



Licence number	L7421/1995/10
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	2011/007498
Duration	01/10/2012 to 30/09/2028
Date of issue	27/09/2012
Date of amendment	28/05/2024
Premises details	Hanson Bunbury Quarry 309 Lillydale Road NORTH BOYANUP WA 6237 Legal description - Lot 27 on Deposited Plan 419247 as defined in the Premises Map in Schedule 1.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production 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.	No more than 750,000 tonnes per annual period for timeframe specified in condition 2.

This amended licence is granted to the licence holder, subject to the attached conditions, on 28 May 2024, by:

**MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

Premises history

Reference number	Date	Summary of changes
03/08/1998	W01819	New works approval for initial construction site, issued to Giacci Holdings Pty Ltd.
16/02/1999	W01819	Amendment to incorporate significant changes to the NOI (December 1994) submitted to Shire of Capel.
02/08/1999	W02808	New works approval for construction of crushing and screening plant.
12/04/2000	L7421/1	First licence issued. Issued for one year.
10/04/2001	L7421/2	Licence reissue. Issued for one year.
10/04/2002	L7421/3	Licence reissue. Issued for one year.
17/04/2003	L7421/4	Licence reissue. Issued for one year.
01/12/2003	L7421/4	Licence transferred to Pioneer Construction Materials Pty Ltd.
13/04/2004	L7421/5	Licence reissue. Issued for one year.
31/08/2004	L7421/6	Licence reissue. Issued for one year.
29/08/2005	L7421/7	Licence reissued to Hanson Construction Materials Pty Ltd.
30/08/2006	L7421/8	Licence reissue. Issued for five years.
24/08/2009	L7421/1995/9	Licence reissued due to licence ceasing to have effect (non-payment of 2009 annual fees). Issued for three years.
27/09/2012	L7421/1995/10	Licence reissue, REFIRE format. Issued for three years.
29/04/2016	L7421/1995/10	Licence expiry date extended to 30 September 2023 as part of Notice of Amendment of Licence Expiry Dates.
13/05/2019	L7421/1995/10	Amendment Notice 1 – Relocating surface water sampling point.
15/02/2023	L7421/1995/10	Amendment to extend licence expiry date to 30 September 2028 and update premises boundary to align with new Lot 27 cadastral boundary, update to current licensing format, including figures and removal of redundant AACR form.
28/05/2024	L7421/1995/10	Amendment to increase Category 12 production capacity to 750,000 tonnes per annual period for two years.

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

- 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 requirements	Infrastructure location
Primary crusher	<ul style="list-style-type: none"> Water sprays must be used for dust suppression when the infrastructure is operating; Stockpiles must be wetted down to minimise dust liftoff; 	Labelled as '6', as depicted in Schedule 1: Maps, Figure 1.
Secondary and tertiary crushing and screening plant	<ul style="list-style-type: none"> Dust covers, equipment shields, and other dust suppression equipment must be maintained; Dedicated water truck must be used for dust suppression at the premises; Primary crusher must be located on the pit floor and shielded behind at least four sea containers (stacked in a 2 x 2 configuration), located as shown in Schedule 1: Maps, Figure 2 (labelled as 'noise attenuation barrier'), when operating; and Water from washing plant must be graded towards a sump that is sent to water recycling ponds and/or detention ponds. 	Labelled as '7', as depicted in Schedule 1: Maps, Figure 1.
Mobile crushing and screening plant	<ul style="list-style-type: none"> Water sprays must be used for dust suppression when the infrastructure is operating. Dedicated water truck must be used for dust suppression when infrastructure is operating; Stockpiles must be wetted down to minimise dust liftoff; Dust covers, equipment shields, and other dust suppression equipment must be maintained; and Mobile crushing and screening plant must be located on the pit floor and surrounded by vegetated screening bund when operating. 	Labelled as '13', as depicted in Schedule 1: Maps, Figure 1.
Vegetated screening bund	<ul style="list-style-type: none"> Bund must be maintained during operation of crushing and screening infrastructure at the premises; and Bund along western boundary must be maintained as at least 3 m tall. 	Labelled as '11', as depicted in Schedule 1: Maps, Figure 1.
Perimeter drainage system	<ul style="list-style-type: none"> Perimeter drainage system, including water recycling pond and detention basin, must be maintained. 	Labelled as '5', '8', '12' and shown with blue arrows, as depicted in Schedule 1: Maps, Figure 1.

Department of Water and Environmental Regulation

2. The licence holder must ensure that the annual production capacity of the crushing and screening infrastructure specified in Table 2 do not exceed the corresponding limit within the corresponding timeframe set out in Table 2.

Table 2: Production capacity limit

Infrastructure	Limit	Timeframe
<ul style="list-style-type: none"> Primary crusher; Secondary and tertiary crushing and screening plant; and Mobile crushing and screening plant. <p>Labelled as '6', '7' and '13', as depicted in Schedule 1: Maps, Figure 1.</p>	750,000 tonnes per annual period	From 1 January 2024 until 31 December 2026
	500,000 tonnes per annual period	From 1 January 2027 to 30 September 2028

Emissions and discharges

3. The licence holder must ensure that uncontaminated stormwater is kept separate from contaminated or potentially contaminated stormwater. Where stormwater has come into contact with a possible source of contamination, it must be treated as contaminated.
4. The licence holder must ensure that emissions specified in Table 3 are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 3: Authorised discharge points

Emission	Discharge point	Discharge point location
Overflow from water recycling ponds, containing either stormwater, contaminated stormwater, dewatering effluent and water residue from product washing operations	WW; and WE.	Labelled as 'WW/L1' and 'WE' respectively, as depicted in Schedule 1: Figure 3.

5. The licence holder must use all reasonable and practicable measures to prevent, and where that is not practicable, minimise, dust emissions from the premises.
6. The licence holder must ensure that no visible dust generated from the primary activities crosses the boundary of the premises.
7. The licence holder must ensure that crushing and screening activities at the premises only occur between the hours of 07:00 to 18:00, and on the days of Monday through to Saturday.
8. The licence holder must ensure that parameters listed in Table 4 do not exceed the corresponding limit at the corresponding monitoring point when monitored in accordance with condition 14.

Table 4: Noise emission limits

Monitoring point reference	Parameter	Reference period	Limit
N1; N2; N3;	Peak particle velocity	Any single blast	10 mm/sec
		Any 10 consecutive blasts (regardless of interval	No more than one blast exceeding 5

Monitoring point reference	Parameter	Reference period	Limit
N4. Labelled as 'N1 airy/Lillydale Rd', 'N2 Sleaford Ave', 'N3 Loretta Ave' and 'N4 Jules Rd' respectively, as depicted in Schedule 1: Figure 3.		between blasts)	mm/sec

Monitoring

9. The licence holder must ensure that:
- all water samples are collected in accordance with AS/NZS 5667.1;
 - all non-continuous sampling and analysis undertaken pursuant to condition 13 is undertaken by a holder of a current accreditation from NATA for the methods of sampling and analysis relevant to the corresponding relevant parameter.
10. The licence holder must record production or throughput data and any other process parameters relevant to any non-continuous or CEMS monitoring undertaken.
11. The licence holder must ensure that all monitoring equipment used to comply with conditions 13 and 14 is operated and calibrated in accordance with the manufacturer's specifications.
12. The licence holder must, where the requirements for calibration specified in condition 11 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.
13. The licence holder must monitor emissions:
- from each discharge point;
 - at the corresponding monitoring location;
 - for the corresponding parameter;
 - at the corresponding frequency;
 - for the corresponding averaging period;
 - in the corresponding unit; and
 - do not exceed the corresponding limit,
- as set out in Table 5.

Table 5: Monitoring of point source emissions to land

Discharge point	Monitoring location	Parameter	Frequency	Averaging period	Unit	Limit
WW; WE.	Labelled as 'WW/L1' and 'WE' respectively, as depicted in Schedule 1: Figure 3.	Total dissolved solids	Monthly ¹	Spot sample	mg/L	---
		Total suspended solids				80
		Oil and grease (hexane soluble)				5

Department of Water and Environmental Regulation

Note 1: The licence holder must ensure that monitoring is undertaken in each monthly period such that there are at least 15 days in between the days on which samples are taken in successive months.

- 14.** The licence holder must monitor:
- (a) from each monitoring point reference;
 - (b) at the corresponding monitoring location;
 - (c) for the corresponding parameter;
 - (d) at the corresponding frequency;
 - (e) for the corresponding averaging period; and
 - (f) in the corresponding unit,
- as set out in Table 6.

Table 6: Monitoring of noise and vibration

Monitoring point reference	Monitoring location	Parameter	Frequency	Averaging period	Unit
N1; N2; N3; N4.	Labelled as 'N1 Dairy/Lillydale Rd', 'N2 Sleaford Ave', 'N3 Loretta Ave' and 'N4 Jules Rd' respectively, as depicted in Schedule 1: Figure 3.	Air blast	For each blast ¹	For each blast	dB
		Peak particle velocity			mm/sec

Note 1: For each blast, a minimum of one measurement is required at N1, and one other measurement at N2, N3 or N4.

- 15.** Prior to 27 July 2024, the licence holder must retain the services of a suitably qualified acoustics professional to:
- (a) investigate the nature and extent of noise emissions from the premises, including undertaking noise monitoring during normal crushing and screening operations within the area at the boundary of the closest sensitive human receptor; and
 - (b) assess noise emissions in accordance with the methodology required in the *Environmental Protection (Noise) Regulations 1997*, the compliance of the noise emissions from the crushing and screening activities against the relevant assigned noise levels specified in the *Environmental Protection (Noise) Regulations 1997*.
- 16.** Where an assessment pursuant to condition 15 indicates that noise emissions do not comply with the relevant assigned noise levels in the *Environmental Protection (Noise) Regulations 1997*, the licence holder must:
- (a) within 30 calendar days, prepare a plan to ensure the undertaking of crushing and screening activities will no longer lead to any contravention of the *Environmental Protection (Noise) Regulations 1997*; and
 - (b) provide to the CEO a copy of the plan prepared pursuant to condition 16(a).

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

Department of Water and Environmental Regulation

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 must submit to the CEO by no later than 60 days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 7, and which provides information in accordance with the corresponding requirement set out in Table 7.

Table 7: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form
Condition 2	Monthly quantities of raw material crushed and screened.	None specified.
Condition 13	Discharge monitoring	Data must be presented in tabulated form and include an assessment of monitoring data against relevant limits and/or targets and previous monitoring results. The relevant certificate of analysis must be attached.
Condition 14	Noise and vibration monitoring	
Condition 18	Compliance	AACR
Condition 17	Complaints summary	None specified.
---	Overview of project for the annual period, as well as a plan of the premises.	
Condition 5	Measures taken to manage dust emissions.	
---	Measures taken to manage noise emissions.	

20. 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) the works conducted in accordance with conditions 1, 3, 5, 6 and 7 of this licence;
- (c) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;

Department of Water and Environmental Regulation

- (d) monitoring programmes undertaken in accordance with conditions 13 and 14 of this licence; and
 - (e) complaints received under condition 17 of this licence.
- 21.** The books specified under condition 20 must:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
- 22.** The licence holder must ensure that the parameters listed in Table 8 are notified to the CEO in accordance with the corresponding notification requirements in the corresponding format or form set out in Table 8.

Table 8: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form
---	Any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.	Part A: As soon as practicable, but no later than 5PM of the next usual working day.	N1 ²
Condition 13	Breach of any limit specified in the licence.	Part B: As soon as practicable.	
Condition 8 Condition 14	Air blast levels that do not comply with regulation 11 of the <i>Environmental Protection (Noise) Regulations 1997</i> .	Part A: As soon as practicable, but no later than 5PM of the next usual working day. Part B: Within seven days of the exceedance being recorded.	

Note 1: Notification requirement specified does not negate the requirement to comply with section 72 of the EP Act.

Note 2: Forms are in Schedule 2.

- 23.** The licence holder must, within 30 calendar days of undertaking the investigation required by condition 15, prepare and submit to the CEO on the investigation.
- 24.** The report required by condition 23 must include, as a minimum, the following:
- (a) a description of the methods used for monitoring of noise emissions from the premises;
 - (b) details and results of the investigation undertaken pursuant to condition 15(a);
 - (c) details and results of the assessment of the noise emissions from the premises, against the relevant assigned noise levels in the *Environmental Protection (Noise) Regulations 1997* undertaken pursuant to condition 15(b); and
 - (d) an assessment of noise levels against the most recent predicted noise levels.

Definitions

In this licence, the terms in Table 9 have the meanings defined.

Table 9: 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).
annual period	a 12-month period commencing from 1 January to 31 December of 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> .
books	has the same meaning given to that term under the EP Act.
CEMS	means Continuous Emission Monitoring Systems.
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.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
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.

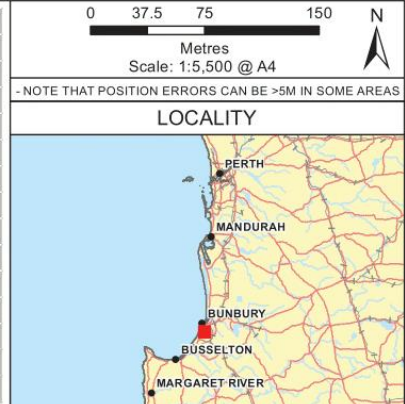
Term	Definition
monthly period	means a one-month period commencing from the first day of a month until the last day of the same month.
NATA	means the National Association of Testing Authorities, Australia.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
suitably qualified acoustics professional	means a person qualified and experienced in the area of environmental noise assessment and who, by their qualifications and experience, is eligible to hold membership of the Australian Acoustical Society or the Australian Association of Acoustical Consultants.
waste	has the same meaning given to that term under the EP Act.


END OF CONDITIONS

Premises map

This aerial map illustrates the proposed Bunbury Outer Ring Road project. The road is shown as a red line with blue arrows indicating the direction of travel. The project area is bounded by Lillydale Rd to the north, Bunbury Outer Ring Rd to the west, and a red line to the south and east. Numbered markers (1-14) are placed along the road and within the project area. The map also shows existing infrastructure, including roads, water bodies, and surrounding land use.

I.D.	SITE FEATURE
1	ACCESS ROAD
2	FUEL TANK AND OIL SEPARATOR
3	HAUL ROAD
4	MAINTENANCE WORKSHOP
5	NATURALISED DETENTION BASIN
6	PRIMARY CRUSHER
7	SECONDARY AND TERTIARY CRUSHING AND SCREENING PLANT
8	SEDIMENT TRAPPING AND WATER MANAGEMENT BASIN
9	SITE OFFICE AND WEIGHBRIDGE
10	STOCKPILES
11	VEGETATED SCREENING BUND
12	WATER RECYCLING
13	MOBILE CRUSHING AND SCREENING PLANT
14	ACTIVE PIT



 Hanson HEIDELBERGCEMENTGroup		
JOB BQ	DATE 18/10/2023	REVISION 0

IR-T06 Licence template (v8.0) (September 2022)



Figure 2: Location of noise attenuation barrier

L7421/1995/10 (date of last amendment: 28 May 2024)

IR-T06 Licence template (v8.0) (September 2022)

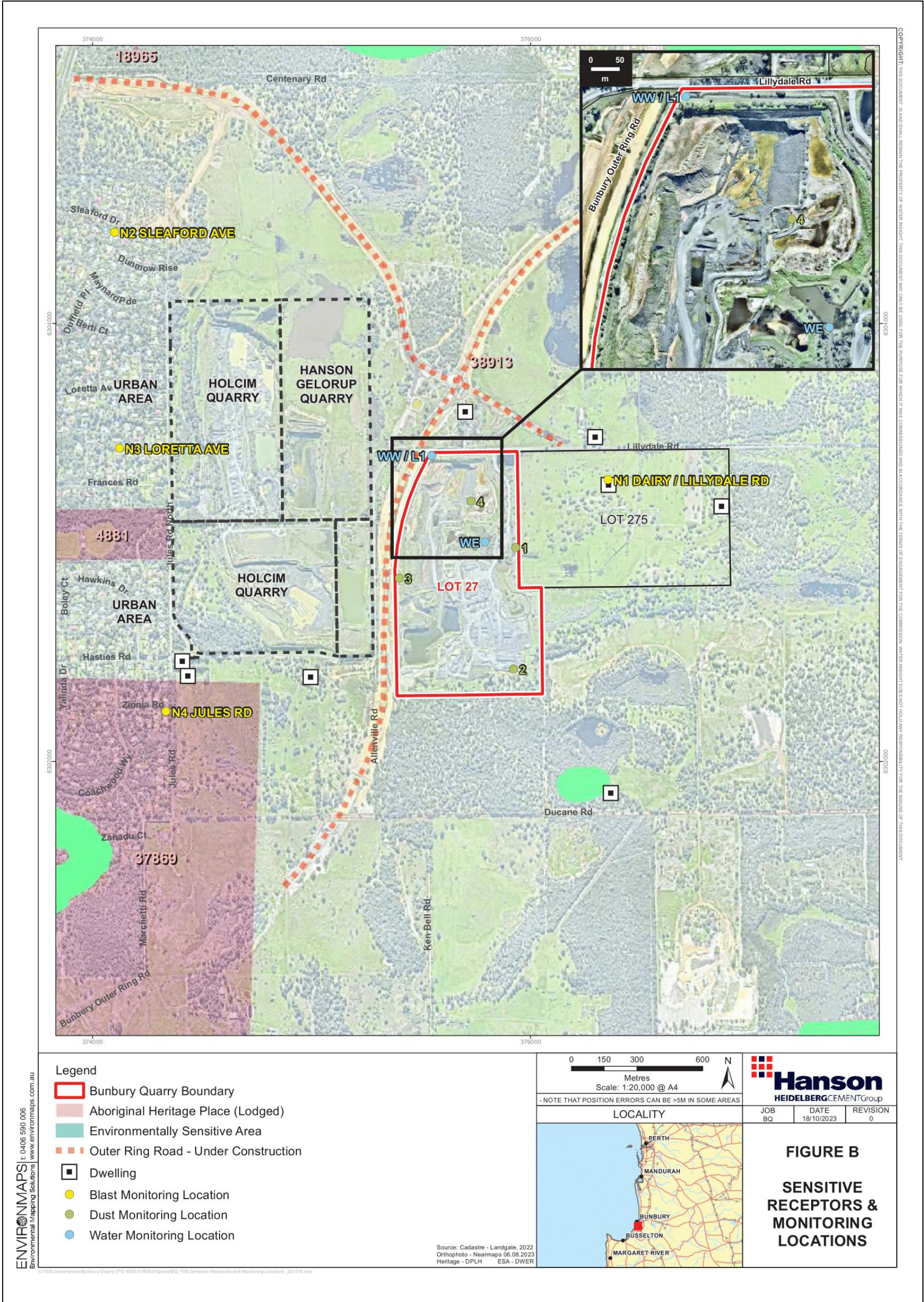


Figure 3: Map of monitoring locations

Schedule 2: Reporting and notification forms

Licence: L7421/1995/10

Licence Holder: Hanson Construction Materials Pty Ltd

Form: N1

Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
To be notified as soon as practicable and no later than 5PM of the next working day	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
To be notified as soon as practicable and no later than 5PM of the next working day	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	

L7421/1995/10 (date of last amendment: 28 May 2024)

Measures taken , or intended to be taken, to stop any emission	
Description of the failure or accident	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name:	
Post:	
Signature on behalf of: Hanson Construction Materials Pty Ltd	
Date:	