

Environment Protection Licence

Licence - 20351

Licence Details	
Number:	20351
Anniversary Date:	01-May

Licensee
SANTOS QNT PTY LTD
GPO BOX 1010
BRISBANE QLD 4000

Premises
KAHLUA PILOT, GEORGES ISLAND, LONGLEA AND YANNERGEE WELLS
GOOLHI ROAD AND COONABARABRAN ROAD
GUNNEDAH NSW 2380

Scheduled Activity
Petroleum exploration, assessment and production

Fee Based Activity	Scale
Petroleum exploration, assessment and production	9 Wellheads at beginning of licence fee period

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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:

SANTOS QNT PTY LTD
GPO BOX 1010
BRISBANE QLD 4000

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.

Scheduled Activity	Fee Based Activity	Scale
Petroleum exploration, assessment and production	Petroleum exploration, assessment and production	9 Wellheads at beginning of licence fee period

A1.2 This licence does not authorise the above scheduled activities where approval for these activities is also required under the *Environmental Planning and Assessment Act 1979* and/or the *Petroleum (Onshore) Act 1991*, and approval has not been granted under these acts.

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
KAHLUA PILOT, GEORGES ISLAND, LONGLEA AND YANNERGEE WELLS
GOOLHI ROAD AND COONABARABRAN ROAD
GUNNEDAH
NSW 2380
THE PREMISE INCLUDES THE AREAS IDENTIFIED IN CONDITION A2.2, A2.3 AND A2.4. THE PREMISES ALSO INCLUDES WELLS AND INFRASTRUCTURE IDENTIFIED IN THE MAP TITLED 'SANTOS QNT PTY LTD ENVIRONMENT PROTECTION LICENCE NO 20351' DATED 21 JANUARY 2020 AND WITH EPA REFERENCE DOC13/86468 AND MAP TITLED 'SANTOS QNT PTY LTD ENVIRONMENT PROTECTION LICENCE NO 20351 - YANNERGEE' DATED 21 JANUARY 2020 AND WITH EPA REFERENCE DOC13/86468-1

A2.2 In relation to A2.1 the premises also includes wells sites, trunk lines, any associated water storages, utilisation areas, temporary work areas and infrastructure associated with the gas gathering system, gas well and trunk lines that are located within Lot 6, DP586978 and Lot 2, DP216892

A2.3 For the purposes of A2.1, the premises also includes the immediate areas in a 10 metre radius of all infrastructure in connection to the operation of the gas wells as described in A2.1. All well sites defined in A2.1 and A2.2 have a nominal area of 100m x 100m and are surrounded by fencing.

A2.4 In relation to condition A2.1, the premises also includes the coreholes listed in the table below as well as a nominal area of 100m x 100m immediately surrounding that corehole:

Corehole Name	Easting	Northing	Coordinate System
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Longlea 1	209863	6565194	GDA94 / MGA Zone 56
Georges Island 3	246364	6527205	GDA94 / MGA Zone 56
Georges Island 2A	246907	6527207	GDA94 / MGA Zone 56
Georges Island 1	247197	6527026	GDA94 / MGA Zone 56
Yannergee 1	218557	6517891	GDA94 / MGA Zone 56

A2.5 Any maps referred to in this section and included as part of this licence indicate the activity that is authorised by this licence to be undertaken at each well site.

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

P1 Location of monitoring/discharge points and areas

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

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1		Discharge to air	Flare for Kahlua 2-5 pilot labelled 'Kahlua 2 flare' on map titled 'Santos QNT Pty Ltd Environment Protection Licence No. 20351' dated 25 November 2013 and with EPA Reference No. Doc13/86468

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.

3 Limit Conditions

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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 Load limits

- L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

- L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
Benzene (Air)	
Benzo(a)pyrene (equivalent) (Air)	
Fine Particulates (Air)	
Hydrogen Sulfide (Air)	
Nitrogen Oxides (Air)	
Sulfur Oxides (Air)	
Volatile organic compounds (Air)	

L3 Noise limits

Operational activities limits

- L3.1 Noise generated at the premises must not exceed the noise limits in the table below:

Location	Day Noise Limit LAeq(15 minute)	Evening Noise Limit (LAeq (15 minute))	Night Noise Limit (LAeq (15 minute))
any residential sensitive receptor not subject to a private negotiated agreement	35dB(A)	35dB(A)	35dB(A)

- L3.2 For the purpose of Condition 3.1:
- Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays;
 - Evening is defined as the period from 6pm to 10pm; and
 - Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays.

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- L3.3 To determine compliance:
- a) with the $L_{Aeq}(15 \text{ minute})$ noise limits in condition L3.1, the noise measurement equipment must be located:
- approximately on the property boundary, where any dwelling is situated 30m or less from the property boundary closest to the premises; or
 - within 30 meters of a dwelling facade, but not closer than 3m, where any dwelling on the property is situated more than 30 meters from the property boundary closest to the premises; or, where applicable
 - within approximately 50 meters of the boundary of a National Park or a Nature Reserve.
- b) with the noise limits in condition L3.1, the noise measurements equipment must be located:
- at the most affected point at a location where there is no dwelling at the location; or
 - at the most affected point within an area at a location prescribed by condition L3.2.
- L3.4 For the purposes of determining the noise generated at the premises the modification factors in Section 4 of the NSW Industrial Noise Policy must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

L4 Hours of operation

Construction activities limits

L4.1 Standard construction hours

Unless otherwise specified by any other condition of this licence, all construction activities are:

- 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 1:00pm Saturday; and
- c) not to be undertaken on Sundays or Public Holidays.

L4.2 Exceptions to standard construction hours

The following activities may be carried out outside of the hours permitted by Condition L4.1:

- a) Construction work that causes $L_{Aeq}(15 \text{ minute})$ noise levels that are:
 - (i) no more than 5dB above rating background level at any residence not subject to a private negotiated agreement, 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) The delivery of plant, equipment and materials which is required to be delivered outside of the standard construction hours by Police and/or other authorised authorities; and
- c) Emergency work to avoid loss of life, damage to property and/or environmental harm.

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The licensee must on becoming aware of the need to undertake emergency work – notify the Environment Protection Authority (EPA) Environment Line on 131 555.

L5 Potentially offensive odour

L5.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

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 All areas in or on the premises must be maintained in a condition that prevents or minimises the emission into the air of dust.

O3.2 Any activity in or on the premises must be carried out by such practicable means as to prevent or minimise the emission into the air of dust.

O3.3 Any plant in or on the premises must be operated by such practicable means as to prevent or minimise the emission of dust into the air.

O4 Processes and management

O4.1 The licensee must ensure that any liquid and/or non liquid waste at the premises is assessed and classified in

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accordance with the EPA Waste Classification Guidelines as in force from time to time.

O4.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

O5 Other operating conditions

Gas Leak Detection and Repair Program

- O5.1 The licensee must design and implement a Gas Leak Detection and Repair (LDAR) program for all gas process plant and equipment on the premises. The LDAR program must include the following:
1. The objective of the LDAR is to prevent and minimise the emission of air pollutants (consistent with condition E2.1 of this license).
 2. All gas process plant and equipment must be checked for leaks annually, unless otherwise approved in writing by the EPA
 3. All leaks must be repaired within 15 days of detection, unless otherwise approved in writing by the EPA.

Note: The term "leak" for the purpose of this operating condition is defined in the Special Dictionary E1.1 as "reportable leak".

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 Testing methods - load limits

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Note: Division 4 of the *Protection of the Environment Operations (General) Regulation 2022* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

M3 Recording of pollution complaints

M3.1 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.

M3.2 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.

M3.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M3.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M4 Telephone complaints line

M4.1 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.

M4.2 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.

M4.3 The preceding two conditions do not apply until : the date of the issue of this licence.

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,

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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.

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 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date.

The notification must specify:

- a) the assessable pollutants for which the actual load could not be calculated; and
- b) the relevant circumstances that were beyond the control of the licensee.

R1.7 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.

R1.8 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.

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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 out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
- d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

Gas Leak Detection and Repair Program Reporting

R4.1 The licensee must retain records of the Gas Leak Detection and Repair (LDAR) program for a period of at least four years from the date the leak was detected.

Note: For the purpose of condition R4.1, 'records' must include:

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- a. The total number of leaks detected during the reporting period;
- b. The type of component/s repaired as part of the LDAR program during the reporting period; and,
- c. The time taken to complete each repair.

R4.2 The licensee must submit a brief summary report on the Gas LDAR program with the annual return. The summary report must include, but may not be limited to the following:

- a. The total number and type of components not repaired within the required timeframes in O5.1
- b. Reviewing current leak detection practices and technology implemented at the premises to ensure it is fit for purpose
- c. The licensee must carry out a full review of the Leak Detection and Repair Program every 5 years. In undertaking the review, the licensee must benchmark the effectiveness of current leak detection practices in the existing LDAR program with best available leak detection practices, technology and provide an updated reportable leak classification.

Note 1: The LDAR program must be equivalent or greater than "Method 21 - Determination of Volatile Organic Compound Leaks" and its accompanying updates.

Note 2: The term "leak" for the purpose of this reporting condition is defined in the Special Dictionary E1.1 as "reportable leak".

Spatial Information

R4.3 The licensee must submit to the EPA updated spatial information with the Annual Return when there have been infrastructure changes to the licence as identified in condition A2.1. The information must be provided in an ESRI geodatabase or shapefile format or any ESRI compatible dataset in GDA94.

Well Status Notifications

R4.4 In relation to a well at the premises, if the licensee submits a well status notification to the Department of Regional NSW in accordance with the petroleum legislation guide titled '*Onshore petroleum reporting and data submission*', a copy of that well status notification must be supplied to the EPA at the same time.

Wellhead Reporting

- R4.5 During the current reporting period, the licensee must report to the EPA the number of wellheads that will be present at the premises at the commencement of the next reporting period.
- R4.6 The report for the number of wellhead must be supplied to the EPA by email to info@epa.nsw.gov.au at least 21 days before the end of the current reporting period.
- R4.7 The report for the number of wellheads must be prepared each reporting period.

Note: The terms "reporting period" and "wellhead" are defined in the Dictionary at the end of this licence.

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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 mobile plant to which the licence applies.
- G1.2 A copy of this licence must be kept at the premises to which the licence applies.
- G1.3 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.4 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Other general conditions

- G2.1 The licensee must prepare a Groundwater Monitoring and Management Plan for the licensed operations.

The plan must include (at a minimum) details regarding:

- (a) Identification and discussion of water bearing zones and target coal seams;
- (b) Conceptual site models (cross-section) illustrating project and regional setting;
- (c) Proposed groundwater quality monitoring locations;
- (d) An assessment of the effectiveness of any aquitards and aquicludes for confining water or liquid movement from or to the groundwater sources/aquifers identified above and monitoring performance during pilot;
- (e) Parameters proposed to be monitored;
- (f) Frequency for groundwater quality monitoring;
- (g) Justification for points (c), (e) and (f); and
- (h) Presentation and assessment of any existing groundwater monitoring data or baseline data.

- G2.2 The licensee must provide the plan outlined in G2.1 to the EPA for approval no less than three months prior to the recommencement of pilot well operations at the premises.
- G2.3 The licensee must fully implement the Groundwater Monitoring and Management Plan required by condition G2.1 prior to the recommencement of pilot well operations at the premises.

8 Special Conditions

E1 Special Dictionary

- E1.1

Term	Definition
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Construction activities	include drilling of wells and construction of infrastructure including pipelines, well pads, water treatment facilities, flares and access roads
Operational activities	includes well work over activities as well as all activities not defined under construction activities
Reportable Leak	an emission due to an unplanned release from a well site facility that, at a measurement distance of 150mm immediately above (and downwind) and surrounding the leak source in an open air environment above ground position; gives a sustained LFL reading greater than 10% of LFL for a 15 second duration.

E2 Air Impurities

- E2.1 Activities occurring at the premises must be carried out in a manner what will minimise the emissions of air pollutants from the premises

E3 Environmental Liability Insurance

- E3.1 The licensee is required to take out and maintain a policy of insurance and/or provide evidence of asset provisioning or other financial arrangements for the payment of costs for clean-up action and for claims for compensation or damages resulting from the pollution in connection with the activity or work authorised or controlled by this licence. The licensee must provide to the EPA, justification for the level of insurance and, if relevant, asset provisioning or other financial arrangements, that demonstrates considerations of pollution events or other potential environmental legacy matters that informed the policy of insurance, asset provision or other financial arrangements.
- E3.2 The licensee is required to have a financial auditor review the adequacy of the "Environmental Liabilities for EPL 20350, EPL 20351 and EPL 20352" prepared by EHS Support, March 2023 as a requirement under the Guideline on Estimating Financial Assurance titled "Environment Protection Authority Estimating financial assurances: Guideline on Independent Assessment of Costs" that must be provided to the EPA by 06 October 2025 to info@epa.nsw.gov.au.
- E3.3 The licensee must provide evidence of the currency and/or renewal for all policies of insurance or any asset provision or other financial arrangements required by this condition annually to the EPA with the corresponding Annual Return and on commencement of any new activities or works authorised or controlled by this licence which may result in pollution not already covered by the policy insurance, asset provision or other financial arrangements required under condition E3.1.
- E3.4 Any policy or policies of insurance required under E3.1 must be obtained from an Australian Prudential Regulation Authority (APRA) regulated insurer with a minimum credit rating equivalent:
- 1.A- on the Standard and Poor's Global rating, or
 - 2.A3 on the Moody's rating.

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Dictionary

General Dictionary

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

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

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Ms Carmen Dwyer

Environment Protection Authority

(By Delegation)

Date of this edition: 01-May-2014

End Notes

2	Licence varied by notice	1529289 issued on 10-Apr-2015
3	Licence varied by notice	1571503 issued on 03-Mar-2020
4	Licence varied by notice	1620045 issued on 23-Aug-2022
5	Licence varied by notice	1623429 issued on 17-Nov-2022
6	Licence varied by notice	1629301 issued on 19-Jun-2023
7	Licence varied by notice	1629994 issued on 19-Jun-2023
8	Licence varied by notice	1639218 issued on 17-Feb-2025