

Permit

Environmental Protection Act 1994

Environmental authority EPPG00568413

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPG00568413

Environmental authority takes effect on the 29 September 2021

Environmental authority holder(s)

Name(s)	Registered address
APA (SWQP) PTY LIMITED	Level 25 580 George St SYDNEY NSW 2000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Schedule 3 - 08 - A petroleum or GHG storage activity, other than items 1 to 7, that includes an activity from Schedule 2 with an AES	PPL129, PPL24
Schedule 3 - 04 - Extending an existing pipeline by more than 150km under a petroleum authority	PPL24
Ancillary 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	PPL129, PPL24
Ancillary 63 - Sewage Treatment - 1(b-i) - Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	PPL24
Ancillary 60 - Waste disposal - 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	PPL24

Environmentally relevant activity/activities	Location(s)
Ancillary 15 - Fuel burning - Using fuel burning equipment that is capable of burning at least 500kg of fuel in an hour	PPL24

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

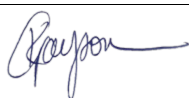
- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. The payment of the annual fee will be due each year on this day. An annual return will be due each year on 01 April.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

29 September 2021

Date

Kate Grayson
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

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Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able to take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at www.qld.gov.au. For queries about privacy matters please email privacy@des.qld.gov.au or telephone 13 74 68.

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

Legislative requirements and conditions of environmental authority

Schedule A – Authorised Activities

- PPSCA 2 The following types of petroleum activities are not authorised:
- processing or storing petroleum or petroleum by-products that are not necessarily associated with pipeline construction or operation
 - extracting earthen materials (other than drilling waste rock or trench spoil) of more than 100,000t/year
 - extracting by dredging more than 1000t/year of material from the bed of naturally occurring surface waters
 - construction of power lines (either above or below ground) outside the right of way necessary for the pipeline.
- PPSCA 3 Only low impact petroleum activities can be undertaken within Category A Environmentally Sensitive Areas (ESAs), or Category B ESAs or Category C ESAs other than state forests or timber reserves, or within the ESAs' primary protection zone.
- Var 1 Despite (PPSCA 3), petroleum activities for pipeline operations and maintenance may be undertaken within Category A Environmentally Sensitive Areas (ESAs), or Category B ESAs or Category C ESAs and associated protection buffers, provided activities are restricted to the approved pipeline easement and area previously disturbed for pipeline construction.
- Var 1A Despite conditions (PPSCA 3) and (Var 1), the activities listed in *Table 1 – Authorised activities* within ESA's and protection buffers, are permitted at the locations identified.

Table 1 – Authorised petroleum activities in the ESA and protection buffers

Tenure	Description of Infrastructure	ESA Description	Location	Maximum area of ESA disturbance (ha)
PPL24	Compressor Station SS6	Within Category C ESA (of concern regional ecosystem RE 6.5.3) and within Cat C ESA (OC RE 6.5.2 & 6.5.3) associated protection Zone	Compressor Station SS6 on Lot 6 SP246609	1.3ha (comprising 1.3ha OC RE - Cat C ESA
PPL24	Compressor Station SS6 access	Within Category C ESA (OC RE 11.3.25) and within Cat C ESA (OC RE 11.3.25) associated protection Zone	Middle Creek access crossing on Lot 6 SP246609	0.1ha

- Var 2 Records demonstrating compliance with (PPSCA 3) and (Var 1) must be kept.

Schedule B – Protecting environmental values

- Var 3 Pipeline construction must be in accordance, to the greatest practicable extent, with the relevant section of *Australian Pipelines and Gas Association (APGA): Onshore Pipelines Code of Environmental Practice (2017)* and/or AS 2885.1:2012.
- PPSCB 2 Petroleum activities must not cause environmental nuisance from dust, odour, light, smoke or noise at a sensitive place, other than where an alternative arrangement is in place.
- Var 4 Petroleum activities that require earthworks, vegetation clearing and/or placing fill, other than that associated with the construction and/or operation and maintenance of linear infrastructure, are not permitted in or within:
- 200 metres of any wetland, lake or spring; or
 - 100 metres of the outer bank of any other watercourse.
- Var 5 Contaminants must not be directly or indirectly released to land or air except for those releases authorised by conditions (PPSCC 9), (PPSCC 13), (PPSCC 14), (PPSCC 15), (Var 12), (PPSCE 4), (PPSCE 8), (PPSCE 11), (PPSCE 12) and (PPSCF 3), (Var 7), (Var 8) and (Var9).
- Var 6 Petroleum operation and maintenance activities may be undertaken within a designated precinct of a Strategic Environmental Area, provided activities are restricted to the approved easement and area previously subject to disturbance during construction.
- PPSCB 5 Petroleum activities must:
- firstly, avoid, then minimise, then mitigate any negative impacts on areas of vegetation or other areas of ecological value
 - minimise disturbance to land that may otherwise result in land degradation
 - minimise isolation, fragmentation or dissection of tracts of vegetation that would lead to a reduction in the current level of ecosystem functioning or ecological connectivity
 - minimise clearing of mature or hollow bearing trees.
- PPSCB 6 Where significant disturbance to land is to occur, records demonstrating compliance with standard condition (PPSCB 5) must be kept.

Fauna Management

- PPSCE 7 Measures to prevent fauna entrapment must be implemented during the construction of pipelines in pipe sections and pipeline trenches and operation of dams.

Protecting Air Values

- Var 7 Fuel burning or combustion facility must not be operated unless it is listed in **Protecting air values, Table Air 1 Authorised point sources**.

Protecting air values, Table Air 1 Authorised point Source

Release Point Reference	Equipment Description	Min Release	Min Velocity (m/s)	Contaminant Release	Max Release limit

		Height (m)			
Compressor Station 4					
A1-SC1	Natural Gas Engine	10.9	22.8	NOx	330 mg/Nm ³ @ 15% O ₂ (dry) and 5.4 grams/second
A2-SC2	Natural Gas	10.9	22.8	NOx	330 mg/Nm ³ 15% O ₂ (dry) and 5.4 grams/second
A3	Diesel Engine (emergency generator)	2.5	Not specified	Not Specified	Not Specified
A4-GEA	Natural Gas Engine	4.2	24	NOx	980 mg/Nm ³ @ 5% O ₂ (dry) and 0.3 grams/second
Wallumbilla Compressor Station					
SP6	Natural Gas Engine	10.9	31 (full load) 16.0 (part load)	NOx	840 mg/Nm ³ @ 3% O ₂ (dry) and 0.93 grams/second
SP7	Natural Gas Engine	10.9	31 (full load) 16.0 (part load)	NOx	840 mg/Nm ³ @ 3% O ₂ (dry) and 0.93 grams/second
SP8	Natural Gas Engine	10.9	31 (full load) 16.0 (part load)	NOx	840 mg/Nm ³ @ 3% O ₂ (dry) and 0.93 grams/second
SP9	Natural Gas Engine	6.9	28.9 (full load) 15.0 (part load)	NOx	265 mg/Nm ³ 5% O ₂ (dry) and 0.69 grams/second
SP10	Natural Gas Engine	6.9	28.9 (full load) 15.0 (part load)	NOx	265 mg/Nm ³ 5% O ₂ (dry) and 0.69 grams/second
SP11	Natural Gas Engine	6.9	28.9 (full load) 15.0 (part load)	NOx	265 mg/Nm ³ 5% O ₂ (dry) and 0.69 grams/second
SP12	Diesel Engine (emergency generator)	2.5	Not specified	Not specified	Not specified

SP13	Natural gas fired water bath heater	7.0	Not specified	Not specified	Not specified
SP14	Natural gas fired water bath heater	7.0	Not specified	Not specified	Not specified
SP15	Gas Engine Alternator	4.2	20.4 (full load) 10.0 (part load)	NOx	1002 mg/Nm ³ @ 15% O ₂ (dry) and 0.45 g/s (full load)
SP16	Gas Engine Alternator	4.2	20.4 (full load) 10.0 (part load)	NOx	1002 mg/Nm ³ @ 15% O ₂ (dry) and 0.45 g/s (full load)
SP19	Natural Gas Engine	14	35 (full load) 25 (part load)	NOx	80 mg/Nm ³ @ 15% O ₂ (dry) and 2.46 g/s
SP20	Natural Gas Engine	14	35 (full load) 25 (part load)	NOx	80 mg/Nm ³ @ 15% O ₂ (dry) and 2.46 g/s
SP21	Natural Gas Engine	14	35 (full load) 25 (part load)	NOx	80 mg/Nm ³ @ 15% O ₂ (dry) and 2.46 g/s
SS2 Compressor Station					
SS2	Natural Gas Engine	17.25	13.5 (full load) 10.69 (part load)	NOx	52mg/Nm ³ @ 15% O ₂ (dry) and 2.0g/s
SS2	Power Generator (4 stacks)	3	28.8	NOx	18mg/Nm ³ @ 15% O ₂ (dry) and 0.04g/s
	Diesel Engine (emergency generator)	2.5	Not specified	Not specified	Not specified
SS6 Compressor Station					
SS6	Natural Gas Engine	17.25	13.5 (full load) 10.69 (part load)	NOx	52mg/Nm ³ @ 15% O ₂ (dry) and 2.0g/s
SS6	Power Generator (4 stacks)	3	28.8	NOx	18mg/Nm ³ @ 15% O ₂ (dry) and 0.04g/s
	Diesel Engine	2.5	Not specified	Not specified	Not specified

	(emergency generator)				
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Note 1: The above NOx limits are applicable during all times except start-up, shut down and calibration of emission monitoring devices. The start-up is allowed up to 30 mins.

Note 2: part load is assumed to be operation at 50% capacity and full load is assumed to be operations at 100% capacity.

Note 3: fuel burning associated with temporary power generation to support a worker accommodation is authorised.

- Var 8 If a fuel burning or combustion facility is listed in **Protecting air values, Table Air 1 Authorised point sources**, the fuel burning or combustion facility must be operated so that the releases to air do not exceed the limits specified in **Protecting air values, Table Air 1 Authorised point sources** at the specified release point reference.
- Var 9 Point source air monitoring for each fuel burning or combustion facility listed in **Protecting air values, Table Air 1 Authorised point sources** must:
- Be undertaken once:
 - in the first three months after each facility is commissioned and then;
 - every year thereafter;
 - be carried out when the facility the subject of the sampling is operating under maximum operating conditions for the annual period;
 - demonstrate compliance with the limits listed in **Protecting air values, Table Air 1 Authorised point sources** at each release point reference.

Protecting Land

- Var 10 Petroleum activities involving significant disturbance to land cannot commence until the development of written contingency procedures for emergency environmental incidents which include, but are not necessarily limited to:
- a clear definition of what constitutes an environmental emergency incident or near miss for the petroleum activity.
 - consideration of the risks caused by the petroleum activity including the impact of flooding and other natural events on the petroleum activity.
 - response procedures to be implemented to prevent or minimise the risks of environmental harm occurring.
 - the practices and procedures to be employed to restore the environment or mitigate any environmental harm caused.
 - procedures to investigate causes and impacts including impact monitoring programs for releases to waters and/or land.
 - training of staff to enable them to effectively respond.
 - procedures to notify the administering authority, local government and any potentially impacted landholder.
- PPSCC 8 Measures must be implemented and maintained to minimise stormwater entry onto significantly disturbed land.

- PPSCC 9 Sediment and erosion control measures to prevent soil loss and deposition beyond significantly disturbed land must be implemented and maintained.
- Var 11 The measures required by conditions (PPSCC 8) and (PPSCC 9) must be in accordance, to the greatest practicable extent, with the International Erosion Control Association (IECA) *Best Practice Erosion and Sediment Control (BPESC) document* and/or the *Australian Pipelines and Gas Association (APGA): Onshore Pipelines Code of Environmental Practice (2017)*.
- PPSCE 8 Trench water, hydrostatic testing water or water from low point, may be released to land provided that it:
- a) can be demonstrated to meet the acceptable standards for release to land;
 - b) is released in a way that does not cause visible scouring or erosion.
- PPSCE 9 If hydrostatic testing water quality does not or cannot be treated to meet the requirements of standard condition (PPSCE 8), it must be managed in accordance with standard conditions (PPSCC 13) or (PPSCC 14).

Treated Sewage Effluent

- Var 12 The treated effluent from the sewage treatment plants must:
- a) only be released to land at designated irrigation areas as determined in written procedures in compliance with the limits stated in EA – **Table 1 Contaminant release limits to land**.

Table 1 Contaminant Release Limits to Land

Quality Characteristics	Units	Release Limits
Biological Oxygen Demand	mg/L	20 (maximum)
pH	scale	6.0 – 8.5 (range)
Total Suspended Solids	mg/L	30 (maximum)
E. Coli (coliform forming units/100ml)	Colony forming units/100mL	<1000 (maximum)
Total Nitrogen	mg/L	35 (maximum)
Total Phosphorus	mg/L	10 (maximum)
Dissolved Oxygen	mg/L	2 (minimum)

- b) Notwithstanding the quality characteristics limits specified in **Table 1 – Contaminant release limits to land**, release of treated sewage effluent must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.
- c) The irrigation of treated effluent must be carried out in a manner such that:
 - i. Vegetation is not damaged;
 - ii. Soil erosion and soil structure damage is avoided;

- iii. There is minimal surface ponding of effluent;
 - iv. Percolation of effluent beyond the plant root zone is minimised;
 - v. The capacity of the land to assimilate nitrogen, phosphorous, salts, organic matter as measured by oxygen demand and water is not exceeded; and
 - vi. The quality of groundwater is not adversely affected.
- d) Notices must be prominently displayed on any treated effluent irrigation area warning the public that the area is irrigated with treated effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition. Public access to any sewage effluent land disposal area must be denied during the release of contaminants to the land and until the irrigation/disposal area has dried.
- e) When conditions prevent the irrigation of treated effluent to land (such as during or following rain events), the contaminants must be directed to a wet weather storage or alternative measures must be taken to store/lawfully dispose of effluent (such as tanking off site to another treatment plant or sewer). A record must be kept of any removal or discharge off site, including destination, transporter, dates and volumes.
- f) Monitoring must be undertaken at the frequency specified under the written procedures required by condition Var 13 and records kept of contaminant releases to land for the parameters specified in **Schedule G – Table 1 – Contaminant release limits to land**. All determinations of the quality of contaminants released must be:
- i. made in accordance with methods prescribed in the latest edition of the Department of Environment and Science Water Quality Sampling Manual; and
 - ii. carried out on samples that are representative of the discharge.

Var 13

The activity (sewage treatment) must be undertaken in accordance with written procedures that:

- a) identify potential risks to the environment from the activity during routine operations, closure and an emergency
- b) establish and maintain control measures that minimise the potential for environmental harm
- c) ensure plant, equipment and measures are maintained in a proper and effective condition
- d) ensure plant, equipment and measures are operated in a proper and effective manner
- e) ensure that staff are trained in and aware of their obligations under the Environmental Protection Act 1994
- f) ensure that reviews of environmental performance are undertaken at least annually.

Chemical Storage

- PPSCC 11 Chemicals and fuels on the relevant tenures must be stored in, or serviced by, an effective containment system that meets Australian Standards, where such a standard is relevant.
- PPSCC 12 Measures must be implemented so that waste is managed in accordance with the waste and resource management hierarchy and the waste and resource management principles.
- PPSCC 13 For waste fluids that can be stored in a container that is other than a low hazard dam, the container must either be an above ground container or a structure which contains the wetting front.

Protecting Acoustic Values

Var 14 Notwithstanding condition (PPSCB 2), emission of noise from the petroleum activity(ies) at levels less than those specified in Protecting acoustic values, **Noise Table 1—Noise nuisance limits** are not considered to be environmental nuisance.

Table 7 : EA Table – Protecting Acoustic Values, Noise Nuisance Limits

Time Period	Metric	Short Term Noise Event (dBA)	Medium Term Noise Event (dBA)	Long Term Noise Event (dBA)
7:00am—6:00pm	LAeq,adj,15 min	45	43	40
6:00pm—10:00pm	LAeq,adj,15 min	40	38	35
10:00pm—6:00am	Max LpA, 15 min	55	55	55
6:00am—7:00am	LAeq,adj,15 min	40	38	35

1. The noise limits in Table 1 have been set based on the following deemed background noise levels (LABG):

7:00am—6:00 pm: 35 dBA

6:00pm—10:00 pm: 30 dBA

10:00pm—6:00 am: 25 dBA

6:00am—7:00 am: 30 dBA

Var 15 If the noise subject to a valid complaint is tonal or impulsive, the adjustments detailed in Protecting Acoustic Values, **Noise Table 2—Adjustments to be added to noise levels at sensitive receptors** are to be added to the measured noise level(s) to derive LAeq, adj, 15 min.

Table 8 : EA Table – Protecting Acoustic Values, Adjustments to be added to Noise Levels at Sensitive Receptors

Noise Characteristic	Adjustment to Noise
Tonal characteristic is just audible	+ 2 dBA
Tonal characteristic is clearly audible	+ 5 dBA

Impulsive characteristic is detectable	+ 2 to + 5 dBA
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- Var 16 Notwithstanding condition (Var 14), emission of any low frequency noise must not exceed either (Var 16(a)) and (Var 16(b)), or (Var 16(c)) and (Var 16(d)) in the event of a valid complaint about low frequency noise being made to the administering authority:
- a) 60 dB(C) measured outside the sensitive receptor; and
 - b) the difference between the external A-weighted and C-weighted noise levels is no greater than 20 dB; or
 - c) 50 dB(Z) measured inside the sensitive receptor; and
 - d) the difference between the internal A-weighted and Z-weighted (Max LpZ, 15 min) noise levels is no greater than 15 dB

Blasting

- PPSCE 10 A Blast Management Plan must be developed for each blasting activity in accordance with Australian Standard 2187.
- PPSCE 11 Blasting operations must be designed to not exceed an air blast overpressure level of 120dB (linear peak) at any time, when measured at or extrapolated to any sensitive place.
- PPSCE 12 Blasting operations must be designed to not exceed a ground-borne vibration peak particle velocity of 10mm/s at any time, when measured at or extrapolated to any sensitive place.

Waste

- PPSCC 14 Waste, including waste fluids, must be transported off-site for lawful re-use, remediation, recycling or disposal unless the waste is specifically authorised by standard conditions (PPSCC 15), (Var 12), (PPSCE 8) and (PPSCF 3) to be disposed of or used on-site.
- PPSCC 15 Green waste may be used on-site for rehabilitation and/or sediment and erosion control purposes.

Protecting Water Values

- Var 17 The holder of this authority must ensure that the petroleum activities do not result in the release of contaminants to waters unless specifically authorised under this authority.
- PPSCE 3 The construction and/or maintenance for linear infrastructure that will result in significant disturbance to a wetland, lake, spring or watercourse must be conducted in accordance with the following order of preference. Conducting works:
1. firstly, in times where there is no water present.
 2. secondly, in times of no flow
 3. thirdly, in times of flow, but in a way that does not impede low flow.
- PPSCE 4 Petroleum activities must not result in water turbidity increases of more than 10% in high ecological value waters outside contained construction or maintenance areas.

- PPSCE5 The construction and/or maintenance for linear infrastructure that will result in significant disturbance to a lake, spring or watercourse must be designed and undertaken by a suitably qualified person in accordance with the guideline *Activities in a watercourse, lake or spring associated with a resource activity or mining operations*.
- PPSCE 6 The construction and/or maintenance for linear infrastructure that will result in significant disturbance to a wetland must be designed and undertaken by a suitably qualified person taking into consideration sections 5 and 6 of the guideline *Activities in a watercourse, lake or spring associated with a resource activity or mining operations*.

Structures that are dams or levees

- PPSCE 13 The hazard category of any dam or levee to be used in carrying out petroleum activities must be assessed in accordance with the Queensland Government *Manual for Assessing Hazard Categories and Hydraulic Performance of Dams*.
- PPSCE 14 Low hazard dams must be:
- (a) constructed, operated and maintained in accordance with accepted engineering standards currently appropriate for the purpose for which the dam is intended to be used; and
 - (b) designed with a floor and sides made of material that will contain the wetting front and any entrained contaminants within the bounds of the containment system during both its operational life and including any period of decommissioning and rehabilitation.
- PPSCE 15 All low hazard dams must be monitored for early signs of loss of structural or hydraulic integrity as specified in the initial hazard assessment.
- PPSCE 16 When no longer required all low hazard dams must be decommissioned to no longer accept inflow from the petroleum activities and be either:
- a) rehabilitated; or
 - b) agreed to in writing by the administering authority and the landholder to remain in situ following the cessation of the petroleum activity(ies) associated with the dam, with the contained water of a quality suitable for the intended ongoing uses(s) by that landholder.

Schedule C - General Conditions

Documentation

- PPSCC 1 All plans, procedures and reports must:
- a) be certified by a suitably qualified person; and
 - b) be kept on record for a minimum of 5 years.
- PPSCC 2 All plans and procedures required to be developed must be implemented.

Plant and Equipment

- PPSCC 3 All plant and equipment reasonably necessary to ensure compliance with the standard conditions must be installed.

- PPSCC 4 All plant and equipment must be maintained and operated in their proper and effective condition.
- PPSCC 5 All measures reasonably necessary to ensure compliance with the standard conditions must be implemented.

Financial Assurance

- PPSCB 1 Petroleum activities that cause significant disturbance to land must not be carried out until financial assurance has been given to the administering authority as security for compliance with the environmental authority and any costs or expenses, or likely costs or expenses, mentioned in section 298 of the *Environmental Protection Act 1994*.
- PPSCC 17 Prior to any changes in petroleum activities which would result in an increase to the maximum disturbance since the last financial assurance calculation was submitted, the holder of the environmental authority must submit, and the administering authority must have approved, an application to amend the financial assurance.

Post construction conditions including operations, maintenance and decommissioning

- Var 18 Pipeline operation and maintenance must be in accordance, to the greatest practicable extent, with the relevant section of the Australian Pipelines and Gas Association (APGA): *Onshore Pipelines Code of Environmental Practice (2017)* and/or AS 2885.3:2012.
- PPSCF 2 Written procedures must be developed to ensure operations and maintenance of the pipeline complies with the conditions of the environmental authority.
- PPSCF 3 Flush water may be released to land provided that it meets the requirements of standard condition (PPSCE 8).
- PPSCF 4 After decommissioning, all significantly disturbed land caused by the carrying out of the petroleum activity(ies) must be rehabilitated to meet the following final acceptance criteria:
- a) any contaminated land (e.g. contaminated soils) is remediated and rehabilitated
 - b) rehabilitation is undertaken in a manner such that any actual or potential acid sulfate soils on the area of significant disturbance are treated to prevent or minimise environmental harm in accordance with the *Instructions for the treatment and management of acid sulfate soils (2001)*
 - c) for land that is not being cultivated by the landholder:
 - i. groundcover, that is not a declared pest species is established and self-sustaining
 - ii. vegetation of similar species richness and species diversity to pre-selected analogue sites is established and self-sustaining
 - d) for land that is to be cultivated by the landholder, cover crop is revegetated, unless the landholder will be preparing the site for cropping within 3 months of petroleum activities being completed.
- PPSCF 5 Monitoring of performance indicators must be carried out on rehabilitation activities until final acceptance criteria in standard condition (PPSCF 4) have been met for the rehabilitated area.

- PPSCF6 Significantly disturbed areas that are no longer required for the on-going petroleum activities, must be rehabilitated within 12 months (unless an exceptional circumstance in the area to be rehabilitated (e.g. a flood event) prevents this timeframe being met) to meet the following acceptance criteria and be maintained until the final acceptance criteria in condition PPSCF 4 is met:
- a) contaminated land resulting from petroleum activities is remediated and rehabilitated
 - b) the areas are:
 - (i) non-polluting
 - (ii) a stable landform
 - (iii) re-profiled to contours consistent with the surrounding landform
 - c) surface drainage lines are re-established
 - d) top soil is reinstated; and
 - e) either:
 - (i) groundcover, that is not a declared pest species, is growing; or
 - (ii) an alternative soil stabilisation methodology that achieves effective stabilisation is implemented and maintained.

Schedule D – Pipeline Planning

Site planning

- Var 19 Pipeline planning must be in accordance, to the greatest practicable extent, with the relevant section of the Australian Pipelines and Gas Association (APGA): *Onshore Pipelines Code of Environmental Practice (2017)* and/or AS 2885.1:2012.

Planning for land disturbance

- PPSCD 2 Notwithstanding condition (Var 19), pipeline construction corridors must:
- a) be minimised in width to the greatest practicable extent
 - b) ROW not to exceed 30m in width
 - c) not include turn around and work areas associated with pipeline construction adjacent the ROW that exceed 50m in width
 - d) be preferentially located alongside existing linear infrastructure.

Confirming biodiversity values

- Var 20 Prior to undertaking activities that result in significant disturbance to land in areas of native vegetation, confirmation of on-the-ground biodiversity values of the native vegetation communities at that location must be undertaken by a suitably qualified person.
- Var 21 A suitably qualified person must develop and certify a methodology so that condition (Var 20) can be complied with and which is appropriate to confirm on-the ground biodiversity values.
- Var 22 For conditions, where mapped biodiversity values differ from those confirmed under condition Var 20, petroleum activities may proceed in accordance with the conditions of the environmental authority based on the confirmed on ground biodiversity status.

- Var 23 The location of the petroleum activities involving significance disturbance must be selected in accordance with the following site planning principles, :
- a) maximise the use of areas of pre-existing disturbance, subject to other constraints;
 - b) in order of preference, avoid, minimise or mitigate any impacts, including cumulative impacts, on areas of native vegetation or other areas of ecological value
 - c) minimise disturbance to land that may result in land degradation
 - d) in order of preference, avoid then minimise isolation, fragmentation, edge effects or dissection of tracts of native vegetation; and
 - e) in order of preference, avoid then minimise clearing of native mature trees.

Pipeline reinstatement and revegetation

- PPSCE 17 Pipeline trenches must be backfilled and topsoils reinstated within 3 months after pipe laying.
- PPSCE 18 Reinstatement and revegetation of the pipeline right of way must commence within 6 months after completion of petroleum activities for the purpose of pipeline construction.
- PPSCE 19 Backfilled, reinstated and revegetated pipeline trenches and right of way must be:
- a) a stable landform
 - b) re-profiled to a level consistent with surrounding soils
 - c) re-profiled to original contours and established drainage lines
 - d) vegetated with groundcover which is not a declared pest species, and which is established and self-sustaining.

Schedule E - Monitoring and Reporting

- PPSCG 1 All monitoring must be undertaken by a suitably qualified person.
- PPSCG 2 If requested by the administering authority in relation to investigating a valid complaint, monitoring must be undertaken within 10 business days.
- PPSCG 3 All laboratory analyses and tests must be undertaken by a laboratory that has NATA accreditation for such analyses and tests, except as otherwise authorised in writing by the administering authority.
- PPSCG 4 Notwithstanding standard condition (PPSCG 3), where there are no NATA accredited laboratories available to test for a specific analyte or substance, then duplicate samples must be sent to separate laboratories for independent testing or evaluation.

Sampling

- PPSCG 5 The methods of surface water sampling must comply with that set out in the Queensland Government's *Monitoring and Sampling Manual 2009 – Environmental Protection (Water) Policy 2009*.
- PPSCG 6 The methods of groundwater sampling must comply with the Australian Government's *Groundwater Sampling and Analysis – A Field Guide* (2009:27 GeoCat #6890.1).

- PPSCG 7 Noise must be measured in accordance with the prescribed standards in the *Environmental Protection Regulation 2008*.
- PPSCG 8 The method of measurement of ambient air quality or point source contaminant releases to air must comply with the *Queensland Air Quality Sampling Manual* and/or Australian Standard 4323.1:1995 *Stationary source emissions method 1: Selection of sampling positions*, whichever is appropriate for the relevant measurement.
- Var 24 In addition to the requirements under Chapter 7, Part 1, Division 2 of the Environmental Protection Act 1994, the administering authority must be notified through the Pollution Hotline and in writing, as soon as possible, but within 48 hours of becoming aware of any of the following events:
- a) any unauthorised significant disturbance to land;
 - b) unauthorised releases of any volume of prescribed contaminants to waters;
 - c) unauthorised releases of volumes of contaminants, in any mixture, to land greater than:
 - i. 200 L of hydrocarbons; or
 - ii. 5 000 L of raw sewage; or
 - iii. 10 000 L of treated sewage effluent.
 - d) monitoring results where two out of any five consecutive samples do not comply with the relevant limits in the environmental authority.
- PPSCG 10 The annual return must include an Update Report detailing activities during the annual return period, demonstrating:
- a) significant disturbance during the period;
 - b) rehabilitation undertaken;
 - c) a list of all valid complaints relating to environmental issues made including the date, source, reason for the complaint and a description of investigations undertaken in resolving the complaint;
 - d) the results of all monitoring undertaken.

Definitions

Key terms and/or phrases bolded in this environmental authority are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Term	Definition
acceptable standards for release to land	is defined as: (a) electrical conductivity (EC) not exceeding 3000µS/cm (b) sodium adsorption ratio (SAR) not exceeding 8 (c) and for hydrostatic testing water, water from low point drains and flush water, total heavy metals for each element listed meets the respective short term trigger value in Table 4.2.6. – Heavy metals and metalloids in Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC) 2000.
accepted engineering standards	in relation to dams, means those standards of design, construction, operation and maintenance that are broadly accepted within the profession of engineering as being good practice for the purpose and application being considered. In the case of dams, the most relevant documents would be publications of the <i>Australian National Committee on Large Dams</i> (ANCOLD), guidelines published by Queensland government departments and relevant Australian and New Zealand Standards.
acid sulfate soil(s)	means a soil or soil horizon which contains sulfides or an acid soil horizon affected by oxidation of sulfides.
administering authority	has the meaning in Schedule 4 of the <i>Environmental Protection Act 1994</i> .
alternative arrangement	means a written agreement about the way in which a particular nuisance impact will be dealt with at a sensitive place, and may include an agreed period of time for which the arrangement is in place. An alternative arrangement may include, but is not limited to, a range of nuisance abatement measures to be installed at the sensitive place, or provision of alternative accommodation for the duration of the relevant nuisance impact.
analogue site(s)	means an area of land which contains values and characteristics representative of an area to be rehabilitated prior to disturbance. Such values must encompass land use, topographic, soil, vegetation and other ecological characteristics. Analogue sites can be the pre-disturbed site of interest where significant surveying effort has been undertaken to establish benchmark parameters.
analyte(s)	means a chemical parameter determined by either physical measurement in the field or by laboratory analysis.
annual return period	means the most current 12-month period between 2 anniversary dates.
aquifer	means an identifiable stratigraphic formation that has the potential to produce useful flows of water.

Term	Definition
areas of pre-existing disturbance	means areas where environmental values have been negatively impacted as a result of anthropogenic activity and these impacts are still evident. Areas of pre-disturbance may include areas where legal clearing, logging, timber harvesting, or grazing activities have previously occurred, where high densities of weed or pest species are present which have inhibited re-colonisation of native regrowth, or where there is existing infrastructure (regardless of whether the infrastructure is associated with the authorised petroleum activities). The term 'areas of pre-disturbance' does not include areas that have been impacted by wildfire/s, controlled burning, flood or natural vegetation die-back.
Australian Standard 2187	means Australian Standard 2187.0:1998 Explosives—Storage, transport and use, Part 0, Australian Standard 2187.1:1998 Explosives—Storage, transport and use Part 1 and Australian Standard 2187.2:2006 Explosives—Storage and use, Part 2 or any updated versions that becomes available from time to time.
Australian Standard 2885	means Australian Standard 2885.0:2008 Pipelines – Gas and Liquid Petroleum General Requirements, Australian Standard 2885.0-2008/Amdt 1-2012 Pipelines - Gas and Liquid Petroleum General Requirements, Australian Standard 2885.1:2012 Pipelines – Gas and Liquid Petroleum Design and Construction and Australian Standard 2885.3:2012 Pipelines – Gas and Liquid Petroleum Operation and Maintenance, or any updated versions that become available from time to time.
bed	of any waters, has the meaning in Schedule 12 Part 2 of the Environmental Protection Regulation 2008.
biodiversity value(s)	for the purpose of this environmental authority, means environmentally sensitive areas, prescribed environmental matters and wetlands.
business day	has the meaning in section 36 of the <i>Acts Interpretation Act 1954</i> .
Category A ESA	means any area listed in Schedule 12, Section 1 of the Environmental Protection Regulation 2008.
Category B ESA	means any area listed in Schedule 12, Section 2 of the Environmental Protection Regulation 2008.

Term	Definition
Category C ESA	means any of the following areas: • nature refuges as defined in the conservation agreement for that refuge under the <i>Nature Conservation Act 1992</i> • State forests or timber reserves as defined under the <i>Forestry Act 1959</i> • resources reserves under the <i>Nature Conservation Act 1992</i> • an area validated as 'essential habitat' or 'essential regrowth habitat' from ground-truthing surveys in accordance with the <i>Vegetation Management Act 1999</i> for a species of wildlife listed as endangered, vulnerable, rare or near threatened under the <i>Nature Conservation Act 1992</i> • 'of concern regional ecosystems' identified in the database called 'RE description database' containing regional ecosystem numbers and descriptions • threshold regional ecosystems as defined and listed in Appendix 6 of the <i>Queensland Biodiversity Offsets Policy</i> • critically limited regional ecosystems as defined and listed in Appendix 5 of the <i>Queensland Biodiversity Offsets Policy</i>.
certified	in relation to any matter other than a design plan, 'as constructed' drawings or an annual report regarding dams means, a Statutory Declaration by a suitably qualified person or suitably qualified third party accompanying the written document stating: • the person's qualifications and experience relevant to the function • that the person has not knowingly included false, misleading or incomplete information in the document • that the person has not knowingly failed to reveal any relevant information or document to the administering authority • that the document addresses the relevant matters for the function and is factually correct; and • that the opinions expressed in the document are honestly and reasonably held.
clearing	has the meaning in the dictionary of the <i>Vegetation Management Act 2000</i> .
cultivated	means used for cropping or gardening.
coastal waters	has the meaning in section 440ZH of the <i>Environmental Protection Act 1994</i> and means the coastal waters of the state, and includes other waters within the limits of the state that are subject to the ebb and flow of the tide.

Term	Definition
dam(s)	means a land-based structure or a void that is designed to contain, divert or control flowable substances, and includes any substances that are thereby contained, diverted or controlled by that land-based structure or void and associated works. A dam does not mean a fabricated or manufactured tank or container, designed and constructed to an Australian Standard that deals with strength and structural integrity of that tank or container.
daily peak design capacity	for sewage treatment works, has the meaning in Schedule 2, section 63(4) of the Environmental Protection Regulation 2008 as the higher equivalent person (EP) for the works calculated using each of the formulae found in the definition for EP.
declared pest species	has the meaning in the Land Protection (Pest and Stock Route Management) Regulation 2003 and is a live animal or plant declared to be a declared pest under section 36 (Declaring Pests by Regulation) or section 37(2) (Declaring Pest under Emergency Pest Notice) of that Act and includes reproductive material of the animal or plant.
decommissioning	in relation to pipelines means the actions undertaken in accordance with the requirements of Australian Standard 2885, as amended from time to time, to prepare the pipeline and peripheral facilities for pending suspension or abandonment.
designated precinct	has the meaning in Part 5 section 15(3) of the Regional Planning Interests Regulation 2014: • for a strategic environmental area mentioned in section 4(1)—the area identified as a designated precinct on the strategic environmental area map for the strategic environmental area; or • for a strategic environmental area is shown on a map in a regional plan—the area identified on the map as a designated precinct for the strategic environmental area.
documents	has the meaning in section 36 of the <i>Acts Interpretation Act 1954</i> .
ecological connectivity	is a measure of ecological condition and means the flow or connection of organisms and ecological processes across landscapes at multiple scales. Ecological connectivity has a positive relationship with landscape connectivity and habitat connectivity and effects vary between species. It includes connectivity by stepping stone or contiguous bioregional/local corridor networks.
ecosystem functioning	means the interactions between and within living and nonliving components of an ecosystem and generally correlates with the size, shape and location of the vegetation community.
eligibility criteria	for an environmentally relevant activity, has the meaning in section 112 of the <i>Environmental Protection Act 1994</i> .
environmental attribute	has the meaning in section 11(2) of the <i>Regional Planning Interests Act 2014</i> .

Term	Definition
environmental harm	has the meaning in section 14 of the <i>Environmental Protection Act 1994</i> .
environmental value(s)	has the meaning in section 9 of the <i>Environmental Protection Act 1994</i> .
environmental nuisance	has the meaning in section 15 of the <i>Environmental Protection Act 1994</i> .
equivalent person or EP	has the meaning under section 3 of the Planning Guidelines For Water Supply and Sewerage, 2005, published by the Queensland Government. It is calculated in accordance with Schedule 2, Section 63(4) of the Environmental Protection Regulation 2008 where: • EP = $V/200$ where V is the volume, in litres, of the average dry weather flow of sewage that can be treated at the works in a day; or • EP = $M/2.5$ where M is the mass, in grams, of phosphorus in the influent that the works are designed to treat as the inlet load in a day.
environmentally relevant activity or ERA	has the meaning in section 18 of the <i>Environmental Protection Act 1994</i> .
financial assurance	for an environmental authority, means financial assurance given for the authority under Chapter 5, part 12, division 2 of the <i>Environmental Protection Act 1994</i> .
green waste	means waste that is grass cuttings, trees, bushes, shrubs, material lopped from trees, untreated timber or other waste that is similar in nature but does not include declared pest species.
greywater	means wastewater generated from domestic activities such as laundry, dishwashing, and bathing. Greywater does not include sewage.
hazard category	means a category, either low, significant or high, into which a dam is assessed as a result of the application of tables and other criteria in Manual for Assessing Hazard Categories and Hydraulic Performance of Dams, published by the Queensland Government, as amended from time to time.
high ecological value waters	means Queensland waters that are scheduled waters under the Environmental Protection (Water) Policy 2009 as high value ecological waters.
lake	means: • a lagoon, swamp or other natural collection of water, whether permanent or intermittent; and • the bed and banks and any other element confining or containing the water.
land degradation	has the meaning in the <i>Vegetation management Act 1999</i> and means the following: • soil erosion • rising water tables • the expression of salinity • mass movement by gravity of soil or rock

Term	Definition
	- stream bank instability - a process that results in declining water quality.
levee	means an embankment that only provides for the containment and diversion of stormwater or flood flows from a contributing catchment, or containment and diversion of flowable materials resulting from releases from other works, during the progress of those stormwater or flood flows or those releases; and does not store any significant volume of water or flowable substances at any other times.
linear infrastructure	means powerlines, pipelines, roads and access tracks.
low hazard dam	means any dam that is not classified as high or significant as assessed using the <i>Manual for Assessing Hazard Categories and Hydraulic Performance of Dams</i> , published by the Queensland Government and which contains contaminants in concentrations which exceed or will exceed, during the dam's operational life, the values or range shown in Table 3 of the manual.
low impact petroleum activities	means petroleum activities which do not result in the clearing of native vegetation, cause disruption to soil profiles through earthworks or excavation or result in significant disturbance to land which cannot be rehabilitated immediately using hand tools after the activity is completed. Examples of such activities include but are not necessarily limited to soil surveys (excluding test pits), topographic surveys, cadastral surveys and ecological surveys, may include installation of monitoring equipment provided that it is within the meaning of low impact and traversing land by car or foot via existing access tracks or routes or in such a way that does not result in permanent damage to vegetation.
month	has the meaning in s36 of the <i>Acts Interpretation Act 1954</i> .
NATA accreditation	means accreditation by the National Association of Testing Authorities Australia.
non-linear infrastructure	means infrastructure that is other than a powerline, a pipeline, a road, an access track and includes only the following: - workers camps - maintenance facilities - no-release sewage treatment plants - laydown areas - structures (i.e. dams or levees) - tanks - sediment and erosion control measures - above ground containers and chemical / fuel storages

Term	Definition
	- water pumps and generators - stockpiles.
outer bank	has the meaning in section 5A of the <i>Water Act 2000</i> .
performance indicator(s)	means a quantitative measure against which success can be assessed and audited in a consistent, objective and repeatable manner.
primary protection zone	means an area within 200 metres from the boundary of any Category A, B or C environmentally sensitive area.
regulated dam(s)	means any dam in the significant or high hazard category as assessed using the <i>Manual for Assessing Hazard Categories and Hydraulic Performance of Dams</i> , published by the Queensland Government, as amended from time to time.
rehabilitation or rehabilitated	means the process of reshaping and revegetating land to restore it to a stable landform and in accordance with acceptance criteria and, where relevant, includes remediation of contaminated land. For the purposes of pipeline rehabilitation, rehabilitation includes reinstatement, revegetation and restoration.
reinstated or reinstatement	means the process of bulk earth works and structural replacement of pre-existing conditions of a site (i.e. soil surface topography, watercourses, culverts, fences and gates and other landscape(d) features) and is detailed in the <i>Australian Pipelines and Gas Association (APGA): Onshore Pipelines Code of Environmental Practice (2017)</i> .
release, releases or released	has the meaning in Schedule 4 of the <i>Environmental Protection Act 1994</i> .
restoration	means the replacement of structural habitat complexity, ecosystem processes, services and function from a disturbed or degraded site to that of a pre-determined or analogue state. For the purposes of pipelines, restoration applies to final rehabilitation after pipeline decommissioning.
revegetation or revegetating or revegetate	means to actively re-establish vegetation through seeding or planting techniques in accordance with site specific management plans.
right of way	means the linear construction footprint required to install pipelines.
secondary protection zone	in relation to a Category A or Category B environmentally sensitive area means an area within 100 metres from the boundary of the primary protection zone.
secondary treated class B standards	means treated sewage effluent or greywater which meets the following standards: - total phosphorous as P, maximum 20mg/L - total nitrogen as N, maximum 30mg/L 5-day biochemical oxygen demand (inhibited) (e.g. release pipe from sewage treatment plant), maximum 20mg/L

Term	Definition
	- suspended solids, maximum 30mg/L - pH, range 6.0 to 8.5 - e-coli, 80th percentile based on at least 5 samples with not less than 30 minutes between samples, 1000cfu per 100mL, maximum 10000cfu per 100mL.
secondary treated class C standards	means treated sewage effluent or greywater which meets the following standards: - total Phosphorous as P, maximum 20mg/L - total Nitrogen as N, maximum 30mg/L 5-day Biochemical oxygen demand (inhibited) (e.g. Release pipe from sewage treatment plant), maximum 20mg/L - suspended solids, maximum 30mg/L - pH, range 6.0 to 8.5 - e-Coli, 80th percentile based on at least 5 samples with not less than 30 minutes between samples, 10000cfu per 100mL, maximum 100000cfu per 100mL.
sensitive place	means: - a dwelling (including residential allotment, mobile home or caravan park, residential marina or other residential premises, motel, hotel or hostel) - a library, childcare centre, kindergarten, school, university or other educational institution - a medical centre, surgery or hospital - a protected area - a public park or garden that is open to the public (whether or not on payment of money) for use other than for sport or organised entertainment - a work place used as an office or for business or commercial purposes, which is not part of the petroleum activity(ies) and does not include employees accommodation or public roads - for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.
significantly disturbed or significant disturbance or significant disturbance to land or areas	means disturbance to land as defined in Schedule 12, section 4 of the Environmental Protection Regulation 2008.
species richness	means the number of different species in a given area.
species diversity	means the diversity within an ecological community that incorporates both species richness and the evenness of species' abundances.
spring(s)	has the meaning in Schedule 4 of the <i>Water Act 2000</i>

Term	Definition
stable	in relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation.
strategic environmental area	Has the meaning in section 11(1) of the <i>Regional Planning Interests Act 2014</i> .
structure	means a dam or levee.
suitably qualified person	means a person who has qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.
top soil	means the surface (top) layer of a soil profile, which is more fertile, darker in colour, better structured and supports greater biological activity than underlying layers. The surface layer may vary in depth depending on soil forming factors, including parent material, location and slope, but generally is not greater than about 300mm in depth from the natural surface.
trench spoil	means soil from the pipeline trench.
valid complaint	means a complaint that is not considered by the administering authority or holder of the environmental authority to be frivolous, vexatious or based on mistaken belief.
waste and resource management hierarchy	has the meaning provided in section 9 of the <i>Waste Reduction and Recycling Act 2011</i> .
waste and resource management principles	has the meaning provided in section 4(2)(b) of the <i>Waste Reduction and Recycling Act 2011</i> .
waters	means all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and underground water.
watercourse	has the meaning provided in Schedule 4 of the <i>Environmental Protection Act 1994</i> .
wetland	means a wetland as defined under the Queensland Wetlands Program and are areas of permanent or periodic/intermittent inundation, with water that is static or flowing fresh, brackish or salt, including areas of marine water, the depth of which at low tide does not exceed 6 metres. To be classified as a wetland, the area must have one or more of the following attributes:

Term	Definition
	• at least periodically, the land supports plants or animals that are adapted to and dependent on living in wet conditions for at least part of their life cycle; or • the substratum is predominantly undrained soils that are saturated, flooded or ponded long enough to develop anaerobic conditions in the upper layers; or • the substratum is not soil and is saturated with water, or covered by water at some time. For the purposes of petroleum activities, wetlands do not include springs and watercourses and those wetlands that are defined in the Wetland Mapping and Classification Methodology (2005) published by the Queensland Government as: • H2M1 Riverine or ex-riverine (lacustrine) water bodies associated with dams and weirs located in a channel; • H2M3p Ponded pastures H2M5 Palustrine/lacustrine water bodies where ecological character has changed due to gross mechanical disturbance (e.g. cropping); • H2M6 Palustrine/lacustrine water bodies that have been converted, completely or mostly, to a ring tank or other controlled storage; • H2M7 Riverine water bodies that have been converted mostly to canals or irrigation channels; • H3C1 Artificial stand-alone water storages not within a natural water body or channel; or • H3C2 Artificial Channel drain/canal – bore drains, swales, bores and irrigation channel overflows/ponding. Explanatory note: This definition has been amended from the Queensland Wetlands Program definition so that low value wetlands and man-made water bodies are excluded.
year(s)	has the meaning in s36 of the <i>Acts Interpretation Act 1954</i> .

END OF ENVIRONMENTAL AUTHORITY