long Term Criteria for Particulate Matter period July 2018 to June 2019 was 35 µg/m³, which was above the 30 µg/m³ annual limit as outlined in the Project Approval (background level 29.5 µg/m³). During this period there were 14 instances where PM ₁₀ levels exceeded the 24 hour average criterion of 50			2019 was 35 μ g/m³, which was above the 30 μ g/m³ annual limit as outlined in the Project Approval (background level 29.5 μ g/m³). During this period, there were 14 instances where PM ₁₀ levels exceeded the 24 hour	Hanson will follow auditor's recommendation and undertake a review of controls for managing dust emissions from site to ensure that all feasible measures are implemented. Consideration will be given to relocating the particulate monitor to the nearest affected residence. Please note that any exceedance during monitoring did not originate from the quarry and was due to poor background	Ongoing.
		Pollutant	Averaging Period	^d Criterion	November 2019 to	levels / summer bushfire period.	
		Total solid particles (TSP) Annual a 90 µg/m³ February 2020 there were					
		Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 μg/m ³	multiple exceedances of PM ₁₀ 24 hour average		
		Table 4: Short Term Criterion for Particulate Matter			criteria. These elevated results were attributed to weather conditions and NSW summer bushfires, not the result of quarry		
		Pollutant	Averaging Period ^d Criterion	d Criterion	operations.		
		Particulate matter < 10 µm (PM ₁₀)	24 hour	<mark>b</mark> 50 μg/m³			
NC-04	Schedule 3, Condition 7	Secretary for appro (b) describe the meas ensure compliance approval, including	e asultation with EPA, a coval within 6 months ures that would be in the with the relevant consideration of a remarkable that employs both on measures; and ag program that that ust deposition gauge d includes a protocol conditions of this appropriate that appro	and submitted to the of this approval; inplemented to onditions of this eal-time air quality in reactive and uses a combination is to evaluate the for determining proval. The	The AQMP states that PM ₁₀ monitoring will be conducted using a HVAS. However, a Dustrak was used to conduct PM ₁₀ particulate (and hence TSP) monitoring.	The Auditor's recommendation was that "Hanson should implement air particulate monitoring in accordance with the AQMP". Hanson will complete the required period of HVAS monitoring and update the AQMP to correctly reflect monitoring requirements of the site.	28 January 2021.

NC-05	Schedule 3,	Water Management Plan	Records were not available	The Auditor's recommendation was that	28 January 2021
	Condition 14	The Proponent must prepare a Water Management Plan for the project	to demonstrate that five-	"extant flood mitigation infrastructure	
		to the satisfaction of the Secretary. This plan must be prepared in	yearly inspection and	should be inspected and certified every 5	
		consultation with EPA and DoI and must be submitted to the Secretary	certification of all extant	years by an independent hydrological	
		for approval in conjunction with the Water Management Improvement	flood mitigation	specialist.".	
		Program. The plan must include:	infrastructure as fit for		
		• a program for:	purpose by an independent	Hanson will follow-up with Martens	
		O certification of these plans by an independent hydrological specialist,	hydrological specialist had	regarding inspection and certification of	
		prior to levee and fuse plug construction; and	been completed.	extant flood mitigation infrastructure.	
		o five-yearly inspection and certification of all extant flood mitigation			
		infrastructure as fit for purpose by an independent hydrological			
		specialist;			

NC-06	Schedule 3,	Rehabilitation Management Plan	Rehabilitation	Hanson will ensure that documentation is	Ongoing.
	Condition 25	The Proponent must prepare a Rehabilitation Management Plan for the	Management Plan had not	submitted within the required timeframes.	
		project to the satisfaction of the Secretary. This plan must be prepared	been submitted to DP&E		
		in consultation with OEH, DoI and DRG and must be submitted to the	on 19 June 2017 or the		
		Secretary for approval in conjunction with the Water Management	revised document be		
		Improvement Program. The plan must:	submitted by the 19 July		
		(a) consider the rehabilitation plans presented in the EA;	2017.		
		(b) assess the quantity and availability of materials on site that	The RMP was subsequently		
		can be applied to rehabilitation (including overburden,	submitted 4/08/2017, and		
		tailings, reject, existing levee banks and pit walls);	updated and resubmitted		
		(c) consider all options regarding the re-establishment of the	on the 19/10/2017. The		
		pit wall and river bank in the vicinity of the breach which	RMP was further amended		
		took place in December 2010;	and resubmitted and		
		(d) consider likely flood behaviour and impacts on the	approved 29/11/2017.		
		landscape as proposed to be rehabilitated (including during			
		each of the various rehabilitation stages);			
		(e) consider available alternative land uses for the site,			
		including for the exhausted quarry pits;			
		(f) review what parts of the site should be refilled to a level			
		above standing groundwater, so as to manage flood			
		behaviour and other long term risks;			
		(g) address the issue of fines disposal so as to prevent fines			
		being eroded from the landscape during major flood events			
		or being a source of dust emissions during dry periods;			
		(h) develop clear rehabilitation objectives for the whole site,			
		including the following:			
		 stabilisation of disturbed areas to prevent the emission of dus 			
		following closure;			
		 landscaping the site with native species endemic to the 			
		locality; and			
		 minimising the total surface area of water bodies on the site; 			
		(i) consider opportunities to enhance wildlife habitat on the			
		rehabilitated project site, in particular in and around			
		artificial water bodies and wetlands;			
		(j) develop clear, progressive rehabilitation staging for the			
		whole site, including specific milestone dates for			
		rehabilitation works and a program for monitoring progress			
		against these dates;			
		(k) address potential conflicts between the rehabilitation of th			
		existing extraction pit and its proposed use as a settling			
		pond;			

NC-07	Schedule 3, Condition 26	(I) demonstrate that all reasonable and feasible measures have been applied to minimise the total surface area of water-filled voids on the site; (m) set completion criteria for the rehabilitation of the site; (n) describe in detail the measures that would be implemented over the next 5 years to rehabilitate and manage the landscape on the site; (o) describe how the performance of these measures would be monitored over time; and (p) provide for regular auditing of progress against rehabilitation outcomes and milestones, with reporting of progress to the Secretary and DRG. The Proponent must implement the plan as approved by the Secretary. Rehabilitation Bond Within 3 months of the approval of the Rehabilitation Management Plan, the Proponent must lodge a rehabilitation bond for the project with the Secretary. The sum of the bond must be calculated at \$2.50/m2 for the total area both currently disturbed and proposed to be disturbed for the following 3 year period, or as otherwise directed by the Secretary. Notes: If the rehabilitation is completed to the satisfaction of the Secretary, the Secretary will release the rehabilitation bond. If the rehabilitation is not completed to the satisfaction of the Secretary, the Secretary will call in all or part of the rehabilitation bond, and arrange for the satisfactory completion of the relevant	The rehabilitation bond had not been provided within 3 months of the approval of the Rehabilitation Management Plan.	action required. No further action required.

NC-08	Schedule 5, Condition 1	Environmental Management Strategy The Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must: (a) be submitted to the Secretary for approval with 6 months of the date of this approval; (b) provide the strategic framework for environmental management of the project; (c) identify the statutory approvals that apply to the project; (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project; (e) describe the procedures that would be implemented to: • keep the local community and relevant agencies informed about the operation and environmental performance of the project; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; and • respond to emergencies; and (f) include: • references to any strategies, plans and programs approved under the conditions of this approval; and • a clear plan depicting all the monitoring required to be carried	Implementation of the following requirements of the EMS could not be verified: Auditing of the Transport-Incident register on a three-monthly basis; Annual aerial survey. The EMS had not been updated to reflect requirements of the current project approval (e.g. change to permitted truck movements) or changes to Water Access Licences. In addition, the EMS did not include EPA requirements for incident/non-compliance reporting.	The Auditor's recommendation was that "Hanson should ensure that all requirements of the EMS are implemented, and that records are maintained to verify implementation". The EMS should be updated to reflect the requirements of the current project approval and water access licences, and include EPA requirements for incident/non-compliance reporting". Hanson will update the EMS and implement a reminder system to ensure monitoring requirements such as transport incident register three monthly audit (no transport incidents have occurred to and from WWQ within the audit period) and annual aerial survey are completed and documented.	January 2021 / Ongoing.
NC-09	Schedule 5, Condition 4	The Proponent must implement the strategy as approved by the Secretary. Revision of Strategies, Plans & Programs Within three months of: (a) the submission of an annual review under condition 3 above; (b) the submission of an incident report under condition 6 below; (c) the submission of an audit report under condition 8 below, or (d) any modification of the conditions of this approval (unless the conditions require otherwise), the Proponent must review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary. Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.		The auditor's recommendation was that, "Hanson should ensure that management plans are reviewed in accordance with the requirements of Conditions of Consent. Records should be maintained to verify reviews had been completed and DPIE notified". Documentation of reviews will be maintained within the shared drive to prevent loss of documentation during staff change-over.	Ongoing.

NC-10	Schedule 5, Condition 6	Incident Reporting The Proponent must notify the Secretary and any other relevant agencies of any incident that has caused, or has the potential to cause, significant risk of material harm to the environment, at the earliest opportunity. For any other incident associated with the project, the Proponent must notify the Secretary and any other relevant agencies as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	immediately notified of all incidents as soon as practicable.		
NC-11	Schedule 5, Condition 9	Within six weeks of the completing of this audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	The previous audit report was not provided within 6 weeks on completing the audit. A response to recommendations not provided with audit report.	Hanson will ensure that independent audit reports, including a response to any recommendations in the report, are submitted to DPIE within the timeframes as identified in Schedule 5, Condition 9 of the conditions of consent.	Ongoing.

NC-12	Condition10	From the end of June 2012, the Proponent must: (a) make copies of the following publicly available on its website: • the documents referred to in condition 2 of Schedule 2; • all current statutory approvals for the project; • all approved strategies, plans and programs required under the conditions of this approval; • the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans or programs; • a complaints register, updated on a monthly basis; • the annual reviews of the project; • any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit; and • any other matter required by the Secretary; (b) keep this information up-to-date, to the satisfaction of the Secretary.	The following information was not provided on the website: • 2020 monitoring results for water and air quality • Truck movement data for 2020 • GW monitoring results • The proponent's response to previous audit findings • 2014 independent environmental audit report.	The Hanson website is currently undergoing a change-over to a new system which has resulted in some files either missed or a delay in information being uploaded to the website. All available missing information detailed during the audit was immediately provided to website coordinator and now sits within the Wagga Wagga Quarry website. Groundwater data is available within the site's annual reviews, which are available on the website.	Ongoing.
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