

Permit

Environmental Protection Act 1994

Environmental authority

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

Environmental authority number: P-EA-100463892

Environmental authority takes effect on 1 July 2026. This is the take effect date.

The first annual fee is payable within 20 business days of the take effect date.

The anniversary date of this environmental authority is the same day each year as the take effect date. The payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name(s)	Registered address
Incitec Pivot Limited	Level 8 28 Freshwater Place SOUTHBANK VIC 3006

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 07 - Chemical manufacturing - 6(d) - Manufacturing, in a year, the following quantities of inorganic chemicals, other than inorganic chemicals to which items 1 to 4 apply - more than 100,000t	468/SL5433, 472/SL8834, 481/SL5761
ERA 50 - Mineral and bulk material handling - 2 - Loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in item 3, or storing bulk materials	468/SL5433, 472/SL8834, 481/SL576

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:

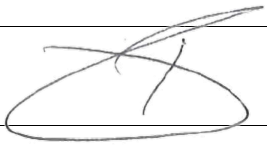
- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day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

21 July 2023

Date

Tristan Roberts
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 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).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at <https://www.rshq.qld.gov.au/>, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. If you are unsure that you have the most current version of the environmental authority relating to this site please visit <https://apps.des.qld.gov.au/env-authorities/> to access all environmental authorities currently approved.

Conditions of environmental authority

Agency interest: General	
Condition number	Condition
G1	<p>Activities under this environmental authority must be conducted in accordance with the following limitations:</p> <ul style="list-style-type: none"> (a) Manufacturing of chemicals is limited to gaseous ammonia; (b) Manufacturing of gaseous ammonia must not exceed 450,000 tonnes per annum; (c) Loading and unloading of gaseous ammonia must not exceed 450,000 tonnes per annum (d) Activities under this environmental authority are authorised only within the red outlined area identified in Appendix A: Approved Area
G2	<p>Any contravention of a condition of this environmental authority must be reported to the administering authority as soon as practicable, but no more than 24 hours after becoming aware of the contravention.</p>
G3	<p>All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activity.</p>
G4	<p>The activity must be undertaken in accordance with written procedures that:</p> <ul style="list-style-type: none"> (a) identify potential risks to the environment from the activity during routine operations and emergencies; and (b) establish and maintain control measures that minimise the potential for environmental harm; and (c) ensure plant, equipment and measures are maintained in a proper and effective condition; and (d) ensure plant, equipment and measures are operated in a proper and effective manner; and (e) ensure that staff are trained and aware of their obligations under the Environmental Protection Act 1994; and (f) ensure that reviews of environmental performance are undertaken at least every 3 years.
G5	<p>Written procedures required by condition G5 must be:</p> <ul style="list-style-type: none"> (a) implemented; (b) kept in a location readily accessible to personnel carrying out the activity; and (c) reviewed at least every 3 years or sooner based on risk, and following any major amendments made to the environmental authority.
G6	<p>Plant and all equipment must be installed, operated and maintained in a proper and effective manner.</p>
G7	<p>All records must be kept for a period of at least five years and provided to the administering authority upon request, within the timeframe and in the format specified in the request.</p>
G8	<p>An appropriately qualified person(s) must:</p>

	<p>(a) monitor and record all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority; and</p> <p>(b) analyse and interpret the results of all monitoring required by this environmental authority, and document the analysis and interpretation.</p>
G9	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses. The only exceptions to this condition are the in situ monitoring of turbidity, pH, electrical conductivity and dissolved oxygen.
G10	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.
G11	When required by the administering authority, monitoring must be undertaken in the manner prescribed by the administering authority to investigate a complaint of environmental nuisance arising from the activity. The monitoring results must be provided within 10 business days to the administering authority upon its request.
G12	Measures for detecting seepage and leaks from storage tanks and storage areas must be installed, implemented and maintained.
G13	Any detection of a leak or seepage of contaminant from storage tanks or storage areas must be reported to the administering authority within 24 hours.
Agency Interest: Waste	
Condition number	Condition
WA1	All waste generated in carrying out the activity must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
WA2	Incompatible wastes must not be mixed in the same container or waste storage area
WA3	Written agreement must be in place between the holder of this environmental authority and any other entities receiving or providing product or waste via pipeline and must include: <ol style="list-style-type: none"> 1. Delineation of: <ol style="list-style-type: none"> a. ownership of infrastructure; b. responsibility of spills or leaks from infrastructure transporting waste or product; 2. Agreement to receive waste or product.
Agency Interest: Acoustic	
Condition number	Condition
N1	Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.
N2	Noise from the activity must not exceed the levels identified in <i>Table – Noise limits</i> at any nuisance sensitive place or commercial place when measured in accordance with the associated monitoring requirements.

Table – Noise limits						
Noise level	Monday to Saturday			Sunday and Public Holidays		
	7am–6pm	6pm–10pm	10pm–7am	9am–6pm	6pm–10pm	10pm–9am
	Noise measured at the nearest sensitive place					
LAeq adj, 1 hr	48	44	42	48	42	42
LA ₁ , 1 hr	55	51	49	55	49	49
	Noise measured at a commercial place					
LAeq adj, 1 hr	55	55	55	55	55	55
LA ₁ , 1 hr	62	62	62	62	62	62

*Site-specific values to be inserted

Associated monitoring requirements

1. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.
2. Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual.
3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.

Agency interest: Air

Condition number	Condition number
A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.
A2	Point source emissions of contaminants from the activity must only be released to air in accordance with the parameters listed in <i>Table – Point source air release limits</i> .

Table - Point Source Air Release Limits ^{[1][2]}

Release Point Number	Source Description	Minimum Release Height (metres)	Minimum Exhaust velocity (m/s)	Maximum NOx Release Limit (mg/m ³)
ES 501	Utilities - Boiler stack	38.0	5.79	350
ES 616	Ammonia Plant - KAAP Startup heater Stack	25.0	4.46	350

	VS6005	Oil Vent Stack for C603 Refrigeration Compressor	25	0.5	-
	FRS6001	NH ₃ Plant Flare	33.1	-	-
	TG9001	TG-90 Steam Vent	-	-	-
	ASU01	ASU O ₂ Vent	-	-	-
	FRS3001	Ammonia Storage Tank BOG Compressor Flare	21.7	-	-
	<p>Associated requirements</p> <ol style="list-style-type: none"> 1. Contaminants released from each release point specified in Table – Point source air release limits must be directed vertically upwards without any impedance or hindrance. 2. Contaminants must be released to the atmosphere from a release point at a height not less than the corresponding height stated for that release point in Table – Point source air release limits. 				
A3	The flare systems (FRS6001 and FRS3001) must be constructed and operated in a way to avoid the release or formation of contaminants (such as oxides of nitrogen (NO _x)) at a level capable of causing environmental harm or environmental nuisance.				
A4	<p>Upon commencement of a release in accordance with condition A2, the holder of this environmental authority must maintain at Receptor A and Receptor B;</p> <ol style="list-style-type: none"> 1. a real time ammonia gas analyser; 2. a real time meteorological station for measuring and recording wind speed, wind direction and temperature; and 3. a data logger. 				
A5	<p>The holder of this environmental authority must take all reasonable and practicable measures to ensure that the ambient ammonia receptor stations located at the Receptors must continuously measure and record the following:</p> <ol style="list-style-type: none"> 1. fifteen (15) minute average and one (1) hour average ambient ammonia concentration; 2. the wind speed and wind direction for each corresponding fifteen (15) minute average and one (1) hour average ammonia recording. 				
A6	The holder of this environmental authority must manage the release of ammonia to ensure that it does not exceed the ambient level of 330 µg/m ³ (hourly average measured at receptor A and Receptor B) excluding during exceptional circumstances.				
A7	<p>If the administering authority receives a complaint concerning ammonia emissions then the holder of this environmental authority must within fourteen (14) days, provide a report to the administering authority outlining -</p> <ol style="list-style-type: none"> (a) any exceptional circumstances occurring at the time of the complaint; (b) ambient ammonia concentration at the time of the complaint; (c) weather conditions at the time of the complaint including wind direction; (d) any corrective actions taken to prevent or minimise the release of ammonia in order to achieve the management objective (i.e. ambient ammonia concentration of 330 µg/m³ (hourly average) at Receptor A or B. 				

A8	Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place: (a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); or (b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority.
Agency interest: Land	
Condition number	Condition
L1	Other than as permitted within the environmental authority, contaminants must not be released to land.
L2	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment to waters.
L3	Before applying to surrender this environmental authority, the site must be rehabilitated to achieve a safe, stable, non-polluting landform and be suitable for the intended land use.
L4	Significant residual impacts to prescribed environmental matters are not authorised under this environmental authority or the <i>Environmental Offsets Act 2014</i> .
L5	Treatment and management of acid sulfate soils must comply with the latest edition of the Queensland Acid Sulfate Soil Technical Manual.
Agency interest: Water	
Condition number	Condition
W1	Other than as permitted by this environmental authority, contaminants must not be released to any waters.
W2	Contaminants must not be released to groundwater or at a location where they are likely to release to groundwater.
W3	Point source releases A release to waters must not occur unless: a) it is only released from the release point specified in <i>Table – Release Points and Release limits to water</i> ; and b) it complies with the release limits (limit and type) for each quality characteristic and quantity specified in <i>Table – Release Points and Release limits to water</i> ; and c) it is monitored at the minimum monitoring frequency for each quality characteristic and quantity specified in <i>Table – Release Points and Release limits to water</i> and d) it is monitored at the monitoring location W1 in <i>Table – Release Points and Release limits to water</i> .

Table – Release Points and Release limits to water

Release Location and Monitoring Point (GDA2020) (latitude, longitude)	Quantity and Quality characteristic	Release limit		Minimum monitoring frequency
		Limit/unit	Type	
Release Point W1: -27.4317, 153.1286 Monitoring Location W1: -27.4317, 153.1284	Volume:	During dry weather: 2200m ³ /day	Maximum	Daily
		m ³ /day	Monitor only	
	pH	6.0-9.5 pH units	Range	Three (3) days per week
	Ammonia Nitrogen (as N)	25 mg/L	Maximum	
	Total nitrogen	50 kg/day	90 th percentile	
	Electrical Conductivity	µS/cm	Monitor only	
	5-day biological Oxygen Demand	230 mg/L	Maximum	Weekly provided a release occurs
	Suspended Solids	90 mg/L	90 th percentile	
	Dissolved Oxygen	2.0 mg/L	Minimum	
	Oil and Grease	10 mg/L	Maximum	
	Total Chromium	1.0 mg/L	90 th percentile	
		2.0 mg/L	maximum	
	Hexavalent Chromium	0.05 mg/L	90 th percentile	
		0.1 mg/L	Maximum	
	Total Zinc	1.0	Maximum	
	Faecal coliforms	1000	Median	
4000		maximum		

Associated Requirements

- [1] Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's Monitoring and Sampling Manual.
- [2] Monitoring samples must be representative of the general condition of the release;

	<p>[3] All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality objectives/triggers/limits relevant to the particular water or sediment quality characteristic.</p> <p>[4] All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.</p>
W4	The release of waters permitted under W3 must not produce any slick or other visible evidence of oil, grease, scum, litter or other visually objectionable matter.

Definitions

Where a word or phrase in this document is defined in these Definitions or within this document, it has its corresponding meaning. Where a word or phrase in this document is not defined in these Definitions, it has the meaning given to it in (in order of priority):

- the *Environmental Protection Act 1994* (EP Act), its regulations or its environmental protection policies;
- the *Acts Interpretation Act 1954*;
- the Macquarie Dictionary (taking account of the context in which the word or phrase is used in this document).

For example, environmental value, environmental harm, environmental nuisance, material environmental harm, serious environmental harm and relevant act are defined in the EP Act and groundwater is defined in the Environmental Protection Regulation 2019.

Defined words or phrases in the singular include the plural and vice versa.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Science or its successors or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental nuisance as defined in Chapter 1 of the Environmental Protection Act 1994.

Exceptional circumstances means plant start-up, shut-down or electricity blackouts.

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer.

Incompatible waste means waste that may chemically react when:

- 1) placed in proximity to other wastes; and/or
- 2) mixed with other wastes.

LAeq adj, 1hr means the adjusted A weighted equivalent continuous sound pressure level measured in fast response time weighting, adjusted for tonality and impulsiveness, during the measurement period of 1 hour.

LA1, 1hr means the A weighted sound pressure level measured in fast response time weighting, that is exceeded for 1% of the measurement period of 1 hour.

Land does not include waters.

Measures have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Prescribed environmental matters has the meaning in section 10 of the Environmental Offsets Act 2014, limited to the matters of State environmental significant listed in schedule 2 of the Environmental Offsets Regulation 2014.

Receptor A means the monitoring station located on Lot 547 Plan SL1977 at 77 Tingira Street Pinkenba QLD 4008 or other location agreed to in writing by the Administering Authority.

Receptor B means the monitoring station located on Lot 3 Plan SP277667 or other location agreed to in writing by the Administering Authority.

Receptors means both Receptor A and Receptor B.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

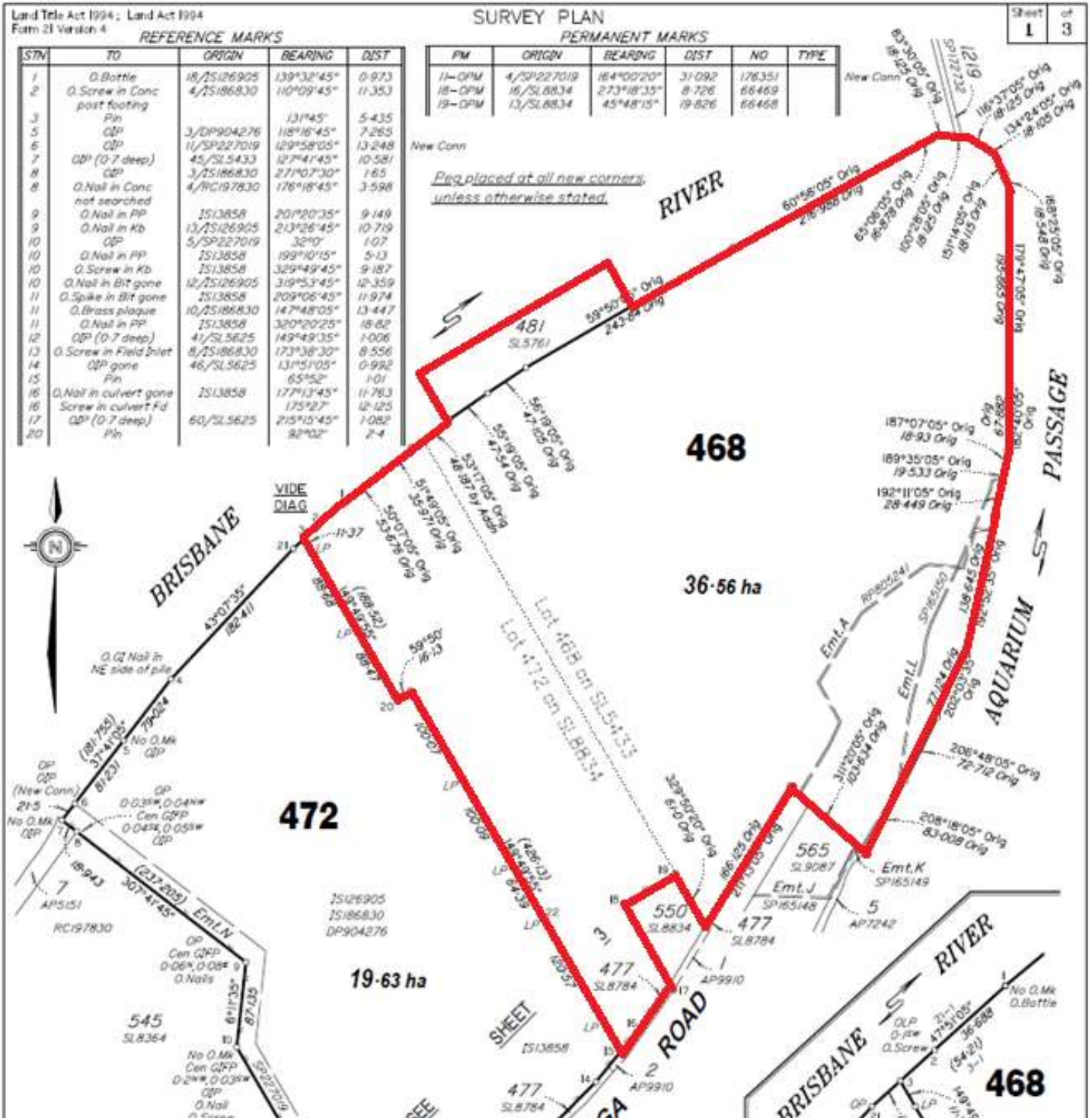
1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the Nature Conservation Act 1992, the Marine Parks Act 2004 or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019.

Significant residual impact has the meaning in section 8 Environmental Offsets Act 2014.

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.

You means the holder of the environmental authority

Appendix A: Approved Area



END OF ENVIRONMENTAL AUTHORITY