

Licence Variation

Licence - 20241



JOHN HOLLAND PTY LTD
ABN 11 004 282 268
Level 6, 235 Pyrmont Street
PYRMONT NSW 2009

Attention: Krissy Vajda

Notice Number 1528214
File Number EF13/4238
Date 13-Feb-2015

NOTICE OF VARIATION OF LICENCE NO. 20241

BACKGROUND

- A. JOHN HOLLAND PTY LTD ("the licensee") is the holder of Environment Protection Licence No. 20241 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of activities at Main North Line Corridor - 11km section located between Parramatta Road and Homebush Bay Drive, NORTH STRATHFIELD, NSW, 2137 ("the premises").
- B. On 22-Jan-2015 the Environment Protection Authority (EPA) received an application for the variation of the licence. The licensee has applied to vary the licence to allow the following additional out of hours works during the February 2015 rail possession period:
- Carrying out of high noise impact works and activities between 12:00 am and 6:00 am on Saturday 21 February and between 10:00 pm Saturday 21 February and 6:00 am Sunday 22 February 2015.
 - The carrying out of high noise impact works on more than two evenings or nights per week within the same local noise catchment during the rail possession period.
- C. The EPA has assessed the application and considers the proposed changes to be reasonable.
- D. In assessing the application the EPA has taken into consideration Section 45 of the Act.

VARIATION OF LICENCE NO. 20241

1. By this notice the EPA varies licence No. 20241. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:

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- The numbering of limit conditions has been changed as follows:
 - Condition L4.8 (Limitations on Frequency of Night and Evening Works) has been changed to Condition 4.7.
 - Condition L4.7 (Additional Works Approved by the EPA) has been changed to Condition L4.8.
- Condition L4.3(c) has been changed as follows:
 - the words "except as expressly permitted by Condition L4.4, L4.5 and L4.6 or another condition of this licence" have been changed to "except as expressly permitted by Condition L4.4, L4.5, L4.6, L4.8 or another condition of this licence".
- The wording of Condition L4.7 (Limitations on Frequency of Night and Evening Works) has been changed to allow exceptions to be provided for by Condition L4.8 or another condition of the licence.
- Condition L4.8 (Additional Works Approved by the EPA) has been amended to allow additional out of hours works including high noise impact works to be carried out during the February 2015 rail possession period.

.....
Mike Sharpin
Unit Head
Metropolitan Infrastructure
(by Delegation)

INFORMATION ABOUT THIS NOTICE

- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (<http://www.epa.nsw.gov.au/prpoeo/index.htm>) in accordance with section 308 of the Act.

Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

When this notice begins to operate

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or

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the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

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Licence Details	
Number:	20241
Anniversary Date:	16-April

Licensee
JOHN HOLLAND PTY LTD
LEVEL 6, 235 PYRMONT STREET
PYRMONT NSW 2009

Premises
NORTH STRATHFIELD RAIL UNDERPASS
MAIN NORTH LINE CORRIDOR - 11KM SECTION LOCATED BETWEEN PARRAMATTA ROAD AND HOMEBUSH BAY DRIVE
NORTH STRATHFIELD NSW 2137

Scheduled Activity
Extractive Activities
Railway Systems Activities

Fee Based Activity	Scale
Land-based extractive activity	> 30000-50000 T extracted, processed or stored
Railway systems activities	Any annual capacity

Region
Metropolitan Infrastructure
Level 13, 10 Valentine Ave
PARRAMATTA NSW 2150
Phone: (02) 9995 5000
Fax: (02) 9995 6900
PO Box 668 PARRAMATTA
NSW 2124

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

JOHN HOLLAND PTY LTD
LEVEL 6, 235 PYRMONT STREET
PYRMONT NSW 2009

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 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.

Scheduled Activity	Fee Based Activity	Scale
Extractive Activities	Land-based extractive activity	> 30000 - 50000 T extracted, processed or stored
Railway Systems Activities	Railway systems activities	Any annual capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
NORTH STRATHFIELD RAIL UNDERPASS
MAIN NORTH LINE CORRIDOR - 11KM SECTION LOCATED BETWEEN PARRAMATTA ROAD AND HOMEBUSH BAY DRIVE
NORTH STRATHFIELD
NSW 2137
SEE CONDITION A2.2 FOR THE FULL DESCRIPTION OF THE LICENCED PREMISES

A2.2 The premises is defined as the yellow and blue shaded areas shown on the following plans:

- (a) NSRU-0013-MT-D-0010 Revision P , dated 2/06/2014
- (b) NSRU-0013-MT-D-0011 Revision P , dated 2/06/2014
- (c) NSRU-0013-MT-D-0012 Revision P , dated 2/06/2014
- (d) NSRU-0013-MT-D-0013 Revision P , dated 2/06/2014
- (e) NSRU-0013-MT-D-0014 Revision P , dated 2/06/2014
- (f) NSRU-0013-MT-D-0015 Revision P , dated 2/06/2014
- (g) NSRU-0013-MT-D-0016 Revision P , dated 2/06/2014
- (h) NSRU-0013-MT-D-0017 Revision P , dated 2/06/2014
- (i) NSRU-0013-MT-D-0018 Revision P , dated 2/06/2014
- (j) NSRU-0013-MT-D-0019 Revision P , dated 2/06/2014
- (k) NSRU-0013-MT-D-0020 Revision P , dated 2/06/2014
- (l) NSRU-0013-MT-D-0021 Revision P , dated 2/06/2014
- (m) NSRU-0013-MT-D-0022 Revision P , dated 2/06/2014

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Copies of these plans are held on EPA file no. EF13/8193.

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Crushing, grinding or separating

A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

A4.2 Unless specifically stated by other conditions of this licence, Environmental Management Plans or Systems supplied to the EPA by the licensee do not form part of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
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1	Groundwater discharge to stormwater drain	Groundwater discharge to stormwater drain	Stormwater drain located approximately eight metres south of Gate 6.1 on the eastern side of the rail corridor at the southern end of North Strathfield Station. Drain flows to concrete lined freshwater section of Powells Creek.
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3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table 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.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table.

L2.4 Water and/or Land Concentration Limits

POINT 1

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Copper	micrograms per litre				5
Oil and Grease	milligrams per litre				10
pH	pH				6.5 to 8.5
Total petroleum hydrocarbons	micrograms per litre				100

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TSS	milligrams per litre	50
Zinc	micrograms per litre	60

L3 Noise limits

- L3.1 All works and activities must be undertaken in a manner that will minimise noise and vibration impacts on sensitive receivers.
- L3.2 The licensee must ensure that all feasible and reasonable noise and vibration mitigation and management measures are implemented during construction work authorised by this licence, in accordance with the *Interim Construction Noise Guideline (DECC, 2009)*.

L4 Hours of operation

L4.1 Standard construction hours

Unless permitted by another condition of this licence, construction works and activities must:

- only be undertaken between the hours of 7:00 am and 6:00 pm Monday to Friday;
- only be undertaken between the hours of 8:00 am and 1:00 pm Saturday; and
- not be undertaken on Sundays or Public Holidays.

L4.2 Exemptions to standard construction hours

The following construction work may be undertaken outside of the hours specified by Condition L4.1:

- Construction work that causes $L_{Aeq(15\text{minute})}$ noise levels that are:
 - no more than 5 dB above rating background level at any residence in accordance with the *Interim Construction Noise Guideline (DECC, 2009)*; and
 - no more than the noise management levels specified Table 3 of the *Interim Construction Noise Guideline (DECC, 2009)* at other sensitive land uses;
- Delivery of plant, equipment and materials required to be delivered out of hours for safety reasons;
- Rail maintenance works including tamping and regulating to remediate vertical or horizontal movement >4 mm in track geometry that has occurred as a direct result of works being undertaken for the project; and
- Emergency construction works or activities to ensure the safe operation of rail or avoid loss of life,

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damage to property, or environmental harm. The licensee must:

(i) on becoming aware of the need to undertake emergency construction work, notify the Environment Protection Authority's Environment Line on 131 555 of the need for those activities or work; and:

(ii) the next working day following the emergency works, submit a report to the EPA's Manager Metropolitan Infrastructure detailing:

1. the cause, time and duration of the emergency;
2. action taken by the licensee in relation to the emergency; and
3. details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of the emergency.

L4.3 High Noise Impact Works

High noise impact works and activities must only be undertaken:

- a) between the hours of 8:00am to 6:00pm Monday to Friday;
- b) between the hours of 8:00am to 1:00pm Saturday; and
- c) in continuous blocks not exceeding 3 hours each with a minimum respite from those activities and works of not less than 1 hour between each block.

except as expressly permitted by Condition L4.4, L4.5, L4.6, L4.8 or another condition of this licence.

For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the work that is the subject of this condition.

L4.4 Works Approved Outside of Standard Construction Hours - Local Possessions and Power Out Periods

a) Works and activities may be undertaken during any local possession or power out period, but only if:

(i) carrying on those works and activities during standard construction hours specified in Condition L4.1 would cause unacceptable risks to;

- (1) construction personnel safety;
- (2) rail passenger and railways personnel safety; or
- (3) railway network operational reliability as may be notified to the licensee from time to time by Sydney Trains; and

(ii) the licensee complies with the requirements of Condition E1; and

(iii) noise and vibration mitigation measures are implemented as detailed in the *Interim Construction Noise Guidelines* (DECC 2009).

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b) High noise impact works and activities (excluding rail adjustment, tamping and regulating) may be undertaken during any local possession or power out period permissible by Condition L4.4(a) as follows:

(i) between the hours of 6:00am to 10:00pm on any day subject to the works and activities being undertaken in continuous blocks not exceeding 3 hours each with a minimum respite from those works and activities of not less than one hour between each block.

For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the works or activities the subject of this condition.

c) Rail adjustment, tamping and regulating may be undertaken at any time during a local possession or power out period permissible by Condition L4.4 (a).

L4.5 Works Approved Outside of Standard Construction Hours – Weekends

(a) Activities and works may be undertaken during the hours outlined in Condition L4.5(b) but only if one or more of the following applies:

(i) carrying on those works and activities during the hours specified in Condition L4.1 would cause unacceptable risks to one or more of the following:

(1) construction personnel safety;

(2) road user and public safety;

(3) road network operational performance as may be notified from time to time by the Roads and Maritime Services;

(4) essential utility services;

(ii) the Roads and Maritime Services' Traffic Management Centre (or other road authority) refuse to issue a road occupancy licence for the works or activities during the hours specified in Condition L4.1

(b) For the situations outlined in Condition L4.5(a), activities and works may be undertaken (except on public holidays) during the hours of:

(i) 1.00 pm and 6.00pm on Saturdays; and

(ii) 8.00 am and 6.00 pm on Sundays

(c) In undertaking any works or activities under Condition L4.5 (b) the licensee must:

(i) comply with the requirements of Condition E1; and

(ii) implement noise and vibration mitigation detailed in the *Interim Construction Noise Guidelines* (DECC 2009).

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(d) High noise impact works and activities must only be undertaken:

- (i) between the hours of 8:00am to 6:00pm; and
- (ii) in continuous blocks not exceeding 3 hours each with a minimum respite from those activities and works of not less than 1 hour between each block.

For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the work that is the subject of this condition.

L4.6 Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

(a) Activities and works may be undertaken during the hours outlined in L4.6(b) but only if one or more of the following applies:

(i) carrying on those works and activities during the hours specified in Condition L4.1 would cause unacceptable risks to one or more of the following:

- (1) construction personnel safety;
- (2) road user and public safety;
- (3) road network operational performance as may be notified from time to time by the Roads and Maritime Services
- (4) essential utility services

(ii) the Roads and Maritime Services' Traffic Management Centre (or other road authority) refuse to issue a road occupancy licence for the works or activities during the hours specified in Condition L4.1.

(b) For the situations outlined in L4.6(a) works and activities may be undertaken (except on public holidays) between the hours of:

- (i) 6:00 pm and 7:00 am the following day on Mondays, Tuesdays, Wednesdays, and Thursdays; and
- (ii) 6:00 pm and 8:00 am the following day on Fridays.

(c) In undertaking any activities and works under Condition L4.6(b) the licensee must:

- (i) comply with the requirements of Condition E1; and
- (ii) implement noise and vibration mitigation measures as detailed in the *Interim Construction Noise Guideline* (DECC 2009).

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L4.7 Limitations on the frequency of Evening and Night Works

(a) Activities permitted by Condition L4.4, L4.5, or L4.6 (excluding high noise impact activities and works) must not be undertaken within the same local noise catchment on more than:

- (i) 3 consecutive evenings or nights per week;
- (ii) 4 evenings or nights per week; or
- (iii) 10 evenings or nights per month.

except as expressly permitted by Condition L4.8 or another condition of this licence.

(b) High noise impact activities and works permitted by Condition L4.4, L4.5 or L4.6 must not be undertaken on more than 2 evenings or nights per week within the same local noise catchment, except as expressly permitted by Condition L4.8 or another condition of this licence.

Note: The EPA will consider an exemption to the above conditions if the licensee can demonstrate to the EPA's satisfaction that the majority of stakeholders impacted by the works support the exemption.

L4.8 Additional Works Approved by the EPA

(a) Concrete pour works for track slab formation within the tunnel and associated dives, including associated surface activities, may be carried out on weekday evenings and nights between 1 January 2015 and 30 April 2015 during the following hours (except on public holidays):

- (i) 6:00 pm and 7:00 am the following day on Mondays, Tuesdays, Wednesdays and Thursdays; and
- (ii) 6:00 pm and 8:00 am the following day on Fridays.

For the purposes of this condition:

- (1) "concrete pour works" do not include high noise impact works; and
- (2) "surface activities" are limited to use of a concrete pump, concrete truck and water cart.

(b) During the February 2015 possession from 12:00 am Saturday 21 February to 7:00 am Monday 23 February:

(i) High noise impact works and activities may be undertaken between 12:00 am and 6:00 am on Saturday 21 February and between 10:00 pm Saturday 21 February and 10:00 pm Sunday 22 February subject to those works and activities being undertaken in continuous blocks not exceeding three hours each with a minimum respite of not less than one hour between each block.

For the purposes of this condition 'continuous' means any period during which there is less than one hour respite between ceasing and recommencing any of the works or activities that are the subject of this condition.

(c) In undertaking the activities and works under Condition L4.8(a) and L4.8(b) the licensee must:

- (i) comply with the requirements of Condition E1; and
- (ii) apply the *Interim Construction Noise Guideline* (DECC 2009).

4 Operating Conditions

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O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 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.

O3 Dust

O3.1 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.

O4 Processes and management

O4.1 **Community Meetings**

a) The licensee must provide a Community Information Display space within the main Project Office that will be available to the community during business hours. The display space must provide images and relevant information on the project and be staffed by a Community Liaison Team member to provide answers to any community concerns/enquiries.

b) The community information display must include details of upcoming construction activities (including out of hours activities), nature and timing of such activities, relevant contact details and proposed specific mitigation measures. The information must include at a minimum, details of up and coming activities that are to occur over the next month.

c) Community meetings or open forums must be held on an issue-specific basis for key construction activities.

Note: It is acknowledged that the full details of future construction works and activities may not be known at the time of a community meeting or forum. In accordance with Condition E1.3, detailed and targeted notification of the community must be undertaken before any out of hours construction works commence.

d) The licensee must keep minutes of any community meeting held in accordance with this condition and must submit a copy of the relevant minutes to the EPA when requested by an EPA officer.

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O5 Waste management

- O5.1 The licensee must assess, classify and manage any waste generated at the premises in accordance with the *Waste Classification Guidelines Part 1 : Classifying Waste, April 2008 (Waste Guidelines)* prior to dispatching the waste offsite.
- O5.2 The licensee must ensure that concrete rinse water is collected and managed onsite in accordance with *Environmental Best Management Practice Guideline for Concreting Contractors* (OEH, 2004) or disposed of to a facility licensed to receive and treat concrete rinse water.
- O5.3 The licensee must not cause, permit or allow any waste generated:
- (a) outside the premises to be received at the premises, except for recycled materials from Railcorp's rail corridor (EPL12208) or Railcorp's recycling facility (EPL7515) or materials that meet the EPA's Resource Recovery Exemptions for engineered fill purposes.
 - (b) at the premises to be disposed of at the premises, except as permitted in Condition O5.4.
- O5.4 Excavated material suitable for re-use within the premises, may be transported from one part of the premises or the Railcorp rail corridor or Railcorp recycling facility to another part by road in accordance with Condition O5.5.
- O5.5 The licensee must ensure that:
- (a) the body of any vehicle or trailer, used to transport waste or excavation spoil from the premises, is covered before leaving the premises to minimise any spill or escape of any dust, waste, or spoil from the vehicle or trailer; and
 - (b) mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the premises, is removed to the greatest extent practicable before the vehicle, trailer or motorised plant leaves the premises; and
 - (c) road surfaces subject to the tracking of material by vehicles leaving the premises are effectively cleaned at the end of each work day.

O6 Other operating conditions

O6.1 Erosion and Sediment Control

The licensee must, before undertaking any construction work (including any earthmoving or vegetation removal works), implement all soil and water management works required to minimise pollution of waters.

O6.2 The licensee must:

- a) check the operation of soil and water management works regularly during operational hours and more often during wet weather; and
- b) initiate all necessary repair and maintenance as required to minimise pollution of waters.

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5 Monitoring and Recording Conditions

M1 Monitoring records

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.

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.

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.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	micrograms per litre	Daily during any discharge	Grab sample
Chromium	micrograms per litre	Daily during any discharge	Grab sample
Copper	micrograms per litre	Daily during any discharge	Grab sample
Oil and Grease	milligrams per litre	Daily during any discharge	Grab sample
pH	pH	Daily during any discharge	Grab sample
Total petroleum hydrocarbons	micrograms per litre	Daily during any discharge	Grab sample
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample
Zinc	micrograms per litre	Daily during any discharge	Grab sample

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M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Weather monitoring

M4.1 The licensee must monitor hourly temperature, humidity, wind velocity and rainfall at the nearest Australian Bureau of Meteorology weather station or the site compound weather station.

M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 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.

M6.2 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.

M6.3 The preceding two conditions do not apply until immediately after

- a) the date of the issue of this licence or

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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.

M6.4 Notification of Community Complaints Line

The licensee must ensure that the community notification required by condition M4.2 is undertaken :

- a) on not less than two occasions at least seven days apart;
- b) not less than 7 days and not more than 30 days before initial construction work commences at the premises;
- c) by general advertisements and public notices in newspapers, including community language newspapers, that are regularly circulated within the communities likely to be affected by noise or other construction impacts; and
- d) by including on the home page of the project web site information on:
 - (i) how the public can make a complaint on the telephone complaints line; and
 - (ii) how complaints will be processed.

M6.5 Noise and Vibration Complaints

a) The licensee must investigate noise and vibration complaints from the occupants of dwellings or the management of noise sensitive receivers other than dwellings:

- (i) within two hours of the complaint being made; or
- (ii) in accordance with any prior complaint management agreement the licensee may have made with the complainant.

b) The licensee must ensure that any investigation referred to in this condition that identifies works or activities being undertaken on the licensed premises as the likely source of the complaint, includes an offer to the complainant to undertake attended noise or vibration monitoring at their premises.

c) If the occupant of the dwelling or the management of a noise sensitive receiver other than a dwelling accepts the offer of attended noise or vibration monitoring the licensee must undertake that attended monitoring:

- (i) as soon as practicable; or
- (ii) at a time agreed with the complainant.

M6.6 Notifying Results of Complaint Investigation

The licensee must, in respect of each complaint made to the telephone complaints line required by condition M4.1, advise each complainant of the results of its investigation of their complaint and any proposed remedial action.

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M6.7 Authorised Licensee Representatives

- a) The licensee must ensure that two duly authorised representatives of the licensee are available for contact by the EPA at all times.
- b) The licensee must provide the EPA with up to date details of natural persons authorised to represent the licensee in respect of:
- (i) answering general enquiries made by the EPA or its authorised officers;
 - (ii) speaking on behalf of the licensee;
 - (iii) signing on behalf of the licensee; and
 - (iv) acting as the licensee's 'out of hours' contact with authority to direct the licensee's employees, agents and contractors to undertake such action as may be necessary to ensure that construction work complies with this licence.
- c) The details required by condition M4.7 b) must include:
- (i) the full name of each authorised representative and the scope of their authority to represent the licensee;
 - (ii) that status and title of each authorised representative within the licensee Organisation; and
 - (iii) the direct landline telephone number, mobile telephone number, pager number, fax number, email address and postal address of each authorised representative.

M7 Other monitoring and recording conditions

- M7.1 The licensee must monitor noise and vibration from construction work and especially during work undertaken out of hours.
- M7.2 All noise monitoring must be undertaken in accordance with *Australian Standard AS 2659.1 – 1998: Guide to the use of sound measuring equipment – Portable sound level meters*, or any revisions of that standard which may be made by Standards Australia, and the compliance monitoring guidance provided in the *NSW Industrial Noise Policy*.
- M7.3 All vibration monitoring must be undertaken in accordance with the guidance provided in the *Environmental Noise Management Assessing Vibration: A Technical Guideline* published by the Department of Environment and Conservation, February 2006. All vibration monitoring results must be assessed and reported against the acceptable values of human exposure to vibration set out in Tables 2.2 and 2.4 in this guideline.
- M7.4 The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA.

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6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:
a) a Statement of Compliance; and
b) a Monitoring and Complaints Summary.
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.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
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 granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the 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.

R1.5 The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in

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accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

- a) where this licence applies to premises, an event has occurred at the premises; or
- 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.

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.

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.

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.

R4 Other reporting conditions

R4.1 Daily Reports

a) The licensee must submit, by 2:00 pm each day, a report to the EPA that provides details of all complaints received in relation to construction activities regulated by the licence on the telephone complaints line required by Condition M4.1.

b) The report must:

- (i) be submitted to the email address nominated from time to time by the EPA;

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- (ii) include a unique identifier number for each complaint together with the details required by condition M3.2;
 - (iii) include the date and time, as reported by the complainant, of the event the subject of the complaint;
 - (iv) include an outline of the work or activity the subject of the complaint;
 - (v) include the complaints received between 12.00 pm on that day and 12.00pm on the previous day; and
 - (vi) if the works have been carried out under Conditions L3.4, L3.5 and L3.6, the report must include a copy of any assessments required by these conditions, unless previously provided to EPA, and details of how the requirements of these conditions have been met.
- c) The licensee is not required to submit a report for any reporting period during which no complaints have been received.

R4.2 Noise and Vibration Reports

- a) Upon request of an authorised officer of the EPA, the licensee must submit a Preliminary Investigation Report to the EPA in respect of any noise or vibration monitoring undertaken in accordance with the requirements of Condition M4.5.
- b) The Preliminary Investigation Report must be submitted to the EPA by 4.30 pm of the afternoon of the next working day following any noise or vibration monitoring.
- c) The Preliminary Investigation Report must:
 - (i) include numerical and/or graphical representation of the noise and vibration monitoring results; and
 - (ii) highlight any detected exceedance of noise goals or limits specified in:
 - (1) this licence;
 - (2) relevant noise guidelines; and
 - (3) relevant noise modelling.
- d) In the event of any exceedance of the noise goals or limits referred to in Condition R4.2 c)(ii), the licensee must:
 - (i) modify work practices and methods and implement all practicable and reasonable measures to prevent a recurrence of the exceedance; and
 - (ii) submit a Follow-up Investigation Report to the EPA within 5 working days of any noise or vibration monitoring having been undertaken (unless otherwise approved by the EPA).
- e) the Follow-up Investigation Report must include:
 - (i) confirmation of whether noise monitoring has been undertaken in accordance with AS2659 and the compliance monitoring guidance provided in the INP;

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- (ii) confirmation of whether vibration monitoring has been undertaken in accordance with the guidance provided in the Assessing vibration: a technical guideline (DEC, 2006);
- (iii) details of the prevailing meteorological conditions during the period when the noise or vibration monitoring was undertaken;
- (iv) a map of each noise and vibration monitoring location in relation to the noise source, including relevant distances;
- (v) numerical and graphical representation of the noise and vibration monitoring results;
- (vi) an analysis of the noise and vibration monitoring results;
- (vii) details of any remedial action taken in relation to the matter; and
- (viii) in cases not the subject of remedial action, detailed justification of the decision not to undertake remedial action.

R4.3 Dust and Weather Reports

- a) The licensee must, when requested by an authorised officer of the EPA, provide a report concerning dust control and management at the premises.
- b) The licensee must, for the period specified by the authorised officer, include the following in the report:
 - (i) the results of monitoring undertaken in accordance with condition M2.1;
 - (ii) details of any incident during which dust was emitted from the premises, including any photographs taken of the incident; and
 - (iii) details of the type and frequency of any dust control measures implemented at the premises.
- c) The report must be submitted to the EPA's Manager, Metropolitan Infrastructure by 4.30 pm on the second working day after receiving a request referred to in this condition.

R4.4 The licensee must submit a noise and vibration monitoring report assessing the impact of Stage 1 tunnelling works (up to 9m into the tunnel) to the EPA.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the

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premises.

G2 Other general conditions

G2.1 Environmental Induction

- a) The licensee must ensure that before any construction work is undertaken all personnel involved in undertaking that work receive environmental induction training.
- b) The induction training must:
 - (i) clearly identify the location of all noise sensitive receivers likely to be affected by noise or vibration generated during the course of work undertaken by those personnel; and
 - (ii) highlight the licence requirements to minimise noise and vibration impacts on noise sensitive receivers.

8 Special Conditions

E1 Requirements for works permissible under L4.4, L4.5 and L4.6

E1.1 Noise and Vibration Impact Assessment

- a) A noise and vibration impact assessment is required for any works undertaken under Condition L4.4, L4.5 and L4.6.
- b) The noise and vibration impact assessment must be prepared by an appropriately qualified person experienced in assessing the impacts of noise and vibration from civil engineering works.
- c) The noise and vibration impact assessment must include:
 - (i) details of the nature and scope of each activity and work, including details of times, vehicles, plant and equipment to be used to undertake that activity or work;
 - (ii) detailed analysis to justify the scheduling and duration of each activity and work outside the hours specified in Condition L4.1, including taking into account:
 - (1) the predicted impact on noise sensitive receivers of any activities and works undertaken outside the hours specified in Condition L4.1; and
 - (2) the preference that high noise impact works be undertaken during the day;
 - (iii) detailed analysis to justify use of the selected construction and work methods, plant and equipment compared to alternatives taking into consideration noise and vibration impacts;
 - (iv) a table showing details of the noise and vibration mitigation measures for each activity and work, including respite periods, proposed to be adopted to minimise noise and vibration impacts on surrounding noise sensitive receivers in each locality;
 - (v) a table showing for each activity and work in each noise catchment

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- (1) the address of each of the most affected noise sensitive receivers;
- (2) the background noise level for each of the noise sensitive receivers listed in the table,
- (3) noise management levels as described in Section 4 of the *Interim Construction Noise Guideline* (DECC, 2009);
- (4) the predicted LAeq (15 min) noise level, incorporating any 5 dB correction for particularly annoying activities as listed on page 16 of the *Interim Construction Noise Guideline* (DECC, 2009); and
- (5) an assessment of sleep disturbance as set out in Section 4.3 of the *Interim Construction Noise Guideline* (DECC, 2009), where works are planned to extend over more than two consecutive nights

(vi) details of the specific noise mitigation measures to be adopted in respect of any activity or work predicted to generate noise levels at any noise sensitive receiver exceeding the noise affected LAeq(15minute) level of background plus 5 dB outside the standard hours set in Condition L4.1;

(vii) a diagram showing the location of noise and vibration monitoring locations in relation to each of the most affected noise sensitive receivers for each activity and work in each noise catchment;

d) The licensee must document the formal assessment required by this condition in a detailed report that includes all maps, calculations and analyses relied upon in making its determination of:

- (i) whether the proposed activity or work may be undertaken pursuant to Condition L4.4, L4.5 and L4.6;
- (ii) the scheduling of each proposed activity and work;
- (iii) the construction methods, plant and equipment used in each activity and work;
- (iv) the noise and vibration impact mitigation measures adopted for each activity and work; and
- (v) the location of each noise and vibration monitoring location.

E1.2 a) When the licensee undertakes works or activities or simultaneous combination of works or activities in accordance with Condition E1.1, the licensee must:

(i) undertake attended noise and vibration monitoring at representative stages of the activity or work to confirm whether the noise and vibration predictions in its noise and vibration assessment were accurate; and

(ii) review the work or activity or combination of simultaneous works or activities as soon as practicable following the events referred to in (1) and (2) below and where possible, modify the work or activity to prevent any recurrence of these events:

- (1) noise monitoring referred to in (i) indicates that the activity, work or combination of simultaneous activities or works has caused or is causing noise or vibration levels higher than

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the predicted levels at any noise sensitive receiver; or

(2) the licensee, its contractors or its agents receive 2 or more complaints about the activity, work or combination of simultaneous activities or works on the telephone complaints line referred to in condition M4.1 or by any other means.

E1.3 Community Notification of Works Outside Standard Construction Hours

a) For works or activities proposed to be undertaken outside of the hours specified in Conditions L4.1 and L4.2, the licensee must notify the community likely to be affected by noise or vibration from those works or activities.

b) The notification must:

(i) be made by targeted letterbox drop, by clearly posting on the licensee's project website and by email to noise sensitive receivers who have elected to be notified by email;

(ii) be made not less than 5 days and not more than 14 days before commencement of any out of hours works or activities;

(iii) include:

(1) a diagram that clearly identifies the location of the proposed out of hours works in relation to nearby cross streets and local landmarks or geographical features;

(2) details of the timing, nature, scope and duration of the proposed works and activities;

(3) detail of why the proposed works and activities are being undertaken outside of standard construction hours;

(4) details of the predicted noise and vibration impacts of the works on identified sensitive receivers;

(5) details of all proposed mitigation measures, including respite periods and proposed scheduling;

(6) details of the types of plant and equipment that will be used to undertake the work;

(7) details of how complaints may be made and additional information obtained about the work;

(8) contact details in community languages relevant to the locality; and

(9) include notification of any upcoming project community meetings or forums.

E1.4 Reporting to EPA

The licensee must submit a copy of any documentation to demonstrate compliance with Condition E1 to the EPA at least two weeks prior to any works being undertaken under Conditions L4.4, L4.5 and L4.6. This condition applies for three months following the first time that works are undertaken under Conditions L4.4, L4.5 and L4.6.

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E2 Special Dictionary

E2.1

Term	Meaning
AS 2659	means Australian Standard AS 2659.1 – 1988 : Guide to the use of sound measuring equipment – Portable sound level meters
Construction work	includes all construction work and activities, and all construction-related work and activities, undertaken on the premises.
Day	the period from 0700 and 1800 h (Monday to Saturday) and 0800 to 1800 h (Sundays and Public Holidays) as per the definition in the New South Wales Government's Industrial Noise Policy.
ENMAV	means the Environmental Noise Management technical guideline Assessing Vibration published by the Department of Environment and conservation in February 2006.
Essential utility services	means telephone, electricity, gas and water services.
Evening	the period from 1800 to 2200 h as per the definition in the New South Wales Government's Industrial Noise Policy.
High noise impact activities and works	means jack hammering, rock breaking or hammering, pile driving, vibratory rolling, cutting of pavement, concrete or steel or other work occurring on the surface that generates noise with Impulsive, intermittent, tonal or low frequency characteristics.
INP	means the New South Wales Industrial Noise Policy published by the EPA in January 2000.
Impulsive noise	has the same meaning as in section 4.2 of the INP.
Interim construction noise guidelines	Interim Construction Noise Guidelines (DECC, July 2009).
Intermittent noise	has the same meaning as in section 4.2 of the INP.
Local noise catchment	Means an area in which all identified noise sensitive receivers are exposed to similar noise levels from the same source at the same time.
Local possession	means a formal authority issued by Sydney Trains to occupy a closed defined portion of track for a specified period.
Low frequency noise	has the same meaning as in section 4.2 of the INP.
Night	the period from 2200 to 0700 h (Monday to Saturday) and 2200 to 0800 h (Sundays and Public Holidays) as per the definition in the New South Wales Government's Industrial Noise Policy.
Out of hours	means hours outside those prescribed by condition O3.1.

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Practicable and reasonable	has the same meaning as 'reasonable and feasible' in the INP.
Power Out Period	Means formal advice issued by Sydney Trains for the closure of a defined section of railway track for a specified period of time.
Noise sensitive receiver	means any dwelling, boarding-house, child care centre, educational establishment, hospital, motel, nursing home, or place of public worship.
Soil and water management works	include all measures to control erosion and sediment such as sediment filters, drains, ponds, basins, stormwater run on and runoff controls, site stabilisation works, temporary water crossings and vehicular access controls.
Tonal noise	has the same meaning as in section 4.2 of the INP.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Mark Hanemann

Environment Protection Authority

(By Delegation)

Date of this edition: 16-April-2013

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End Notes

- 1 Licence transferred through application 1515051 approved on 18-Jun-2013 , which came into effect on 13-May-2013
- 2 Licence varied by notice 1515496 issued on 12-Jul-2013
- 3 Licence varied by notice 1516527 issued on 22-Aug-2013
- 4 Licence varied by notice 1517029 issued on 12-Sep-2013
- 5 Licence varied by notice 1517302 issued on 27-Sep-2013
- 6 Licence varied by notice 1518044 issued on 12-Nov-2013
- 7 Licence varied by notice 1518703 issued on 23-Dec-2013
- 8 Licence varied by notice 1519619 issued on 31-Jan-2014
- 9 Licence varied by notice 1519863 issued on 25-Feb-2014
- 10 Licence varied by notice 1520728 issued on 27-Mar-2014
- 11 Licence varied by notice 1521360 issued on 16-Apr-2014
- 12 Licence varied by notice 1521723 issued on 12-May-2014
- 13 Licence varied by notice 1522815 issued on 24-Jul-2014
- 14 Licence varied by notice 1524210 issued on 25-Aug-2014
- 15 Licence varied by notice 1525067 issued on 08-Oct-2014
- 16 Licence varied by notice 1525464 issued on 13-Oct-2014
- 17 Licence varied by notice 1527273 issued on 17-Dec-2014