

Permit

Environmental Protection Act 1994

Environmental authority EPPR00545013

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

Environmental authority number: EPPR00545013

Environmental authority takes effect on 29 August 2019

Environmental authority holder(s)

Name(s)	Registered address
BULLOO SHIRE COUNCIL	68 Dowling Street THARGOMINDAH QLD 4492

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) 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	Lot 515/RP900057
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) 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	Lot 500/CP900062
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) 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	Lot 35/C8128
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	LOT 501/CP900053
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 5006/PH1593

Environmental authority

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 3/B122
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 415/CP835115
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2/SP184928
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 450/PH753
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 3/WLA14
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 8/CP892351
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 424/PH1953
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 58/SP210397
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2829/PH307
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/WN233
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/PE1
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 23/NPW450
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1673/PH2276
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/SP133822

Environmental authority

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2669/PH2064
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 4/WN234
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2914/SP219056
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 12/NL25
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1319/PH1996
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1344/CP908606
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2828/PH276
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/WN148
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 5006/PH1593
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 3/B122
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 415/CP835115
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2/SP184928
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 450/PH753
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 3/WLA14

Environmental authority

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 8/CP892351
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 424/PH1953
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 58/SP210397
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2829/PH307
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/WN233
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/PE1
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 23/NPW450
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1673/PH2276
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/SP133822
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2669/PH2064
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 4/WN234
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2914/SP219056
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 12/NL25
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1319/PH1996

Environmental authority

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1344/CP908606
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 2828/PH276
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 1/WN148

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.

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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.

Dorota Rosiak
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Waste and Contaminated Land Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Date issued: 29 August 2019

Environmental authority

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)

Legislative requirements

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.

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 www.dnrm.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. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Part 1 – Standard conditions

Environmentally relevant activities	Locations			
	Address	Lot on Plan	Latitude	Longitude
ERA 16-(2a) Extractive >5000t but <100000t yr ERA 16-(3a) Screening >5000t but <100000t yr	Autumnvale pit 5.80	1/WN148	-27.800600	144.034400
	Bulloo downs pit 61.60	5004/T1842932	-28.246400	143.297000
	Bulloo downs pit 74.40	2554/PH458	-28.335900	143.210000
	Hungerford pit 37.90	2669/SP269508	-28.302100	143.863100
	Hungerford pit 38.10	2669/SP269508	-28.306000	143.864000
	Hungerford pit 60.60	2828/PH276	-28.491100	143.848000
	Hungerford pit 63.10	2828/PH276	-28.511000	143.840500
	Hungerford pit 115.70	2829/PH307	-28.948400	143.941800
	Innamincka pit 31.85	3/BI22	-27.672700	142.334800
	Innamincka pit 57.80	1/SP133822	-27.543300	142.221000
	Innamincka pit 103.20	415/CP835115	-27.462600	141.784300
	Innamincka pit 104.50	415/CP835115	-27.448000	141.790700
	Innamincka pit 165.00	415/CP835115	-27.472213	141.278443
	New Hamilton pit 1.20	2829/PH307	-28.786500	143.844300
	Quilpie Thargo pit 137.20	4/CP880081	-27.759200	144.233000
	Quilpie Thargo pit 141.55	4/CP880081	-27.793000	144.213500
	Quilpie Thargo pit 174.15	4141/SP269489	-27.908500	143.951400
	Warry Gate pit 47.90	3/BI22	-28.018790	142.485550
	Warry Gate pit 115.00	1/SP209773	-28.377000	142.022200
	Warry Gate pit 115.30	1/SP209773	-28.380500	142.022000
	Warry Gate pit 122.90	1/SP209773	-28.448100	142.006800

	Warry Gate pit 158.90	1/SP209773	-28.728316	141.910163
	Warry Gate pit 182.95	1/SP209773	-28.972865	141.975865
	Woomanooka pit 18.40	1/SP133822	-27.377900	142.410413
	Woomanooka pit 31.35	1/SP133822	-27.346365	142.265262
	Woomanooka pit 48.95	1/SP133822	-27.23900	142.142000

The conditions of approval for the environmentally relevant activity conducted at the locations described above must be conducted in accordance with the standard conditions contained within the attached documents entitled:

- **Eligibility Criteria and standard conditions for screening (5000 tonnes to 100,000 tonnes of material in a year (ERA 16)) – Version 2;** and
- **Eligibility criteria and standard conditions for extracting material (ERA 16) – Version 2.**

Part 2 – General site specific conditions

Environmentally relevant activities	Locations			
	Address	Lot on Plan	Latitude	Longitude
ERA 16-(2a) Extractive >5000t but <100000t yr	Cunnamulla Rd 7	8/CP892351	-28.0986	144.388
	Cunnamulla Rd 9	8/CP892351	-28.101	144.1757
ERA 16-(3a) Screening >5000t but <100000t yr	Cunnamulla Rd 11	2914/SP219056	-27.9913	143.9596
	Hungerford 2	2914/SP219056	-28.0702	143.782
	Bun01	1/WN233	-27.940010	143.796430
	Bun02	1/WN233	-27.9283	143.7873
	Bun03	1/WN233	-27.8622	143.7142
	Bun04	1319/PH1996	-27.839	143.638
	Bun05	1319/PH 1996	-27.8229	143.6004
	Bun06	3/B122	-27.6941	142.7473
	Bun10	3/B122	-27.6941	142.7473
	Bun14	3/B122	-27.6732	142.6922
	Bun15	3/B122	-27.6941	142.7473
	Bun16	3/B122	-27.6183	142.6717
	Bun17	3/B122	-27.5895	142.6435
	Warry Gate 9	3/B122	-27.8914	142.6103
	Warry Gate 11	3/B122	-27.9774	142.4988
	Warry Gate 14	3/B122	-28.1332	142.2084
	Warry Gate 15	3/B122	-28.1883	142.148
	Quilpie Rd 1	1/WN148	-27.8467	144.074
	Bun07	5006/PH1593	-27.8159	143.5558
	Bun08	58/SP210397	-27.7851	143.3788
	Bun09	58/SP210397	-27.7575	143.2889
	Bun11	58/SP210397	-27.7198	143.0807
	Bun12	58/SP210397	-27.7285	142.9733
	Bun13	58/SP210397	-27.7293	142.9577
	Bun18	2/SP184928	-27.5478	142.6325
	Bun19	2/SP184928	27.539170	142.633090
	Bun20	2/SP184928	-27.51	142.6402
	Bun21	2/SP184928	-27.4914	142.6379
	Erom01	2/SP184928	-27.3637	142.6419
	Bun22	1/SP133822	-27.3907	142.5893
	Cooks Well Rd	1/SP133822	-27.1538	141.839
	Erom02	424/PH1953	-27.3129	142.693
	Erom03	424/PH1953	-27.2718	142.7239
	Erom04	424/PH1953	-27.2412	142.7444
	Erom05	424/PH1953	-27.2068	142.757
	Erom06	424/PH1953	-27.1836	142.7715
	Erom07	3/WLA14	-27.133	142.7894
	Erom08	3/WLA14	-27.118	142.82
	Erom09	3/WLA14	-27.1094	142.8376
	newori01	450/PH753	-27.7161	141.2038

	newori02	450/PH753	-27.7194	141.2095
	neworiO3	450/PH753	-27.7237	141.205
	neworiO4	450/PH753	-27.7364	141.2098
	newori05	450/PH753	-27.7401	141.2101
	Innamincka Pit 5	450/PH753	-27.7108	141.0168
	Quilpie Rd 7	4/WN234	-27.8088	144.192
	Innamincka Pit 1	415/CP835115	-27.4902	141.8131
	Innamincka Pit 2	415/CP835115	-27.3921	141.4185
	Innamincka Pit 3	415/CP835115	-27.4272	141.9361
	Innamincka Pit 4	415/CP835115	-27.5498	141.132
	Arrabury Rd 1	415/CP835115	-27.331	141.2107
	Bulloo Downs 1	1344/CP908606	-28.0329	143.614
	Bulloo Downs 6	1673/PH2276	-28.4834	143.105
	Yakara Pit	2669/PH2064	-28.2887	143.8726
	New Hamilton Gate 1	2829/PH307	-28.7874	143.829
	Hungerford 21	2829/PH307	-28.9472	143.949
	Hungerford 17	2828/PH276	-28.647	143.808
	Hungerford 22	23/NPW450	-28.9972	144.201
	Hungerford 24	23/NPW450	-28.9955	144.317
	Hood's Range	23/NPW450	-28.8199	144.47
	Hungerford 25	12/NL25	-28.9966	144.447
	Arrabury Rd 2	1/PE1	-27.0737	141.1422
ERA 60-(2a) Waste disposal >50t but<2000t yr (1)(b)	501/CP900053 Bulloo Development road – Thargomindah Waste Disposal Facility			
ERA 63-(1b)(i) Sewage 1500EP – IT or IR	515/RP900057 500/CP900062 35/C8128 Thargomindah Sewage Treatment Plant			

The environmentally relevant activities conducted at the locations described above must be conducted in accordance with the following site specific conditions of the approval.

Agency interest: General	
Condition number	Condition
G1	All reasonable and practicable measures must be taken to prevent the likelihood of environmental harm being caused.
G2	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.

G4	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the administering authority upon request and in the format requested.
G5	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G6	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.
G7	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority . The monitoring results must be provided to the administering authority upon request.
G8	The activity 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 <i>Environmental Protection Act 1994</i> (f) ensure that reviews of environmental performance are undertaken at least annually
G9	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases from the containment system controlled in a manner that prevents environmental harm.
Agency interest: Air	
Condition number	Condition
A1	Odours or airborne contaminants must not cause environmental nuisance at a sensitive place or commercial place .
Agency interest: Water	
Condition number	Condition
WT1	Contaminants must not be released from the site to waters .
WT2	The holder of this approval must develop and implement a stormwater management plan which provides for the following functions: (a) avoidance and minimisation of contaminated stormwater; and (b) reuse, treatment and disposal of contaminated stormwater.

Agency interest: Noise	
Condition number	Condition
N1	Noise from the activity must not cause an environmental nuisance at any sensitive place or commercial place .
Agency interest: Waste	
Condition number	Condition
WS1	Regulated waste must only be removed from site by a transporter lawfully able to transport it and taken only to a place lawfully able to receive it.
WS2	The holder of this environmental authority must not: (a) allow waste to burn or be burned at or on the licensed places; nor (b) remove waste from the licensed places and burn such waste elsewhere.

Part 3 – Sewage treatment site specific conditions

Environmentally relevant activity	Locations
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Lot 515 Plan RP900057; Lot 500 Plan CP900062; Lot 35 Plan C8128 Thargomindah STP

The environmentally relevant activity conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: Land																										
Condition number	Condition																									
STP1	Environmentally relevant activity must not be conducted contrary to any of the following limitations: a) inflows to sewage treatment plant must not exceed the peak design capacity of the Design Average Dry Weather Flow (DADWF) of 105kL/day on any day; b) treated effluent from the sewage treatment plant is to be stored only in lagoon(s) on Lot 500 Plan CP900062; and c) up to a maximum of 18kL/day of treated effluent is irrigated on Lot 35 Plan C8128.																									
STP2	The only contaminants to be released to land are treated effluent in accordance with the Table 1 — Treated effluent release limits to irrigation area and the associated requirements. Table 1 — Treated effluent release limits to irrigation area and the associated requirements. <table><tr><th>QUALITY CHARACTERISTICS</th><th>RELEASE LIMIT</th><th>LIMIT TYPE</th><th>MONITORING FREQUENCY</th><th>RELEASE POINT</th></tr><tr><td>pH</td><td>6.0 to 8.5</td><td>Range</td><td rowspan="5">Quarterly</td><td rowspan="5">Outlet of the treatment system</td></tr><tr><td>Electrical Conductivity (pS/cm)</td><td>1600</td><td>Maximum</td></tr><tr><td>Total Phosphorous (mg/L)</td><td>15</td><td>Maximum</td></tr><tr><td>Total Nitrogen</td><td>30</td><td>Maximum</td></tr><tr><td>E.coli (cfu/100mL)</td><td><1000</td><td>Maximum</td></tr></table> Associated Requirements: a) 2.4 ha total irrigation area as outlined in SBMP (May 2014) b) monitoring must be in accordance with the administering authority's Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained. c) releases of treated effluent must not be outside of the irrigation areas as outlined in SMBP (May 2014). d) maximum volume of 18kL/day of treated effluent can be disposed across irrigation area				QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE	MONITORING FREQUENCY	RELEASE POINT	pH	6.0 to 8.5	Range	Quarterly	Outlet of the treatment system	Electrical Conductivity (pS/cm)	1600	Maximum	Total Phosphorous (mg/L)	15	Maximum	Total Nitrogen	30	Maximum	E.coli (cfu/100mL)	<1000	Maximum
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STP3	Treated effluent released to land must be done in accordance with documentation that ensures: a) drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; b) surface pondage and run-off of effluent is prevented; c) degradation of soil structure is minimised; d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; e) spray drift or overspray does not carry beyond effluent disposal areas; f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and g) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
STP4	When weather conditions or soil conditions preclude the release of treated sewerage effluent to land, effluent must not be irrigated to land.
STP5	Notices must be prominently displayed on areas undergoing effluent irrigation, warning that the area is irrigated with treated effluent and not to use or drink the treated effluent. These notices must be maintained in a visible and legible condition.
STP6	All ponds used for the storage of treated effluent on the site to which this environmental authority relates to, must be constructed, installed and maintained to be fit for purpose, including: a) to minimise the likelihood of any release of effluent through the bed and banks of the pond to waters (including groundwater); b) a freeboard of not less than 0.5 metres is maintained at all times except in emergencies; and c) to ensure the stability of the ponds' construction.
STP7	Screenings, grit and sludge generated by the sewage treatment process must not be: a) disposed of on-site; and b) stored at the site for any period of time longer than that necessary to dewater the screenings, grit and sludge and prepare it for transport to and disposal at a proper and appropriate licenced waste disposal/incineration facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse, recycle or reprocess such waste.

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that 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.

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 successor or predecessors.

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

Day means any 24 hour period.

Design Average Dry Weather Flow (DADWF) means the average dry weather flow of the treatment plant at the design horizon.

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

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

NATA means National Association of Testing Authorities.

Release of a contaminant into the environment means to:

- a) deposit, discharge, emit or disturb the contaminant;
- b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed;
- c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed;
- d) allow the contaminant to escape; and
- e) fail to prevent the contaminant from escaping.

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

- a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- b) a motel, hotel or hostel; or
- c) a kindergarten, school, university or other educational institution; or
- d) a medical centre or hospital; or
- e) a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- f) a public thoroughfare, park or gardens; or
- g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

Total Phosphorus (TP) means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

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.

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