

# Environment Protection Licence



Licence - 20913

## Licence Details

Number:	20913
Anniversary Date:	20-April

## Licensee

JOHN HOLLAND PTY LTD

LEVEL 3/65 PIRRAMA RD

PYRMONT NSW 2009

## Premises

BLACKTOWN RAILWAY

BLACKTOWN RAILWAY

BLACKTOWN NSW 2148

## Scheduled Activity

Railway systems activities

## Fee Based Activity

## Scale

Railway systems activities

Any 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

# Environment Protection Licence

Licence - 20913



<b>INFORMATION ABOUT THIS LICENCE</b>	4
Dictionary	4
Responsibilities of licensee	4
Variation of licence conditions	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
<b>1 ADMINISTRATIVE CONDITIONS</b>	6
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
<b>2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND</b>	7
P1 Location of monitoring/discharge points and areas	7
<b>3 LIMIT CONDITIONS</b>	7
L1 Pollution of waters	7
L2 Hours of operation	7
<b>4 OPERATING CONDITIONS</b>	9
O1 Activities must be carried out in a competent manner	9
O2 Maintenance of plant and equipment	9
O3 Dust	9
O4 Waste management	9
O5 Other operating conditions	10
<b>5 MONITORING AND RECORDING CONDITIONS</b>	10
M1 Monitoring records	10
M2 Recording of pollution complaints	11
M3 Telephone complaints line	11
M4 Other monitoring and recording conditions	12
<b>6 REPORTING CONDITIONS</b>	12
R1 Annual return documents	12
R2 Notification of environmental harm	13
R3 Written report	13
R4 Other reporting conditions	14

# Environment Protection Licence

---

Licence - 20913



<b>7</b>	<b>GENERAL CONDITIONS</b>	14
G1	Copy of licence kept at the premises or plant	14
<b>8</b>	<b>SPECIAL CONDITIONS</b>	15
E1	Requirements for works permissible under conditions L2.7	15
E2	Special Dictionary	16
<b>DICTIONARY</b>		18
General Dictionary		18

# Environment Protection Licence

---

Licence - 20913



## 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).

# Environment Protection Licence

Licence - 20913



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:

<b>JOHN HOLLAND PTY LTD</b>
<b>LEVEL 3/65 PIRRAMA RD</b>
<b>PYRMONT NSW 2009</b>

subject to the conditions which follow.

# Environment Protection Licence

Licence - 20913



## 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
Railway systems activities	Railway systems activities	Any capacity

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
BLACKTOWN RAILWAY
BLACKTOWN RAILWAY
BLACKTOWN
NSW 2148

A2.2 In relation to condition A2.1, the premises is defined by the most recent premises maps held on EPA electronic file EF17/2517 and approved in writing by the EPA.

### A3 Information supplied to the EPA

A3.1 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.

## 2 Discharges to Air and Water and Applications to Land

# Environment Protection Licence

Licence - 20913



## **P1 Location of monitoring/discharge points and areas**

P1.1 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.

## **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 Hours of operation**

#### **L2.1 Standard construction hours**

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

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

#### **L2.2 High Noise Impact Works**

High noise impact works and activities must only be undertaken:

- a) between the hours of 8:00am to 5:00pm 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.

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.

#### **L2.3 Works Outside of Standard Construction Hours**

The licensee may undertake works outside of standard construction hours if the delivery of oversized plant or structures has been determined by police or other authorities to require special arrangements to transport along public roads.

#### **L2.4 Exemptions to standard construction hours**

The following construction work may be undertaken outside of the hours specified by Condition L2.1:

- a) Construction work that causes LAeq(15minute) noise levels that are:
  - (i) no more than 5 dB above rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009); and
  - (ii) no more than the noise management levels specified Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses;

- b) 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

# Environment Protection Licence

Licence - 20913



c) Emergency construction works or activities to ensure the safe operation of rail or avoid loss of life, 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 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.

## L2.5 Works approved outside of standard construction hours – Community Agreement

The licensee may undertake works outside of standard construction hours (not including works undertaken in accordance with conditions L2.3, L2.4 and L2.7) if agreement between the licensee and a substantial majority of potentially affected receivers has been reached.

L2.6 Any agreement between the licensee and the potentially affected noise sensitive receivers referred to in condition L2.5 must be recorded in writing and kept on the premises by the licensee for the duration of the licence.

## L2.7 Additional hours - Local Possessions

a) works and activities may be undertaken during any local possession, but only if:

i. carrying on those works and activities during the hours specified in Condition L2.1 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.

ii. the licensee complies with the requirements of Condition E1.

b) high noise impact works and activities (excluding rail adjustment, tamping and regulating) may be undertaken during any local possession permissible by Condition L2.7a) 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.

## L2.8 Works outside of standard construction hours – Notification

The licensee must notify potentially affected noise sensitive receivers of works outside of standard construction hours not less than 5 days and not more than 14 days before those works are to be undertaken.

a) The notification must be:

- Undertaken by letterbox drop or email; and
- Be detailed on the project website.

# Environment Protection Licence

Licence - 20913



b) The notification required by this condition must:

- Clearly outline the reason that the work is required to be undertaken outside the hours specified in Condition L2.1;
- Include a diagram that clearly identifies the location of the proposed works in relation to nearby cross streets and local landmarks;
- Include details of relevant time restrictions that apply to the proposed works;
- Clearly outline in plain English, the location, nature, scope and duration of the proposed works;
- Detail the expected noise impact of the works on noise sensitive receivers;
- Clearly state how complaints may be made and additional information obtained; and
- Include the number of the telephone complaints line required by condition M3.1, an after-hours contact phone number specific to the works undertaken outside the hours specified in Condition L2.1 and the project website address.

## 4 Operating Conditions

### 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 Dust

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 Waste management

O4.1 Waste Management

The licensee must assess, classify and manage any waste generated at the premises in accordance with

# Environment Protection Licence

Licence - 20913



the *Waste Classification Guidelines Part 1: Classifying Waste, April 2008 (Waste Guidelines)* prior to dispatching the waste offsite.

- O4.2 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 Sydney Train's rail corridor (EPL12208) or Sydney Train'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 by condition O5.3
- O4.3 Excavated material suitable for re-use within the premises may be transported from one part of the premises or the Sydney Trains corridor or Sydney Trains recycling facility to another part by road in accordance with Condition O5.4
- O4.4 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 left the premises; and
  - (c) Road surfaces subject to the tracking of material by vehicles leaving the premises are cleaned at the end of each work day.

## O5 Other operating conditions

### O5.1 Erosion and Sediment Control

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

### O5.2 The licensee must:

- (a) Check the operation or soil and water management works at least daily during operational hours; and
- (b) Initiate all necessary repair and maintenance as required to minimise pollution of waters.

### O5.3 Noise

All works and activities must be undertaken in a manner that will minimise noise and vibration impacts on sensitive receivers.

- O5.4 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).

## 5 Monitoring and Recording Conditions

### M1 Monitoring records

# Environment Protection Licence

Licence - 20913



- 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 Recording of pollution complaints**

- M2.1 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.
- M2.2 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.
- M2.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M2.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## **M3 Telephone complaints line**

- M3.1 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.
- M3.2 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.
- M3.3 The preceding two conditions do not apply until a week after the date of the issue of this licence.
- M3.4 **Notification of Community Complaints Line**  
The licensee must ensure that the community notification required by condition M3.2 is undertaken:

# Environment Protection Licence

Licence - 20913



- (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; and
- (c) By including on the home page of the project website information on:
  - (i) How the public can make a complaint on the telephone line; and
  - (ii) How complaints will be processed.

## **M4 Other monitoring and recording conditions**

- M4.1 The licensee must monitor noise and vibration from construction work, including noise and vibration from out of hours construction work at identified sensitive receiver locations.

Note: The sensitive receiver locations are those identified within the Construction Noise and Vibration Management Plan supplied to the EPA with the CEMP document reference BHSC-PLN-JHG-003-01 Rev B dated 03/04/2017.

- M4.2 All noise monitoring must be undertaken in accordance with *Australian Standard AS2659.1-1998: Guide to the use of sound measuring equipment – Portable sound level meters*.

- M4.3 The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA.

## **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:
1. a Statement of Compliance,
  2. a Monitoring and Complaints Summary,
  3. a Statement of Compliance - Licence Conditions,
  4. a Statement of Compliance - Load based Fee,
  5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
  6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
  7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

- 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

# Environment Protection Licence

Licence - 20913



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 via eConnect *EPA* or 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 Statements 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 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

# Environment Protection Licence

Licence - 20913



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 Complaints Reporting

- a) The licensee must submit, by 2:00pm each business 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 M3.1
- b) The report must:
  - (i) Be submitted to the email address nominated from time to time by the EPA; and
  - (ii) Include complaints made between 12:00pm on that day and 12:00pm on the previous business day; and
  - (iii) Include the date and time, as reported by the complainant, of the event that is the subject of the complaint; and
  - (iv) Include an outline of the activity or work that is the subject of the complaint.
- c) The licensee is not required to submit a report for any reporting period during which no complaints have been received.

## 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 premises.

# Environment Protection Licence

Licence - 20913



## 8 Special Conditions

### E1 Requirements for works permissible under conditions L2.7

#### E1.1 Noise and vibration impact assessment

A noise and vibration impact assessment is required for any works undertaken under Conditions L2.7 and must be prepared by an appropriately qualified person experienced in assessing the impacts of noise and vibration from civil engineering works. The assessment must include:

- a) 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; and
- b) detailed analysis to justify the scheduling and duration of each activity and work outside the hours specified in Condition L2.1, including taking into account:
  - i. the predicted impact on noise sensitive receivers of any activities and works undertaken outside the hours specified in Condition L2.1; and
  - ii. the preference that high noise impact works be undertaken during the day.
- c) 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.
- d) 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.
- e) a table showing for each activity and work in each noise catchment:
  - i. the address of each of the most affected noise sensitive receivers;
  - ii. the background noise level for each of the noise sensitive receivers listed in the table,
  - iii. noise management levels as described in Section 4 of the Interim Construction Noise Guideline (DECC, 2009);
  - iv. the predicted LAeq (15 min) noise level [incorporating any 5dB correction for particularly annoying activities as listed on page 16 of Interim Construction Noise Guideline (DECC, 2009)] ;
  - v. 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,
- f) 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:
  - i. the noise affected LAeq(15minute) level of background plus 5 dB outside the standard hours set in Condition L2.1
- g) 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,
- h) 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 Conditions L2.4;
  - ii. the scheduling of each proposed activity and work;

# Environment Protection Licence

Licence - 20913



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

- a) 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;
- b) review the work or activity or combination of simultaneous works or activities as soon as practicable following the events referred to in (i) and (ii) below and where possible, modify the work or activity to prevent any recurrence of these events –
  - i. noise monitoring referred to in (a) indicates that the activity, work or combination of simultaneous activities or works has caused or is causing noise or vibration levels higher than the predicted levels at any noise sensitive receiver, or
  - ii. 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 M3.1 or by any other means.

## E2 Special Dictionary

### E2.1 Special Dictionary

Term	Meaning
AS 2659	means Australian Standard AS 2659.1 – 1988 : Guide to the use of sound measuring equipment – Portable sound level meters
Business day	excludes Saturdays, Sundays, public holidays and rostered days off (RDOs)
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.
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 works and activities	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

# Environment Protection Licence

Licence - 20913



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 Possession	means a formal authority issued by Sydney Trains to occupy a closed defined portion of track for a specified period
Low Frequency Noise	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
Noise sensitive receiver	means any dwelling, boarding-house, child care centre, educational establishment, hospital, motel, nursing home, or place of public worship
Operating Hours	means hours during which any construction-related works or activities are being undertaken, including outside of standard construction hours
Out of Hours	means hours outside those prescribed by condition L2.1
Practicable and reasonable	has the same meaning as 'reasonable and feasible' in the INP
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

# Environment Protection Licence



Licence - 20913

## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	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> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	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> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

# Environment Protection Licence



Licence - 20913

<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	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> .

# Environment Protection Licence



Licence - 20913

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

Mr Stuart Clark

Environment Protection Authority

(By Delegation)

Date of this edition: 20-April-2017

---

## End Notes

---