

Permit

Environmental Protection Act 1994

Environmental authority EPPG03515715

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

Environmental authority number: EPPG03515715

Environmental authority takes effect on 25 March 2022

Environmental authority holder(s)

Name(s)	Registered address
SANTOS LIMITED	Ground Floor, Santos Centre 60 Flinders Street ADELAIDE SA 5000
VAMGAS PTY LTD	Ground Floor, Santos Centre 60 Flinders Street ADELAIDE SA 5000
MOONIE PIPELINE COMPANY PTY. LTD.	Ground Floor, Santos Centre 60 Flinders Street ADELAIDE SA 5000
BRIDGEFIELD PTY LTD	Santos Centre 60 Flinders Street ADELAIDE SA 5000
DELHI PETROLEUM PTY. LTD.	25 Conyngham Street GLENSIDE SA 5065
BEACH ENERGY (OPERATIONS) LIMITED	Level 8 80 Flinders St ADELAIDE SA 5000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Non-Scheduled - Petroleum Activity - Petroleum Pipeline Licence (PPL)	PPL6

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:

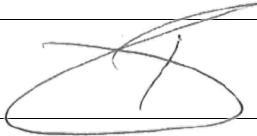
- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day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

25/03/2022

Date

Tristan Roberts
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

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Department of Environment and Science
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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 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).

Legislative Requirements and Conditions of Environmental Authority

SCHEDULE A – GENERAL CONDITIONS

- A1 Emissions that may cause material or serious environmental harm and not specifically authorised by this environmental **authority** must not be released beyond the boundary of the activity except where they are authorised under an environmental authority.
- A2 Any record required to be kept by a condition of this environmental **authority** must be held at the Corporate Environmental Group, Brisbane, and be available for examination by an authorised person.
- A3 Copies of any record required to be kept by a condition of this environmental **authority** must be provided to any authorised person or the **Administering Authority** on request.
- A4 A copy of this environmental **authority** must be kept in a location readily accessible to personnel carrying out the activity.
- A5 All complaints received by the holder of this environmental **authority** relating to operations at the licensed place must be recorded.
- A6 As soon as practicable after becoming aware of any emergency or incident which results in emissions not in accordance with the conditions of this environmental **authority**, the holder of this environmental authority must notify the **administering authority** of the release by telephone or facsimile and in writing within 14 days following the initial notification.
- A7 The holder of this environmental **authority** must notify the **administering authority** in the relevant region in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.
- A8 The environmental **authority** holder will also have in place and comply with an environmental management system, with relevant control strategies and standards. The **administering authority** will be kept informed of assessments against this system.
- A9 This environmental **authority** is granted on the condition that breach of the terms of this environmental authority in respect of one Environmentally Relevant Activity at a location will not affect this licence in relation to any other ERA at the same or any other location.
- A10 The boundary of activities for which this environmental **authority** is issued is coincident with the outer boundary of the Authority to Prospect or Petroleum Lease on which that activity is carried out.

Transitional Conditions

- A11 By 30 September 2016, the EA holder must submit to the **administering authority** financial assurance calculations in accordance with the current Guideline - Financial assurance under the Environmental Protection Act 1994 to be assessed by the administering authority. The financial assurance calculations must include all existing petroleum activities that have caused **significant disturbance** to land.
- A12 The EA holder must provide the **administering authority** the amount of financial assurance stated on a statutory notice in the form of a bank guarantee by date stated on the statutory notice.

A13 Financial Assurance

Prior to any changes in petroleum activities which would result in an increase to the maximum **significant disturbance** since financial assurance was last given to the **administering authority**, the holder of the environmental authority must amend the financial assurance and give the administering authority the increased amount of financial assurance.

- A14 If the amount of financial assurance held by the **administering authority** has been discounted and either the nominated period of financial assurance has ended, or an event or change in circumstance has resulted in the holder of the environmental **authority** no longer being able to meet one or more of the mandatory pre-requisites or applicable discount criteria, the holder of the environmental authority must amend the financial assurance and give the administering authority the increased amount of financial assurance as soon as practicable.

SCHEDULE B – AIR

- B1 Quantities and destination of carbon dioxide produced from oil and gas extraction operations and processing operations must be determined and reported in the annual environment report.
- B2 Quantities of methane produced from oil and gas extraction operations and processing operations that are discharged to the atmosphere must be determined and reported in the annual environment report.

SCHEDULE C – WATER

- C1 Water emissions that may cause material or serious environmental harm must not be released directly or indirectly from the boundary of this activity to any **waters** or the bed and banks of any waters or into the general environment beyond the boundary of this activity except as permitted under this Schedule.
- C2 Evaporation ponds located in areas frequented by livestock shall be securely fenced.

Erosion Protection Measures and Sediment Controls

- C3 Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment from all disturbed areas.
- C4 Prevent any build-up of sediment in any stormwater drain.

Stormwater Management Measures

- C5 The holder must implement and maintain measures to minimise the likelihood of the release of contaminated stormwater from the place where the activities are carried out to any stormwater drain or any **waters**.
- C6 The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where the resultant **contaminants** are unlikely to be released into any waters, roadside gutter or stormwater drainage system.
- C7 Any spillage of wastes, or **contaminants** that may cause environmental harm, must be effectively contained and/or cleaned up as quickly as practicable. Such spillage must not be cleaned up by hosing, or otherwise releasing such waste or **contaminants** to any stormwater drainage system, roadside gutter or **waters**.

SCHEDULE D – NOISE AND VIBRATION

Noise Nuisance

- D1 Noise from activities must not cause any environmental nuisance at any **noise sensitive place**.
- D2 The method of measurement and reporting of noise levels must comply with the latest edition of the Environment Protection Agency's Noise Measurement Manual.

SCHEDULE E – WASTE

- E1 End Point Criteria: Acceptable concentrations of **contaminants** allowed in soil to be disposed of as fill material by the licensee are as follows:

Schedule E, Table 1

Contaminant	Maximum Concentration (total) (mg/kg dry weight)
Total Petroleum Hydrocarbons (C ₆ to C ₉)	100
Total Petroleum Hydrocarbons (C ₁₀ to C ₁₄)	100
Total Petroleum Hydrocarbons (>C ₁₄)	1000
Total Petroleum Hydrocarbons	1000

Or as determined by the **Administering Authority**.

- E2 The holder of this environmental **authority** is responsible for the making of determinations of the quality characteristics and the frequency of sampling of the soil.
- E3 Progress Reports on land farming operations (including sampling analysis) to be provided to the **Administering Authority** on an annual basis. Monitoring will include at least the following characteristics:
- Total Petroleum Hydrocarbons (>C₉).
 - Total Petroleum Hydrocarbons (C₆ – C₉).
- E4 The environmental **authority** holder will comply with the document *A Management Strategy for the Remediation of Hydrocarbon-contaminated Soil*.
- E5 Where **regulated waste** is removed from within the boundary of the environmental **authority**, other than by a release as permitted under another schedule of this environmental authority, the holder of this environmental authority must monitor and record the following:
- (a) the date, quantity and type of waste removed; and
 - (b) name of the waste transporter and/or disposal operator that removed the waste.

SCHEDULE F – LAND

Preventing Contaminant Release to Land

F1

Contaminants must not be released to land other than as specified in Schedule E.

Sewage

- F2 No sewage **contaminants** are permitted to be discharged to land. All sewage contaminants are to be contained in relevant evaporation ponds or removed from septic tanks by licensed operators.

Pond Conditions

- F3 The evaporation pond used for the storage of **contaminants** must be constructed, installed and maintained:
- so as to prevent any release of contaminants through the bed or banks of the pond to any **waters** (including ground water);
 - so that an acceptable freeboard is maintained at all times; and
 - so as to ensure the stability of the ponds' construction.
- F4 Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering the evaporation pond or other structures used for the storage or treatment of **contaminants** or wastes.
- F5 Decommissioning the evaporation pond must include:
- the management of salt contaminated soil so that it does not cause environmental harm to surface **waters** or groundwater; and
 - the **rehabilitation** of the land so as to provide a **stable** landform and to prevent any environmental harm to the surrounding environment.
- F6 Investigation and testing of the **sites** is to be undertaken to determine if the soils are contaminated.
- F7 Any contaminated soil must be managed in accordance with the procedures and processes set out in the EPA's *Draft Guidelines for the Assessment and Management of Contaminated Land – May 1998*.

Land Rehabilitation

- F8 **Rehabilitation** of disturbed areas must take place progressively as works are staged and new areas are disturbed.

Remaining Dams

- F9 Where there is a dam (including a low consequence dam) that is **being or intended to be utilised by the landholder** or overlapping tenure holder, the dam must be decommissioned to no longer accept inflow from the petroleum activity(ies) and the contained water must be of a quality suitable for the intended on-going uses(s) by the landholder or overlapping tenure holder.

SCHEDULE G - COMMUNITY

Complaint Response

- G1 All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the **administering authority** on request.

SCHEDULE H – DEFINITIONS

Words and phrases used throughout this authority are defined below.

Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and the Environmental Protection Policies shall be used.

“administering authority” means:

- (a) for a matter, the administration and enforcement of which has been devolved to a local government under section 514 of the *Environmental Protection Act 1994*—the local government; or
- (b) for all other matters—the Chief Executive of the Department of Environment and Heritage Protection; or
- (c) another State Government Department, Authority, Storage Operator, Board or Trust, whose role is to administer provisions under other enacted legislation.

“annual return” means the return required by the annual notice (under section 316 of the *Environmental Protection Act 1994*) for the section 86(2) licence that applied to the development approval.

“authority” means level 1 licence (without development approval), or level 1 (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

“being or intended to be utilised by the landholder or overlapping tenure holder” for significantly disturbed land, means there is a written agreement (e.g. land and compensation agreement) between the landholder or the overlapping tenure holder and the holder of the environmental authority identifying that the landholder or the overlapping tenure holder has a preferred use of the land such that rehabilitation standards for revegetation by the holder of the environmental authority are not required.

For dams, means there is a written agreement (e.g. land and compensation agreement) between the landholder or the overlapping tenure holder and the holder of the environmental authority identifying that the landholder or the overlapping tenure holder has a preferred use for the dam such that rehabilitation standards for revegetation by the holder of the environmental authority are not required.

“contaminant” can be:

- (a) a gas, liquid or solid; or
- (b) an odour; or
- (c) an organism (whether alive or dead), including a virus; or
- (d) energy including noise, heat radioactivity and electromagnetic radiation; or
- (e) a combination of contaminants.

“contaminated land” means land contaminated by a hazardous contaminant.

“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

“noise sensitive place” means:

- a dwelling, 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; or
- a park or gardens; or
- a place used as an office or for business or commercial purposes, and includes the curtilage of any such place.

“regulated waste” means non-domestic waste mentioned in Schedule 7 of the Environment Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

- for any element – any chemical compound containing the element; and
- anything that has contained the waste.

“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.

“significantly disturbed” or **“significant disturbance”** or **“significant disturbance to land or areas”** has the meaning in Schedule 12, section 4 of the *Environmental Protection Regulation 2008*. Land is significantly disturbed if:

- (a) it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it:
 - (i) to a condition required under the relevant environmental authority; or
 - (ii) if the environmental authority does not require the land to be rehabilitated to a particular condition—to the condition it was in immediately before the disturbance.

“site” means the place to which this authority relates.

“stable” has the meaning in Schedule 5 of the Environmental Protection Regulation 2008 and, for a site, means the rehabilitation and restoration of the site is enduring or permanent so that the site is unlikely to collapse, erode or subside.

“waters” includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

END OF AUTHORITY