



# Environment Protection Licence

Licence - 21149

## Licence Details

Number:	21149
Anniversary Date:	09-October

## Licensee

SAMSUNG C&T CORPORATION  
 BOUYGUES CONSTRUCTION AUSTRALIA PTY LTD  
 ACCIONA INFRASTRUCTURE PROJECTS AUSTRALIA PTY LTD  
 PO BOX 63  
 MASCOT NSW 1460

## Premises

WESTCONNEX STAGE 3A - M4-M5 MAINLINE TUNNELS  
 WESTCONNEX BETWEEN M4 EAST AT HABERFIELD AND  
 THE NEW M5 AT ST. PETERS  
 MARRICKVILLE NSW 2204

## Scheduled Activity

Road construction

## Fee Based Activity

## Scale

Road construction (>=50,000T & road to be constructed <10km)	50000-100000 Remaining extraction or processing
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## Contact Us

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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:

<b>SAMSUNG C&amp;T CORPORATION</b>
<b>BOUYGUES CONSTRUCTION AUSTRALIA PTY LTD</b>
<b>ACCIONA INFRASTRUCTURE PROJECTS AUSTRALIA PTY LTD</b>
<b>PO BOX 63</b>
<b>MASCOT NSW 1460</b>

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
Road construction	Road construction ( $\geq 50,000T$ & road to be constructed $< 10km$ )	50000 - 100000 Remaining extraction or processing

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

A2.1 The licence applies to the following premises:

Premises Details
WESTCONNEX STAGE 3A - M4-M5 MAINLINE TUNNELS
WESTCONNEX BETWEEN M4 EAST AT HABERFIELD AND THE NEW M5 AT ST. PETERS
MARRICKVILLE
NSW 2204

A2.2 In relation to condition A2.1, the premises is the area shown within the 'Construction Premise Boundary' and 'Underground Tunnel Premise Boundary' on the diagram titled "*M4-M5 Link Mainline Tunnels - Detailed EPL Premise Map - Current*" held on the EPA electronic file EF17/13247.

A2.3 Premises maps are not deemed to be approved by the EPA unless confirmed in writing.

A2.4 Premises maps changes as a result of scheduled land portion handover, land portion surrenders or land portion additions are permitted to be altered through this condition. Any proposed variations to the premises must:

- be submitted to the EPA in electronic format; and
- be a complete map set containing unique identifiers for revision number and map sheet numbers; and
- be submitted to the EPA no less than 5 business days prior to the scheduled handover, surrender or land portion addition date.

A2.5 The approved premises maps must be available for public viewing on the licensee's project website or a related website approved in writing by the EPA no more than 3 business days after the approval of the maps by the EPA.

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## 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.

## A4 Other administrative conditions

- A4.1 The requirements outlined in conditions A2.5, and G1.1 shall only come into force when works and activities commence at the licensed premises.
- A4.2 The EPA must be notified in writing 7 calendar days prior to works and activities commencing at the licensed premises.

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

### 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.
- 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.
- P1.3 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.

#### *Water and land*

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1		Discharge	Premises Map 1 of 6: water discharge point 1 (Easting: 327141, Northing: 6249626) for surface water run-off at C1b - Parramatta Road West Civil Site.



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2	Discharge	Premises Map 1 of 6: water discharge point 2 (Easting: 327193, Northing: 6249652) for surface water run-off at C3b - Parramatta Road East Civil Site.
3	Discharge	Premises Map 3 of 6: water discharge point 3 (Easting: 331285, Northing: 6248941) for water treatment plant at C9 - Pyrmont Bridge Road Tunnel Site.
4	Discharge	Premises Map 5 of 6: water discharge point 4 (Easting: 331850, Northing: 6245886) for water treatment plant at C10 - Campbell Road Civil and Tunnel Site.
5	Discharge	Premises Map 1 of 6: water discharge point 5 (Easting: 327002, Northing: 6250058) for surface water run-off and water treatment plant at site C3a - Northcote Street tunnel site.
6	Discharge	Premises Map 1 of 6: water discharge point 6 (Easting: 327429, Northing: 6250094) for surface water run-off and water treatment plant at site C1a - Wattle Street ramps tunnel site.
8	Discharge	Premises Map 5 of 6: water discharge point 8 (Easting: 331850, Northing: 6245886) for surface water run-off at C10 - Campbell Road Civil and Tunnel Site.

P1.4 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

### *Noise/Weather*

EPA identification no.	Type of monitoring point	Location description
9	Air blast overpressure & ground vibration peak particle velocity monitoring	Monitoring locations at the nearest sensitive receiver. As identified in Controlled Blasting Monitoring Program Rev 7.

## 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.



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## L2 Concentration limits

- L2.1 For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- 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/s.
- L2.4 Water and/or Land Concentration Limits

### POINT 1,2,3,4,5,6,8

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	Visible				Not visible
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

### POINT 3,4,5,6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Arsenic	milligrams per litre				0.05
Cadmium	milligrams per litre				0.014
Chromium (hexavalent)	milligrams per litre				0.02
Chromium (trivalent)	milligrams per litre				0.0486

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## POINT 3,5,6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Copper	milligrams per litre				0.003

## POINT 3,4,5,6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Iron	milligrams per litre				0.3
Lead	milligrams per litre				0.0066
Manganese	milligrams per litre				2.5
Mercury	milligrams per litre				0.0007
Nickel	milligrams per litre				0.2

## POINT 3

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Zinc	milligrams per litre				0.04

## POINT 4

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre				1.2
Copper	milligrams per litre				0.008

## POINT 4,5,6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Zinc	milligrams per litre				0.023

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- L2.5 If the licensee uses turbidity (NTU) in place of TSS to determine compliance with condition L2.4, the licensee must develop a statistical correlation which identifies the relationship between NTU and TSS for water quality in the sediment basin/s in order to determine the NTU equivalent of 50 mg/L TSS before its use.
- L2.6 The EPA may make a written request for a copy of the statistical correlation assessment and methodology to determine compliance with condition L2.5 if required.
- L2.7 Where only surface water is being discharged from Point 3 and Point 4 and a water treatment plant is not operational prior to discharge from this point, only the limits specified in L2.4 for TSS, pH and Oil and Grease are applicable.
- L2.8 Where a water treatment plant is commissioned at Point 3 and Point 4 to process groundwater, the limits specified in L2.4 for TSS, pH, oil and grease, ammonia, arsenic, cadmium, chromium (hexavalent), chromium (trivalent), copper, iron, lead, manganese, mercury, nickel, and zinc are applicable.
- L2.9 The existing water treatment plant at Point 5 is required to treat water to meet the limits specified in condition L2.4 for TSS, pH and Oil and Grease.
- L2.10 Where a water treatment plant is commissioned at Point 5 to process groundwater, the limits specified in L2.4 for TSS, pH, oil and grease, ammonia, arsenic, cadmium, chromium (hexavalent), chromium (trivalent), copper, iron, lead, manganese, mercury, nickel, and zinc are applicable.

A water treatment plant to process groundwater must be operational at Point 5 by 25 May 2019.

- L2.11 Discharges from Point 6 must meet the limits specified in L2.4 for TSS, pH and Oil and Grease.
- L2.12 Where a water treatment plant is commissioned at Point 6 to process groundwater, the limits specified in L2.4 for TSS, pH, oil and grease, ammonia, arsenic, cadmium, chromium (hexavalent), chromium (trivalent), copper, iron, lead, manganese, mercury, nickel, and zinc are applicable for discharges of treated groundwater.

A water treatment plants to process groundwater must be operational at Point 6 by 25 May 2019.

- L2.13 Exceeding the limits specified in condition L2.4 for pH and total suspended solids (TSS) for discharges from the sediment tank identified by EPA identification no. 8 in condition P1.2, is only permitted when the discharge occurs solely as a result of rainfall measured at the premises. The rainfall must exceed the rainfall depth value which must be determined in accordance with "Managing urban stormwater: soils and construction – Volume 1" (Landcom 2006).

## L3 Noise limits

- L3.1 The licensee must implement all feasible and reasonable noise and vibration mitigation and management measures in or on the premises during construction works, to minimise noise and vibration impacts on nearby noise and vibration sensitive receivers. This must involve, but is not limited to:
- implementing noise and vibration mitigation measures described in the WestConnex M4-M5 Link Environmental Impact Statement dated August 2017 (EIS), and the WestConnex M4-M5 Link Submissions and Preferred Infrastructure Report dated January 2018 to achieve construction 'noise affected' Noise Management Levels (NML's) contained in the EIS; and
  - implementing additional noise mitigation measures as may be necessary throughout the life of construction

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works to minimise exceedances of NML's at nearby noise sensitive receivers; and  
 c) consideration of the "Interim Construction Noise Guidelines" (DECC, 2009); and  
 d) consideration of the "Environmental Noise Management - Assessing Vibration: a technical guideline" (DEC, 2006).

## L4 Blasting

L4.1 The controlled blasting must be completed in accordance with the *M4-M5 Link Mainline Tunnels Blast Management Strategy V6* dated 26/11/2020 and the *M4-M5 Link Mainline Tunnels Blast Monitoring Program V7* dated 1/12/2020 stored on file EF17/13247.

L4.2 Blasting activities must:

- a) only undertaken between the hours of 7:00 am and 6:00 pm Monday to Friday;
- b) only undertaken between the hours of 8:00 am and 6:00 pm on Saturdays.
- c) include a maximum of two blasts per day up to 10mm/s and a further two blasts up to 5mm/s at any sensitive receiver.

Where compelling safety reasons exist, the EPA may permit a blast to occur outside the above mentioned hours. Prior written notification of any such blast must be made to the EPA.

L4.3 At monitoring locations described in condition P1.4, the ground peak vibration velocity from controlled blasting operations carried must not exceed 10mm/s at anytime.

L4.4 To determine compliance with condition L4.3:

- a) Ground vibration levels must be measured and electronically recorded for all blasts carried out in or on the premises at the monitoring points described in condition P1.4;
- b) Instrumentation used to measure the ground vibration levels must meet the requirements of Australian Standard AS 2187.2-2006: *Explosives—Storage and use Part 2: Use of explosives*.
- c) Error margins associated with any monitoring equipment used to measure ground vibration levels are not to be taken into account in determining whether or not the limit has been exceeded.

L4.5 All controlled blasting monitoring results conducted under P1.4 must be reported and submitted to the EPA for the first 14 days of when the production blasting is commenced.

- a) The results for Monday to Friday blasting must be submitted within 24 hours of each blast.
- b) The results for Saturday blasting must be submitted by COB the following Monday for each blast.

Note: After 14 days of reporting the EPA will consider the frequency of the reporting program being conducted.

L4.6 Controlled Blasting Community Notification

The licensee must notify potentially affected sensitive receivers predicted (modelled) to be within the

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2mm/sec contour to be impacted by the controlled blasting between 7 and 5 calendar days prior to the controlled blasting occurring.

The notification must be by letterbox drop or email and include, as a minimum, the following information:

- i. Relevant details about the planned controlled blasting including dates, times and locations;
- ii. Clearly state how additional information can be obtained including the project website; and
- iii. Clearly state how complaints can be made including provision of the number of the telephone complaints line required by condition M5.1, and afterhours contact phone number specific to the controlled blasting.

## L5 Hours of operation

L5.1 Unless otherwise specified by any other condition of this licence, construction works is:

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

L5.2 Any high noise impact works and activities must only be undertaken:

- a) between 8:00 am and 6:00 pm Monday to Friday;
- b) between 8:00 am and 1:00 pm Saturday; and
- c) in continuous blocks of no more than 3 hours, with at least a 1 hour respite between each block of work generating high noise impact, where the location of the works and activities is likely to impact the same noise sensitive receivers; except as expressly permitted by 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.

L5.3 Exemptions to standard construction hours for low noise impact works

The following works and activities may be carried out outside of the hours specified in condition L5.1 if the works and activities do not cause, when measured at the boundary of the most affected noise sensitive receiver:

- a) LAeq(15 minute) noise levels greater than 5dB above the day, evening and night rating background level (RBL) as applicable; and
- b) LA1(1 minute) or LAm<sub>ax</sub> noise levels greater than 15dB above the night RBL for night works; and
- c) continuous or impulsive vibration values greater than those for human exposure to vibration, set out for residences in Table 2.2 in "Environmental Noise Management - Assessing Vibration: a technical guideline" (DEC, 2006); and
- d) intermittent vibration values greater than those for human exposure to vibration, set out for residences in Table 2.4 in "Environmental Noise Management - Assessing Vibration: a technical guideline" (DEC, 2006).

For the purposes of this condition, the RBLs are those contained in an environmental assessment for the scheduled activity subject to this licence prepared under the Environmental Planning and Assessment Act 1979. Alternatively, the licensee may use another RBL determined in accordance with the "NSW Noise Policy for Industry" (EPA, 2017) and provided to the EPA prior to carrying out any works or activities under this condition.

L5.4 Exemptions to standard construction hours in exceptional circumstances

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- a) The licensee may undertake works outside of standard construction hours if any of the following applies:
- i. emergency works is required to avoid the loss of lives or property, or to prevent material harm to the environment;
  - ii. the delivery of oversized plant or structures has been determined by the police or other authorised authorities to require special arrangements to transport along public roads.
- b) The licensee must, on becoming aware of the need to undertake emergency construction work under this condition notify the EPA's Environment Line as soon as practicable and submit a report to the EPA by 2pm on the next business day after the emergency works commenced that describes:
- i. the cause, time and duration of the emergency; and
  - ii. action taken by or on behalf of the licensee in relation to the emergency; and
  - iii. details of any measures taken or proposed to be taken by the licensee to prevent or mitigate against a recurrence of the emergency.

For the purposes of this condition, 'material harm to the environment' has the same meaning as in section 147 of the POEO Act.

## L5.5 Exemptions to standard construction hours for tunnelling, tunnelling support and underground construction works

The following works are permitted to be undertaken 24 hours a day, 7 days a week:

- a) tunnelling activities excluding cut and cover tunnelling;
- b) haulage of spoil and delivery of material necessary to carry out tunnelling activities;
- c) works within an acoustic shed; and
- d) tunnel fit out works.

## L5.6 Works outside of standard construction hours (out-of-hours works)

Works may be undertaken outside of standard construction hours (out-of-hours works) but only if one or more of the following applies:

- a) carrying on those works and activities during the hours specified in condition L5.1 would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2009 "Risk Management"; or
- b) the relevant road network operator has advised the licensee in writing that carrying out the works and activities during the hours specified in condition L5.1 would result in a high risk to road network operational performance;
- c) the relevant utility service operator has advised the licensee in writing that carrying out the works and activities during the hours specified in condition L5.1 would result in a high risk to the operation and integrity of the utility network; or
- d) the TfNSW Transport Management Centre (or other road authority) have refused to issue a road occupancy licence during the hours specified in condition L5.1.

## L5.7 Works outside of standard construction hours - Regulatory Requirements

In undertaking any out-of-hours works under condition L5.6, the licensee must comply with the following:

- a) Prepare a construction noise impact assessment that is to include:
  - i. a description of the proposed out-of-hours works;
  - ii. predictions of LAeq (15 minute) noise levels at noise sensitive receivers from these works and activities, where noise levels are predicted to be greater than those permitted under condition L5.3; and
  - iii. a monitoring plan to validate the noise predictions, based on monitoring at the boundary of

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representative sensitive receivers during noise generating activities that are representative of the out-of-hours works;

b) Repealed.

c) Only undertake activities between the hours of 6:00pm on Mondays, Tuesdays, Wednesdays, Thursdays, Fridays and 7:00am the following day;

d) Ensure that out-of-hours works do not result in noise levels exceeding those specified in condition L5.3 at the same noise sensitive receivers on more than:

- i. 2 consecutive evenings and or nights per week; and
- ii. 3 evenings and or nights per week; and
- iii. 10 evenings and or nights per month.

e) Where high noise impact activities are undertaken, the respite provisions as per the requirements of condition L5.2(c) do not apply provided that all high noise impact activities are undertaken prior to 11pm where reasonable and feasible.

f) The licensee must notify the EPA of the commencement date of any out-of-hours works carried out under condition L5.6, 2 weeks prior to any work commencing at the licensed premises.

Note: The related monitoring requirement is specified in condition M6.4, and the relevant reporting requirements are specified in conditions R4.1b)vi. and R4.2.

## L5.8 Works outside of standard construction hours - Notification

In undertaking any out-of-hours works under condition L5.6, the licensee must notify potentially affected noise sensitive receivers of works outside of standard construction hours not less than 5 calendar days and not more than 14 calendar days before those works are to be undertaken.

a) The notification must be:

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

b) The notification required by this Condition must:

- i. Clearly outline the reason that the work is required to be undertaken outside the hours specified in condition L5.1;
- ii. Include a diagram that clearly identifies the location of the proposed works in relation to nearby cross streets and local landmarks;
- iii. Include details of relevant time restrictions that apply to the proposed works;
- iv. Clearly outline in plain English, the location, nature, scope and duration of the proposed works;
- v. Detail the expected noise impact of the works on noise sensitive receivers;
- vi. Clearly state how complaints may be made and additional information obtained; and
- vii. Include the number of the telephone complaints line required by condition M5.1, an after hours contact phone number specific to the works undertaken outside the hours specified in condition L5.1, and the project website address.

## L5.9 Works outside of standard construction hours - Respite Night Coordination

a) In undertaking any out-of-hours works under condition L5.6, the licensee must not allow out-of-hours works to occur on the respite night of any noise sensitive receiver that is likely to be affected by any works carried out:

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- i. outside the premises under the WestConnex M4-M5 Link SSI 7485 Infrastructure Approval issued under section 5.19 of the Environmental Planning and Assessment Act 1979 ('the Infrastructure Approval'); or
- ii. under environment protection licences 4627, 20772 ("the New M5 licences") and 20734 ("the M4 East licence") issued under the Act.

b) The licensee must coordinate the timing of out-of-hours works with the holders of the New M5 licences, and the M4 East licence to meet the requirements of this condition.

For the purposes of this condition, 'respite night' means an evening and night period when;

- a) a noise sensitive receiver is affected by noise levels from works less than those specified in condition L5.3, or
- b) out-of-hours works are not occurring under condition L5.6.

## L5.10 Community agreements

The licensee may undertake works outside of standard construction hours if agreement between the licensee and a substantial majority of noise sensitive receivers has been reached.

Note: This condition applies to out-of-hours works that have not been approved by another condition of this licence.

## L5.11 Any agreement(s) between the licensee and noise sensitive receivers referred to in condition L5.10 must be:

- a) submitted to the EPA for approval prior to any works that are the subject of the agreement being undertaken; and
- b) prepared in writing and a copy of the agreement(s) kept on the premises by the licensee for the duration of this licence; and
- c) kept on the licensee's project website or the RMS project website for the duration of the agreement (personal details of residents must be omitted); and
- d) prepared and implemented in accordance with condition E1.

## L5.12 Additional Out Of Hours Works

Concrete work activities associated with the ventilation building and substation construction at St Peter's Interchange are permitted to be undertaken outside of standard construction hours as specified in L5.2 due to technical quality requirements and specifications. That requires the concrete to be poured at RMS specification B80.

a) In undertaking any works or activities under this condition the licensee must comply with the mitigation measures described in the Noise Vibration Management Plan and the assessment submitted to the EPA 29/5/2020.

b) These works will be undertaken in maximum eight events (pours) with one continuous shift for each event and minimum one week apart between the events.

c) The licensee must notify the EPA 24 hours prior to each scheduled event to the environment line.

Note: The eight events are scheduled between June 2020 through to November 2021.

For the avoidance of doubt, conditions L4.8 and L4.9 will be applicable to any works carried out in accordance with this condition.

## 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 The licensee must implement all feasible and reasonable mitigation measures to ensure that construction work at the premises is carried on by such means as may be necessary to minimise dust emissions on the premises, and implement all feasible and reasonable mitigation measures to minimise the release of dust from the premises.

O3.2 All trucks carrying dry bulk material that enter and leave the premises must have their loads covered at all times, except during unloading and loading.

For the purposes of this condition, 'load' is defined as material contained within the body/trailer/bin of the truck, and on the gunnels of the truck.

## O4 Waste management

O4.1 The licensee must assess, classify and manage any waste generated at the premises in accordance with the *Waste Classification Guidelines Part 1: Classifying Waste, November 2014* prior to taking the waste off the premises.

O4.2 The licensee must not cause, permit or allow any waste generated outside the licensed premises to be received at the licensed premises for storage, treatment, processing, reprocessing, or disposal on the licensed premises, except as expressly permitted by an environment protection licence or resource recovery order and resource recovery exemption under the POEO Act, if such a licence is required in relation to that waste.

### O4.3 Waste Management Plans

Waste Management Plans must be prepared for all demolition/construction/excavation works undertaken on the premises that generate waste that will be disposed offsite (not including office paper or cardboard). The plan must be completed prior to waste being transported off the premises. The plans must include the following:

- a) Estimations of the different waste types to be generated from the proposed works; and
- b) Estimations of how much of each waste type will be generated from the proposed works; and

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- c) List of all places (full street address) where waste will be transported to; and
- d) Written confirmation from each place of disposal (listed in point c) that they can lawfully receive the types of waste proposed to be transported there; and
- e) Where the place of disposal changes after the plan has been made, an amendment to the plan can be made as an addendum that includes an update points a) to d) above.

O4.4 The licensee must ensure waste management, waste transport and waste disposal is carried out in accordance with the waste management plans prepared for the premises.

O4.5 A copy of all waste management plans must be kept on the premises.

## O4.6 Waste Transport Documentation and Record Keeping

Legible copies of all receipts and/or weighbridge dockets in relation to disposal of waste from the premises must be collected from transporters and/or contractors and kept by the licensee.

## O5 Other operating conditions

### O5.1 Erosion and sediment control

All feasible and reasonable erosion and sediment controls are to be implemented to minimise sediment (including dust) leaving the premises and are to be implemented before any soil disturbance or vegetation clearing commences.

O5.2 All erosion and sediment controls at the premises must be maintained until all disturbed areas are stabilised.

O5.3 The erosion and sediment controls to be implemented are to include but not be limited to:

- a) minimising the area of exposed soil as much as practicable, including stabilising disturbed areas as soon as practicable; and
- b) diversion of run-off from land upslope of the premises or undisturbed portions of the premises away from areas of soil disturbance as much as practicable; and
- c) diversion of run-off from areas of exposed soil to appropriate sediment control devices as much as practicable; and
- d) installing erosion controls in the base of drains used to divert runoff, to minimise erosion of sediment from the drain.

O5.4 Erosion and sediment controls are to be selected, installed and maintained taking into consideration the guidance in "Managing Urban Stormwater – Soils and Construction, Volume 2D, Main road construction" (DECC 2008) and "Managing urban stormwater: soils and construction – Volume 1" (Landcom 2006).

O5.5 The licensee must inspect the operation of all erosion and sediment controls installed on the premises and undertake any works required to repair and/or maintain these controls:

- a) at least weekly;
- b) daily during periods of rainfall that causes runoff to occur; and
- c) prior to any site closure of greater than 24 hours.

O5.6 The licensee is required to prepare an erosion and sediment control strategy document. The licensee must ensure that:

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- a) The document describes all erosion and sediment controls (including those relating to the minimisation of mud tracking from the premises) to be implemented at the site; and
- b) The document is prepared before the controls are implemented; and
- c) A copy of the document is kept at the premises until the licences is surrendered; and
- d) The document includes an assessment of how the reasonable and feasible erosion and sediment controls (including those relating to the minimisation of mud tracking from the premises) were selected; and
- e) The document is updated prior to, or as soon as practicable after, any changes to the erosion and sediment controls are carried out.

- O5.7 The licensee must record all inspections of erosion and sediment controls, including observations on the condition of the controls, and works undertaken to repair and/or maintain the controls. These records are to be kept on the premises.
- O5.8 All stockpiled material must be stabilised as soon as practicable if the stockpile has been left in-situ, outside of an acoustic shed for greater than 5 calendar days.
- O5.9 The licensee must implement all feasible and reasonable measures to minimise soil or mud from the premises being deposited on public roads in the vicinity of the premises.
- O5.10 Stage 3 interface worksite

The following requirements apply to the portion of the premises located south of Campbell Road and Campbell St, St Peters, known as the 'Stage 3 interface worksite' ('the worksite'), which comprises part of Strata Plan (SP) 71139, Lot 2 in Deposited Plan (DP) 1168612, Lot B in DP 376645, Lot 1 in DP 88087, Lot 1 in DP 129280, and Lot 1 DP 1168612:

- a) No smoking is to be permitted on the worksite to minimise the potential for ignition of ground gas.
- b) All buildings constructed on the worksite should be constructed on piers either with a ventilated crawl space beneath the building floors or incorporating site-specific ground gas risk mitigation measures.
- c) Construction plant loading and localised footings (up to 1m<sup>2</sup>) are permitted on the site provided the loading does not exceed 150 kPa. If higher loads or dynamic loads are proposed, a site specific assessment is to be undertaken by a suitably qualified and experienced person to ensure that the proposed loading does not present a risk to the integrity of the capping layer or the gas collection system on the worksite.
- d) The capping layer on the worksite is not to be breached by any excavation unless an excavation management plan is prepared by a person suitably qualified and experienced in contaminated land management prior to the excavation commencing. The plan is to:
  - i. identify the potential for gas emissions and exposure of contaminated soil and groundwater from the proposed works, and the potential for damage to the gas collection system;
  - ii. specify the methods to be adopted to protect and/or reinstate the gas collection system and capping materials; and
  - iii. specify surface emission testing requirements on the reinstated capping layer.
 The excavation is to be carried out in accordance with this management plan.
- e) If the capping layer is damaged or breached other than in accordance with an excavation management plan, the following actions are to be taken as soon as practicable:
  - i. a person suitably qualified and experienced in contaminated land management is to inspect the area and assess the condition of the capping layer. This person is to provide recommendations for restoring the integrity of the gas collection capping layer;
  - ii. monitoring for ground gas in the vicinity of the capping layer breach is to be undertaken. The results of the air monitoring are to be compared to action levels for flammable gases and, where appropriate, workplace exposure standards published by Safe Work Australia; and
  - iii. If applicable, repair the gas collection system and restore the capping layer.



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- f) An inspection of the worksite is to be carried out weekly and is to include the following:
- i. observations on the condition of the surface of the site (e.g. damage or breach to the capping layer or damage to the gas collection system); and
  - ii. comment on any odours originating from the site surface.

Records of the inspection are to be made and kept on the premises. The records are to include the time and date of the inspection, the name of the person who conducted the inspection and any observations during the inspection.

O5.11 Notwithstanding condition O5.10, construction activities may be undertaken following development of an Environmental Management Plan or similar, subject to written approval from a NSW EPA accredited site auditor.

## O5.12 Long-term Environmental Management Plan

The licensee must implement all of the environmental protection measures (including monitoring, reporting and any required contingency action processes) in accordance with the document entitled 'Long-Term Environmental Management Plan - St Peters Interchange Area, WestConnex Stage 3A' ('LTEMP') prepared by Senversa Pty Ltd and dated 6 September 2022, unless otherwise agreed to in writing with the EPA.

Note: Annual reports must be provided to the EPA each year from December 2023 to 2032 inclusive, and verification reports must be provided at the end of 2027 and 2033.

## 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:

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## M2.2 Water and/ or Land Monitoring Requirements

### POINT 1,2,3,4,5,6,8

Pollutant	Units of measure	Frequency	Sampling Method
pH	pH	Monthly	Probe
Total suspended solids	milligrams per litre	Monthly	Grab sample

### POINT 3,4,5,6

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	milligrams per litre	Monthly	Grab sample
Cadmium	milligrams per litre	Monthly	Grab sample
Chromium (hexavalent)	milligrams per litre	Monthly	Grab sample
Chromium (trivalent)	milligrams per litre	Monthly	Grab sample
Copper	milligrams per litre	Monthly	Grab sample
Iron	milligrams per litre	Monthly	Grab sample
Lead	milligrams per litre	Monthly	Grab sample
Manganese	milligrams per litre	Monthly	Grab sample
Mercury	milligrams per litre	Monthly	Grab sample
Nickel	milligrams per litre	Monthly	Grab sample
Zinc	milligrams per litre	Monthly	Grab sample

### POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Monthly	Grab sample

M2.3 Where only surface water is being discharged from Point 3 or 4, the monitoring requirements specified in M2.2 are not applicable except for TSS, pH and Oil and Grease until a Water Treatment Plant is operational.

## 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 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of

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the licensee in relation to pollution arising from any activity to which this licence applies.

M4.2 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.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until 5 business days after the date of the issue of this licence.

M5.4 Notification of community complaints line

The licensee must ensure that the community notification required by condition M5.2 is undertaken:

- a) by including details on the project website on:
  - i. how the public can make a complaint on the telephone complaints line; and
  - ii. how complaints will be processed.
- b) by clear signage at the boundary of each worksite that contains both the telephone complaints line number and the project website details.

M5.5 Noise and vibration complaints

- a) The licensee must investigate noise and vibration complaints:
  - i. within two hours of the complaint being made; or
  - ii. in accordance with any documented complaint management agreement between the licensee and 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, and the licensee is not in possession of noise monitoring data in the vicinity of the complainants location and of the subject works and activities being undertaken on the licensed premises, includes an offer to the complainant to undertake attended noise or vibration monitoring at their premises.
- c) If the occupant of the dwelling or management personnel of a noise sensitive receiver other than a dwelling

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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.

## M5.6 Notifying results of complaint investigation

The licensee must, in respect of each complaint made to the telephone complaints line required by condition M5.1, advise each complainant of the results of its investigation of their complaint and any proposed remedial action.

## M6 Noise monitoring

- M6.1 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 Noise Policy for Industry" (EPA, 2017).
- M6.2 All vibration monitoring must be undertaken in accordance with the technical guidance provided in the "Environmental Noise Management - Assessing Vibration: a technical guideline" (DEC, 2006). All vibration monitoring results may be assessed and reported against the acceptable values of human exposure to vibration set out in Tables 2.2 and 2.4 of the guideline.
- M6.3 The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA.
- M6.4 During out-of-hours works undertaken in accordance with condition L4.6, noise monitoring is to be undertaken in accordance with the monitoring plan prepared under condition L4.7 a).

## 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 notification that the Annual Return is due.

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



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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 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 they became aware of the incident.

## 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



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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:
- the cause, time and duration of the event;
  - the type, volume and concentration of every pollutant discharged as a result of the event;
  - 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;
  - 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;
  - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
  - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
  - 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 reports

- 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 M5 or through any other means.
- The report must:
  - Be submitted to the email address nominated by the EPA; and
  - Include a unique identifier number for each complainant together with the details required by condition M4.2; and
  - Include date and time as reported by the complainant of the event that is the subject of the complaint; and
  - Include an outline of the work or activity that is the subject of the complaint; and
  - Include the complaints received between 12am and 12pm; and
  - If the works have been carried out under conditions L4.2, L4.3, L4.4, L4.5, L4.6 or L4.10, the report must include a copy of any assessments required by these conditions unless previously provided to the EPA, and details of how the requirements of these conditions have been met if requested by an authorised officer of the EPA.
- 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

- Upon request of an authorised officer of the EPA, the licensee must submit a Preliminary Investigation

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Report to the EPA in respect of any noise or vibration monitoring undertaken in accordance with the requirements of condition M6.4.

b) The Preliminary Investigation Report must be submitted to the EPA by 4.30pm of the afternoon of the next business 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 activities and implement all reasonable and feasible measures to prevent a recurrence of the exceedance; and

ii. Submit a Follow-Up Investigation Report to the EPA within 5 business days of any noise or vibration monitoring having been undertaken (unless otherwise approved by the EPA).

iii. The Follow-Up Investigation Report must include:

1. Confirmation of whether noise monitoring has been undertaken in accordance with AS2659 and the compliance monitoring guidance provided in the INP; and
2. Confirmation of whether vibration monitoring has been undertaken in accordance with the guidance provided in the "Environmental Noise Management - Assessing Vibration: a technical guideline" (DEC, 2006); and
3. Details of the prevailing meteorological conditions during the period when the monitoring was undertaken; and
4. A map of each noise and vibration monitoring location in relation to the noise source, including relevant distances; and
5. Numerical and/or graphical representation of the noise and vibration monitoring results; and
6. An analysis of the noise and vibration monitoring results; and
7. Details of any remedial action taken in relation to the matter; and
8. In cases not the subject of remedial action, detailed justification of the decision not to undertake remedial action.

R4.3 Repealed.

## 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.

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## G2 Contact number for incidents and responsible employees

- G2.1 The licensee must provide the EPA with up to date contact details to enable the EPA:
- a) to contact either the licensee or a representative of the licensee who can respond at all times to incidents relating to the premises, and
  - b) to contact the licensee's senior employees or agents authorised at all times to:
    - i. speak on behalf of the licensee, and
    - ii. provide any information or document required under licence.
- G2.2 The contact details required by condition G2.1 above must include:
- a) the full name and title of the authorised representatives and the scope of their respective authorisations; and
  - b) the direct telephone number, mobile number, email address and postal address for contacting each authorised representative.

## G3 Other general conditions

- G3.1 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 the 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 Community Agreements

#### E1.1 Requirements for community agreements

Any community agreement to permit works to be undertaken outside of standard construction hours (OOHW) under condition L4.11 must:

- a) be prepared and implemented in accordance with the relevant sections of the "Interim Construction Noise Guidelines" (DEC 2009), the "Noise Policy for Industry" (EPA, 2017) and AS2346-2010 "Guide to noise and vibration control on construction, demolition and maintenance sites";
- b) detail the following:
  - i. the actual works proposed;
  - ii. any expected impacts in clear, simple English based on noise modelling;
  - iii. the expected duration of the works;
  - iv. any expected benefits for receivers;
  - v. any other concurrent OOHW that will be occurring; and
  - vi. any other OOHW that will be occurring on the nights preceding and following the proposed works or, if the proposed work precedes or follows a weekend period, any other OOHW that will be occurring on the weekend.
- c) demonstrate that the noise sensitive receivers party to the agreement understand the nature of the works

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and any predicted impacts; and

d) be kept for the duration of the agreement and made available to an EPA authorised officer on request.

## E1.2 Consultation and engagement

In relation to consulting and engaging with noise sensitive receivers for a community agreement, the following applies:

- a) all noise sensitive receivers predicted by modelling to be impacted by noise greater than 5 dB(A) above RBL must be consulted on any proposed community agreement. This includes noise sensitive receivers that have declined to participate in previous agreements; and
- b) all proposed agreements must include details for interpreting services for languages other than English where required; and
- c) if a licensee is unable to contact a noise sensitive receiver after three attempts, including leaving "sorry I missed you" cards explaining the reason for the visit and requesting a return phone call, then the licensee will note that the receiver could not be contacted and the receiver will not be considered to have either agreed or disagreed; and
- d) records of the attempts to contact the receiver will be kept by the licensee.

## E1.3 Agreement thresholds

The EPA will consider agreements reached between the licensee and a substantial majority of both:

- a) noise sensitive receivers predicted by the licensee to be impacted by noise levels exceeding those specified in Condition L4.3(a) and L4.3(b); and
- b) noise sensitive receivers predicted to by the licensee to be impacted by noise levels above a highly noise affected level of 75dB(A).

## E1.4 Community agreements attained by phone

Where a community agreement has been reached with noise sensitive receivers over the phone, the following applies:

- a) the phone script used to describe the proposed agreement (including information required under Condition E1.1(b)) is to be provided to the EPA with the community agreement for approval; and
- b) the script must include a clear question requesting receiver agreement to the proposal; and
- c) detailed records are to be maintained by the licensee of all community agreement phone conversations and must be maintained for the duration of the community agreement; and
- d) any noise sensitive receiver who requests a copy of the phone agreement must be supplied with one.

## E1.5 Notification

All noise sensitive receivers must be advised of any community agreement that has been attained in writing within seven calendar days of the agreement being finalised and must:

- a) include a website link to the project website, specifically to a summary of the approved project agreement; and
- b) include details of the licensee's complaints line as required by Condition M5; and
- c) include details of the EPA's Environment Line.

The notification requirements in Condition L4.8 apply to community agreements.

## E1.6 Monitoring

Validation monitoring must be undertaken for any works that are the subject of a community agreement and

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must:

- a) be performed by a suitably qualified and experienced person; and
- b) be performed on at least the first 2 nights where OOHW will be undertaken.

- E1.7 If validation monitoring undertaken under Condition E1.6 shows that noise levels are higher than those predicted by any noise modelling undertaken as part of the community agreement, work practices must be modified so that measured noise levels do not exceed predicted levels.
- E1.8 A validation monitoring plan must be submitted to the EPA for approval as part of the community agreement documentation prior to any OOHW occurring.

## E2 Special Dictionary

### E2.1 Special Dictionary

The control blasting trial sensitive receiver is defined as: The land use at which vibration from the activity/blasting can potentially be felt by an occupant.

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 works	includes all construction work and activities, and all construction-related work and activities, undertaken on the premises.
Day	the period from 0700 to 1800 h (Monday to Saturday) and 0800 to 1800 h (Sundays and Public Holidays).
Evening	the period from 1800 to 2200 h.
Feasible and reasonable	feasible means actions to reduce impacts, and is capable of being put into practice or engineered and practical to build given project constraints. Reasonable means selecting reasonable measures from those that are feasible based on whether the overall benefits outweigh the overall adverse social, economic and environmental effects, including the cost of the measure.
High noise impact works and activities	means work occurring on the surface that generates noise with impulsive, intermittent, tonal or low frequency characteristics, and may include jack hammering, rock breaking or hammering, pile driving, vibratory rolling, cutting of pavement, concrete or steel.
Night	the period from 2200 to 0700 h (Monday to Saturday) and 2200 to 0800 h (Sundays and Public Holidays).
Noise Management Levels (NML's)	has the same meaning as "Airborne Noise Management Levels" in the Interim Construction Noise Guideline (DECC, 2009).
Noise sensitive receiver	Land uses that are sensitive to noise, such as residential areas, churches, schools and recreation areas.
Out-of-hours works (OOHW)	means construction works and activities undertaken outside those times prescribed by condition L4.1.

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Standard construction hours

means the times specified in condition L4.1.

## 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

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<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> .

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<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
<b>Wellhead</b>	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Mike Sharpin

Environment Protection Authority

(By Delegation)

Date of this edition: 09-October-2018



# Environment Protection Licence

Licence - 21149

## End Notes





2	Licence varied by notice	1575164 issued on 25-Jan-2019
3	Licence varied by notice	1576547 issued on 27-Feb-2019
4	Licence varied by notice	1576785 issued on 08-Mar-2019
5	Licence varied by notice	1582531 issued on 19-Jul-2019
6	Licence varied by notice	1587476 issued on 01-Nov-2019
7	Licence varied by notice	1594860 issued on 15-May-2020
8	Licence varied by notice	1595196 issued on 12-Jun-2020
9	Licence varied by notice	1597223 issued on 22-Jul-2020
10	Licence varied by notice	1597841 issued on 24-Jul-2020
11	Licence varied by notice	1599691 issued on 10-Dec-2020
12	Licence varied by notice	1617357 issued on 05-Apr-2022
13	Licence varied by notice	1618701 issued on 21-Dec-2022

# WestConnex M4-M5 Link Tunnels

## EPL 21149 Premise Boundary Map 1 of 5

M4M5-LSBJ-PRW-EN-GE01-MAP-0001

### Legend

-  Indicative Water Discharge Points
-  Construction Premise Boundary
-  Underground Tunnel Premise Boundary
-  HV transmission

Rev 19 13/09/2022



This map is shown for reference purposes only. Lendlease provides this information "as is" with the understanding that it is not guaranteed to be accurate, correct or complete and conclusions drawn from such information are the responsibility of the user. While every effort is made to ensure the information displayed is as accurate and current as possible, Lendlease will not be held responsible for any loss, damage or inconvenience caused as a result of reliance on such information or data.

## WestConnex M4-M5 Link Tunnels







# WestConnex M4-M5 Link Tunnels

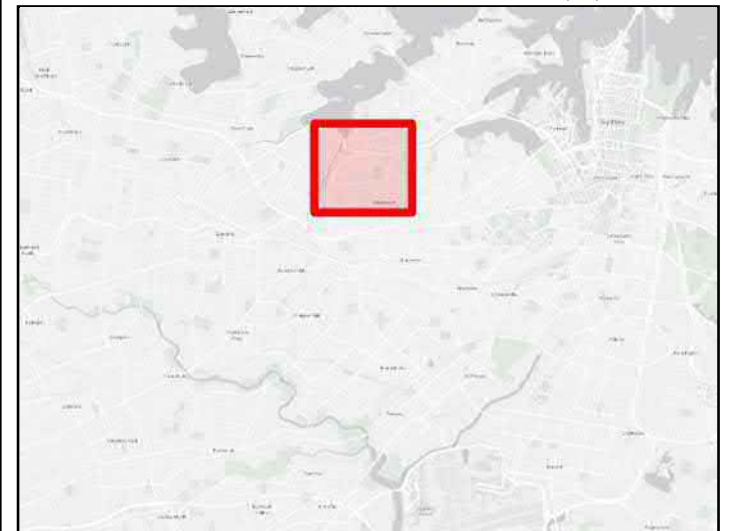
## EPL 21149 Premise Boundary Map 2 of 5

M4M5-LSBJ-PRW-EN-GE01-MAP-0001

### Legend

-  Indicative Water Discharge Points
-  Construction Premise Boundary
-  Underground Tunnel Premise Boundary
-  HV transmission

Rev 19 13/09/2022



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**WestConnex** M4-M5 Link Tunnels







# WestConnex M4-M5 Link Tunnels

## EPL 21149 Premise Boundary Map 3 of 5

M4M5-LSBJ-PRW-EN-GE01-MAP-0001

### Legend

-  Indicative Water Discharge Points
-  Construction Premise Boundary
-  Underground Tunnel Premise Boundary
-  HV transmission

Rev 19 13/09/2022



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# WestConnex M4-M5 Link Tunnels







# WestConnex M4-M5 Link Tunnels

## EPL 21149 Premise Boundary Map 4 of 5

M4M5-LSBJ-PRW-EN-GE01-MAP-0001

### Legend

-  Indicative Water Discharge Points
-  Construction Premise Boundary
-  Underground Tunnel Premise Boundary
-  HV transmission

Rev 19 13/09/2022



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## WestConnex M4-M5 Link Tunnels




# WestConnex M4-M5 Link Tunnels EPL 21149 Premise Boundary Map 5 of 5

M4M5-LSBJ-PRW-EN-GE01-MAP-0001


## Legend

### ENVIRONMENTAL


EPL Premise Boundary

 EPL Premise Boundary

 EPL Premise Boundary - Underground

 HV transmission

Indicative Water Discharge Points

 Indicative Water Discharge Points

Rev 19 13/09/2022



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**WestConnex** M4-M5 Link Tunnels

