



Licence number	L4414/1968/12
Licence holder	Hanson Construction Materials Pty Ltd
ACN	009 679 734
Registered business address	Level 6, 35 Clarence Street SYDNEY NSW 2000
DWER file number	DER2017/001316
Duration	1/10/2015 to 30/09/2025
Date of issue	25/09/2015
Date of amendment	6/03/2024
Premises details	Herne Hill/Red Hill Quarry 945 Toodyay Rd RED HILL WA 6056 Being Lot 11 on Plan 3047 as defined by the map in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 12: Screening, etc. of material - premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	2,000,000 tonnes per annual period
Category 13: Crushing of building material - premises on which waste building or demolition material (for example, bricks stones or concrete) is crushed or cleaned.	100,000 tonnes per annum

This licence is granted to the licence holder, subject to the attached conditions, on 6 March 2024, by:

Timothy Moran

A/MANAGER RESOURCE INDUSTRIES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

L4414/1968/12 (amended 6 March 2024)

Licence history

Date	Instrument number	Summary of changes
01/10/2010	L4414/1968/11	Licence re-issue
24/09/2015	L4414/1968/12	Licence re-issue; increase to premises capacity
24/06/2020	L4414/1968/12	DWER initiated Licence amendment to extend expiry date to 30 September 2025, updates to definitions, update to premises' correct address and the removal of redundant conditions.
5/03/2024	L4414/1968/12	Addition of category 13 for the crushing, screening and stockpiling of concrete material sourced from Hanson concrete batch plants.

Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Screening and crushing plant including: <ul style="list-style-type: none"> • Screenhouse • Primary crusher • Secondary crusher • Tertiary crusher • Quaternary crusher • Conveyors • Wash pond and water recycling system 	<ul style="list-style-type: none"> • Dust controls maintained and operated as per manufacturer's specification • Noise controls maintained and operated as per manufacturer's specifications • Use of water carts for dust suppression • Only concrete material sourced from the licence holder's concrete batching plants may be crushed. 	Depicted in Figure 4
Stockpiles	<ul style="list-style-type: none"> • Aggregate products wetted down prior to, or during loading • Water carts and water cannons available to reduce dust generation • Ensure stormwater runoff from the stockpiles runs through two sediment traps prior to the water entering the southern dam • Ensure settlement traps are regularly cleaned and water retained 	

2. The licence holder must immediately recover, or remove and dispose of, spills of environmentally hazardous materials including fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.
3. The licence holder must ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 2.

Table 2: Containment infrastructure

Storage vessel or compound	Material	Requirements
North Water Storage Dam	Site run-off/ Stormwater	

South West Water Storage Dam	Site run-off/ Stormwater	None specified
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4. The licence holder must ensure that the drainage on the Premises is managed such that all contaminated stormwater generated on the Premises is retained on the Premises.
5. The licence holder must ensure that vehicle washdown areas are equipped with oil/water interceptors and provisions to ensure detergent or solvent contaminated waters are retained on the Premises.
6. The licence holder must ensure that the category 13 material to be crushed, screened and/or stockpiled is only to comprise of un-used concrete sourced from the licence holder's off-site concrete batching plants.

Emissions and discharges

General

7. The licence holder must record and investigate the exceedance of any descriptive or numerical limit specified in any part of the emissions section of this licence.

Point source emissions to surface water

8. The licence holder must ensure that where waste is emitted to surface water from the emission points in Table 3 and identified on the map of emission points in Figure 2 it is done so in accordance with the conditions of this licence.

Table 3: Emission points to surface water

Emission point reference and location on map of emission points	Description	Source including abatement
L1	North Water Storage Dam overflow discharge to Susannah Brook	Stormwater via settlement/retention on dam

Fugitive emissions

9. The licence holder must ensure fugitive dust emissions are managed in accordance with the parts of the document specified in Table 4.

Table 4: Management Plans

Management Plan Reference	Parts	Date of Document
Dust Management Plan – Red Hill Quarry	Sections 3.4 – 3.6	22/03/2013 Version 2.05

Noise/Vibration

10. The licence holder must manage emissions such that they do not cause an exceedance of the limits in Table 5.

Table 5: Noise/Vibration Emission limits

Monitoring point reference	Parameter	Limit (including units)	Reference period
Blast monitoring site at eastern end of William Street, 2.4km east of the Premises	Peak particle velocity	10 mm/sec	Any single blast
		Not more than one blast shall exceed 5 mm/sec	Any 10 consecutive blasts (regardless of interval between blasts)

Monitoring

General monitoring

11. The licence holder must ensure that:
 - (i) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (ii) all surface water sampling is conducted in accordance with AS/NZS 5667.4, AS/NZS 5667.6 or AS/NZS 5667.9 as relevant; and
 - (iii) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
12. The licence holder must ensure that monthly monitoring is undertaken at least 15 days apart.
13. The licence holder must record production or throughput data and any other process parameters relevant to any non-continuous or CEMS monitoring undertaken.
14. The licence holder must ensure that all monitoring equipment used on the Premises to comply with the conditions of this licence is calibrated in accordance with the manufacturer's specifications and the requirements of the licence.
15. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.
 - (a) **Ambient environmental quality monitoring**
16. The licence holder must undertake the monitoring in Tables 6 and 7 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 6: Monitoring of ambient surface water quality

Monitoring point reference and location	Parameter	Limit	Units	Averaging period	Frequency
W1, W3, W4, W5, W6	Total suspended solids (TSS)	-	mg/L	Spot sample	Monthly (July – October)
	Total dissolved solids	-	mg/L		
	Chloride	-	mg/L		

W2	pH	-	-		
	Oil & Grease	-	mg/L		
	Total suspended solids	TSS at site W1 + 80	mg/L		
	Total dissolved solids	-	mg/L		
	Chloride	-	mg/L		
	pH	-	-		
	Oil & Grease	-	mg/L		

Table 7: Monitoring of ambient noise/vibration quality

Monitoring point reference	Parameter	Units	Reference period	Frequency
Blast monitoring site at eastern end of William Street, 2.4km east of the Premises	Air-Blast	dB	For each blast	
	Peak particle velocity	mm/sec		

Records and Reporting

17. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
18. The licence holder must:
 - (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
19. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
 - (a) the calculation of fees payable in respect of this licence;
 - (b) any maintenance of infrastructure that is performed in the course of complying with conditions of this licence;
 - (c) complaints received under condition 17 of this licence.
20. The books specified under condition 19 must:

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- (a) be legible;
 - (d) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (e) be retained by the licence holder for the duration of the licence; and
 - (f) be available to be produced to an inspector or the CEO as required.
21. The licence holder must submit to the CEO an Annual Environmental Report by the 1 February each year. The report shall contain the information listed in Table 8 in the format or form specified in that table.

Table 8: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	Annual throughput recorded in tonnes	Tonnes per annum
Table 4	Particulates, management actions	None specified
Table 5, 7	Air-blast, peak particle velocity (blast monitoring data)	None specified
Table 6	Total suspended solids, total dissolved solids, chloride, pH, oil & grease	None specified
17	Compliance	Annual Audit Compliance Report (AACR) 1
16	Complaints summary	None specified

22. The licence holder must ensure that the Annual Environmental Report also contains:
- (i) any relevant process, production or operational data recorded under Condition 13; and
 - (ii) an assessment of the information contained within the report against previous monitoring results and licence limits.
23. The licence holder must submit the information in Table 9 to the CEO according to the specifications in that table.

Table 9: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
-	Copies of original monitoring reports submitted to the licence holder by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the licence holder from third parties

24. The licence holder must ensure that the parameters listed in Table 10 are notified to the CEO in accordance with the notification requirements of the table.

Table 10: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹
2.1.1	Breach of any limit specified in the licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable
3.1.5	Calibration report	As soon as practicable.

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Definitions

In this licence, the terms in Table 11 have the meanings defined.

Table 11: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
Act	means the <i>Environmental Protection Act 1986</i>
annual period	means the inclusive period from 1 January until 31 December in the same year.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.</i>
AS/NZS 5667.4	means the Australian Standard AS/NZS 5667.4 <i>Water Quality – Sampling – Guidance on sampling from lakes, natural and man-made.</i>
AS/NZS 5667.6	means the Australian Standard AS/NZS 5667.6 <i>Water Quality – Sampling – Guidance on sampling of rivers and streams.</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters.</i>
averaging period	means the time over which a limit is measured or a monitoring result is obtained;
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. “submit to / notify the CEO” (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
Dust Management Plan	means the Hanson Construction Materials (2013) <i>Dust Management Plan – Red Hill Quarry</i> , version 2.05, 22 March 2013

Department of Water and Environmental Regulation

Term	Definition
DWER	the abbreviation for Department of Water and Environmental Regulation.
emission	has the same meaning given to that term under the EP Act.
environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing licence	the licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this amendment
Fugitive emissions	means all emissions not arising from point sources;
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;
normal operating conditions	means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring;
Prescribed premises	has the same meaning given to that term under the EP Act. refers to the premises to which this licence amendment applies, as specified at the front of this Licence amendment and as in Schedule 1 – Premises Map;
Revised Licence	means this amended (amalgamated) Licence issued under Part V, Division 3 of the EP Act, with changes that correspond to the assessment outlined in this;
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary.

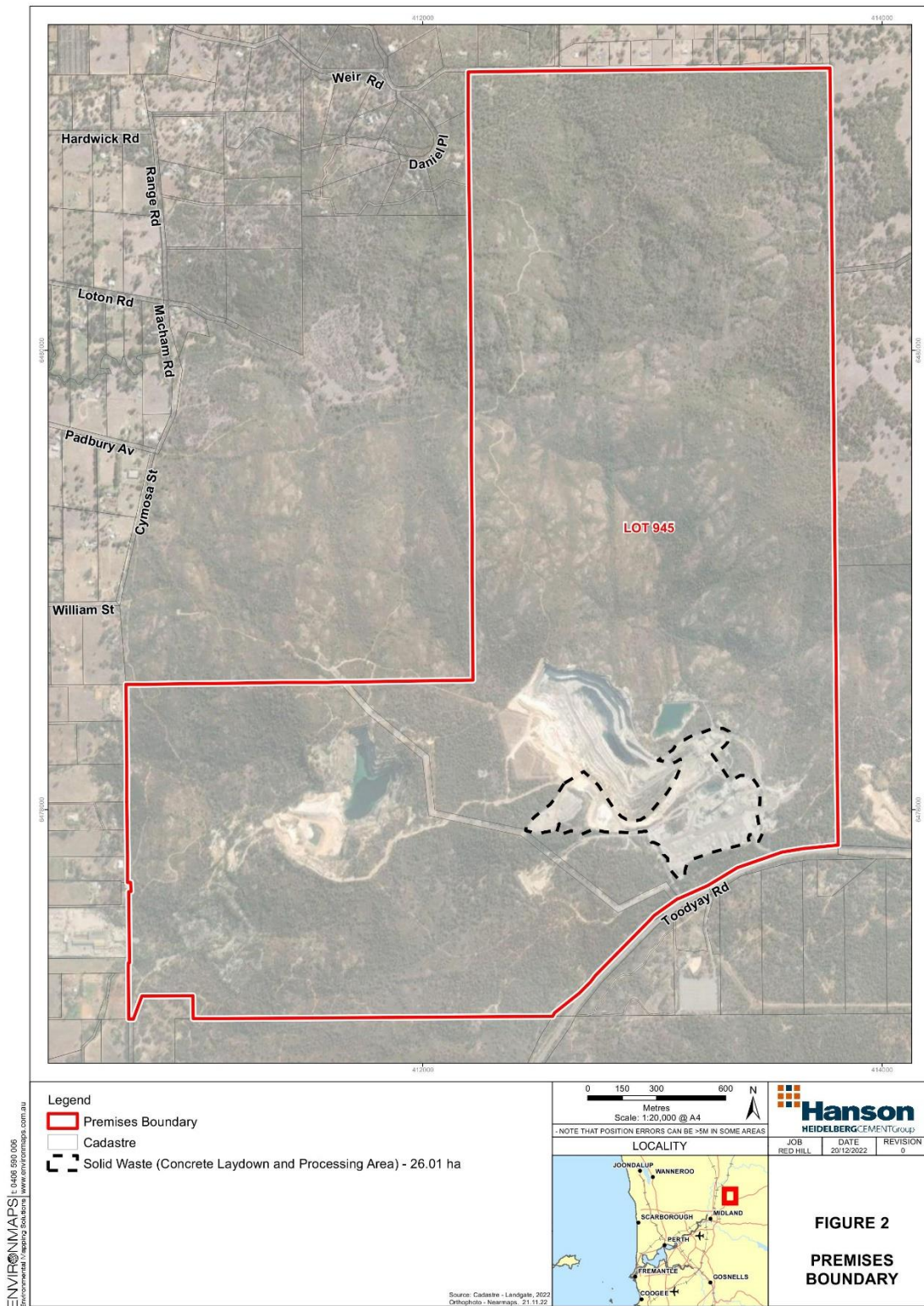


Figure 1: Map of the boundary of the prescribed premises



Figure 2: Location of emission and monitoring points



Figure 3: Storage locations



Figure 4: Red Hill Quarry - Prescribed Activities