Permit

Environmental Protection Act 1994

Environmental authority EPPR00969313

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

Environmental authority number: EPPR00969313

Environmental authority takes effect on 5 May 2022.

The anniversary date of this environmental authority is 01 September each year.

Environmental authority holder(s)

Name(s)	Registered address
APT PETROLEUM PIPELINES HOLDINGS PTY LIMITED	Level 25, 580 George St SYDNEY NSW 2000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 14 - Electricity generation - 1 - Generating electricity by using gas at a rated capacity of 10MW electrical or more	1/SP194554
ERA 14 - Electricity generation - 1 - Generating electricity by using gas at a rated capacity of 10MW electrical or more	125/SP209785
ERA 14 - Electricity generation - 1 - Generating electricity by using gas at a rated capacity of 10MW electrical or more	2/SP209785

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.

ABN 46 640 294 485

Queensland Government

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

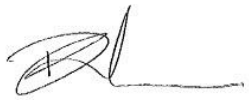
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

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.

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.

	**6 May 2022**
Signature	Date

Derek Robson
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Permits and Licensing/Operational Support
Department of Environment Science
GPO Box 2454, Brisbane QLD 4001
Phone: 1300 130 372 (Option 4)
Email: palm@des.qld.gov.au

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 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)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Conditions of environmental authority

Agency interest: General	
Condition number	**Condition**
G1	In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and/ or to minimise the likelihood of environmental harm being caused.
G2	The operator of an ERA to which this approval relates must: (a) install all measures, plant, and equipment necessary to ensure compliance with the conditions of this approval; and (b) maintain such measures, plant, and equipment in a proper and efficient condition; and (c) operate such measures, plant, and equipment in a proper and efficient manner.
G3	From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out. The SBMP must address the following matters: (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals. (b) Identification of environmental issues and potential impacts. (c) Control measures for routine operations to minimise likelihood of environmental harm. (d) Contingency plans and emergency procedures for non-routine situations. (e) Organisational structure and responsibility. (f) Effective communication. (g) Monitoring of contaminant releases. (h) Conducting environmental impact assessments. (i) Staff training. (j) Record keeping. (k) Periodic review of environmental performance and continual improvement.
G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G6	All records required by this approval must be kept for 5 years.

G7	This condition applies to the site based management plan required by condition (G3). A suitably qualified third party auditor must certify in writing that the site base management plan has been prepared: (a) by a suitably qualified person with at least 5 years' experience in the relevant area; (b) in a manner that is consistent with the requirements of condition (G3); and (c) by having regard to, and appropriately applying, the relevant guidelines (being those applicable on a national, state or a regional basis) which the third party auditor considers should be applied in undertaking the site based management plan including relevant Environment Australia, ANZECC and administering authority guidelines where published.
G8	Telephone the administering authority's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
G9	A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition (G8): (a) the name of the operator, including their approval / registration number; (b) the name and telephone number of a designated contact person; (c) quantity and substance released; (d) vehicle and registration details; (e) person/s involved (driver and any others); (f) the location and time of the release; (g) the suspected cause of the release; (h) a description of the effects of the release; (i) the results of any sampling performed in relation to the release; (j) actions taken to mitigate any environmental harm caused by the release; and (k) proposed actions to prevent a recurrence of the release.
G10	A competent person(s) must conduct any monitoring required by this approval.
G11	A record must be maintained of events including, but not limited to: (a) the time, date and duration of fuel burning equipment malfunctions where the failure of such equipment may result in environmental contamination; and (b) any abnormal shut-downs of the equipment.
G12	All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.
G13	The daily operation of the waste water treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment.
G14	An appropriate spill kit, personal protective equipment, and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.

G15	Anyone operating under this approval must be trained in the use of the spill kit.

Agency interest: Air

Condition number	Condition
A1	The release of contaminants to the atmosphere from a point source must only occur from those release points identified in *Table 1 - Contaminant release limits to air* and must be directed vertically upwards without any impedance or hindrance.

Table 1 - Contaminant Release Limits to Air

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit[1]
A1-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A2-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A3-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% 02 and 1.5 grams/second
A4-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A5-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A6-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A7-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A8-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A9-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A10-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second
A11-Generator Stack	7.5	32	Oxides of Nitrogen	500 mg/N m^3 (dry) @5% O_2 and 1.5 grams/second

NB: The above NOx release limits are applicable during all timings except start-up, shutdown, and calibration of emission monitoring devices. The start-up duration is allowed up to 30 minutes. The above minimum velocity limits apply to 100 % loading of the generator, however, if the generator is running at 75% capacity the minimum velocity must be 25 m/s and at 50% capacity the minimum velocity must be 20 m/s.

<table>
<tr><td>A2</td><td>Contaminants must be released to the atmosphere from a release point at a height and velocity not less than the corresponding height and velocity stated for that release point in Table 1 - Contaminant release limits to air.</td></tr>
<tr><td>A3</td><td>Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Table 1 - Contaminant release limits to air.</td></tr>
<tr><td>A4</td><td>Contaminants must be monitored not less frequently than specified in Table 2 - Required Release Point Determinations.
Table 2 - Required Release Point Determinations
<table>
<tr><th>Determination Required</th><th>Release Point Numbers</th><th>Frequency</th></tr>
<tr><td>Mass emission rate and concentration of oxides of nitrogen (NOx) in the flue gas at 5 percent oxygen reference level.</td><td>Generator Stacks A1 to A11 inclusive</td><td>All stacks must be monitored during commissioning (see Note) of the facility and four stacks per year thereafter on rotational basis.</td></tr>
</table>
NB: Within 6 months of commissioning the power station, the holder of this authority must conduct air emission monitoring to demonstrate compliance with air emission limits listed in Table 1 - Contaminant release limits to air.</td></tr>
<tr><td>A5</td><td>The holder of this approval must conduct and keep records of a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameter specified in Table 2 - Required Release Point Determinations and which complies with the following:
(a) Monitoring provision for the release points listed in Table 2 - Required Release Point Determinations must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
(b) The following tests must be performed for each required determination specified in Table 2 - Required Release Point Determinations:
(i) gas velocity and volume flow rate
(ii) temperature and oxygen content;
(iii) water vapour concentration.
(c) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be at maximum rates.
(d) during the sampling period the following additional information must be gathered:
• electricity generation rate at the time of sampling;
• fuel type and consumption rate;
• number of generating units in use; and
• reference to the actual test methods and accuracy's</td></tr>
<tr><td>A6</td><td>All release points referred to in Table 1 - Contaminant release limits to air must be conspicuously marked with the corresponding release point number.</td></tr>
<tr><td>A7</td><td>Notwithstanding any other condition of this approval, the release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance</td></tr>
</table>

	at any nuisance sensitive or commercial place.
A8	When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere from a release point at the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.

Agency interest: Land

Condition number	Condition
L1	Contaminants must not be released to land.
L2	Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
L3	All petroleum product storage's must be designed, constructed, and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Agency interest: Noise

Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place
N2	All noise from activities must not exceed the levels specified in *Table 3 - Noise limits* at any nuisance sensitive or commercial place.

Table 3 - Noise limits

	Monday to Saturday			**Sunday and Public Holidays**		
	7am–6pm	**6pm–10pm**	**10pm–7am**	**7am–6pm**	**6pm–10pm**	**10pm–7am**
	Noise measured at a 'Noise sensitive place*					
$L_{A10, adj, 10mins}$	Bkg + 5	Bkg + 5	Bkg + 3	Bkg + 5	Bkg + 5	Bkg + 3
$L_{A1, adj, 10 mins}$	Bkg + 10	Bkg + 10	Bkg + 5	Bkg + 10	Bkg + 10	Bkg + 5
	Noise measured at a 'commercial place'					
$L_{A10, adj, 10 mins}$	Bkg + 10	Bkg + 10	Bkg + 5	Bkg + 10	Bkg + 10	Bkg + 5
$L_{A1, adj, 10 mins}$	Bkg + 15	Bkg + 10	Bkg + 10	Bkg + 15	Bkg + 15	Bkg + 10

NB: The above background noise limits assume a minimum night-time background noise level of 25 dB(A).

N3	When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include: - $L_{A\ 10,\ adj,\ 10\ mins}$ - $L_{A\ 1,\ adj,\ 10\ mins}$ - the level and frequency of occurrence of impulsive or tonal noise; - atmospheric conditions including wind speed and direction; - effects due to extraneous factors such as traffic noise; and - location, date and time of recording.
N4	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.

Agency interest: Social

Condition number	Condition
S1	The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request: (a) time, date, name, and contact details of the complainant; (b) reasons for the complaint; (c) any investigations undertaken; (d) conclusions formed; and (e) any actions taken.

Agency interest: Water

Condition number	Condition
W1	Contaminants other than settled/treated stormwater runoff waters must not be released from the site to surface waters or the bed or banks of surface waters.
W2	The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.
W3	Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes.
W4	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter, or stormwater drain.

Definitions

Key terms and/or phrases used in this document 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.

"administering authority" means the Department of Environment and Science or its predecessor or successor.

"approval" means this environmental authority.

"commercial place" means a place used as an office or for business or commercial purposes.

"dwelling" means any of the following structures or vehicles that is principally used as a residence -

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

"$L_{A\ 10,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"$L_{A\ 1,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"noxious" means harmful or injurious to health or physical wellbeing.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina, or other residential premises; or
- a motel, hotel, or hostel; or
- a kindergarten, school, university, or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992,* the *Marine Parks Act 1992,* or a WorldHeritage Area; or
- a public thoroughfare, park, or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a placewithin the curtilage of such a place reasonably used by persons at that place.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"site" means land or tidal waters on or in which it is proposed to carry out the development approved under this approval.

"works" or "operation" means the development approved under this approval.

"you" means the holder of this approval or owner/ occupier of the land which is the subject of this approval.

END OF CONDITIONS

END OF PERMIT