

Permit

Environmental Protection Act 1994

Environmental authority EPPR00785513

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

Environmental authority number: EPPR00785513

Environmental authority takes effect on the date of approval.

The anniversary date of this environmental authority remains **1 March**.

The payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
Murweh Shire Council	95-101 Alfred Street CHARLEVILLE QLD 4470

Environmentally relevant activity and location details

Environmentally relevant activities	Locations
16-(1a) Dredging >1000t but <10000t yr	Warrego Highway – Charleville - Latitude -26.398748 Longitude 146.238323
60-(2a) Waste disposal >50t but <2000t yr (1)(b)	Old Charleville Road, Morven Waste Disposal - Lot 21 Plan OR69 Old Tambo Road, Augathella Waste Disposal - Lot 111 Plan OR275
60-(2c) Waste disposal >5000t but <10000t yr (1)(b)	Bollon Road, Charleville Waste Disposal - Lot 150 Plan OR282
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Augathella STP - Lot 125 Plan SP118644
63-(1c) Sewage treatment >1500 to 4000EP	Opposite Charleville Cemetery - Charleville STP - Lot 74 Plan SP258462, Lot 2 Plan SP258462, Lot 3 Plan SP258462
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	Hillcrest, Off Warrego Highway MORVEN - Lot 2 Plan MNG5 Site 109 Argyll, Killarney Road, CLARA CREEK - Lot 9 Plan SP204521 Site 11 Posiedon, Barngo Road, AUGATHELLA - Lot 8 Plan SP114861 Site 110 Verona, Killarney Road, CLARA CREEK - Lot 7 Plan SP204521

Environmentally relevant activities	Locations
	Site 114 Stock Route, Old Tambo Road, AUGATHELLA - Lot 1 Plan AP2533 Site 115 Gladys Downs, Old Tambo Road, AUGATHELLA - Lot 2 Plan BND34 Site 117 Tregonning, Nebine Road, MORVEN - Lot 10 Plan DL362 Site 139 Tiporary, Nooraloo Road, MORVEN - Lot 2 Plan RS80 Site 158 Diamantina Development Road, COOLADDI - Lot 10 Plan PO65 Site 159 Yarranvale Road, COOLADDI - Lot 10 Plan PO65 Site 21 Nth Yarrawonga, Wellwater Road, GOWRIE STATION - Lot 12 Plan OR233 Site 245 Moorak, Mt Tabor Road, AUGATHELLA - Lot 1 Plan MNG10 Site 247 Gundare, Gundare Road, AUGATHELLA - Lot 115 Plan O5399 Site 27 Bonfield, Allendale Road, AUGATHELLA - Lot 142 Plan CP897008 Site 298 Brumich, Red Ward Road, LANGLO - Lot 4 Plan BND55 Site 300 Road Reserve, Old Tambo Road, AUGATHELLA – Latitude -25.690930 Longitude 146.530213 Site 323 Verona, Killarney Road, CLARA CREEK - Lot 7 Plan SP204521 Site 33 Lochinvar, Khyber Road, UPPER WARREGO - Lot 4 Plan BND83 Site 339 Tiporary, Nooraloo Road, MORVEN - Lot 2 Plan RS80 Site 35 Newcome, Laguna Road, NIVE - Lot 4 Plan BND46 Site 354 Rosewood, Barngo Road, AUGATHELLA - Lot 32 Plan CP818525 Site 355 Rosewood, Barngo Road, AUGATHELLA - Lot 32 Plan CP818525 Site 37 Plevna Downs, Barngo Road, AUGATHELLA - Lot 12 Plan BND24 Site 376 Moorak, Mt Tabor Road, AUGATHELLA - Lot 1 Plan MNG10 Site 38 Perance Station, AUGATHELLA - Lot 5 Plan BND90 Site 39 Augathella Common, Barngo Road AUGATHELLA - Lot 113 Plan W5310 Site 399 Road Reserve, Landsborough Hwy, AUGATHELLA - Lot 113 Plan W5310 Site 415 Moorak, Waterford Road, AUGATHELLA - Lot 8 Plan MNG30 Site 42 Hillgrove, Mitch/Morven Road, MORVEN - Lot 2 Plan MNG5

Environmentally relevant activities	Locations
	Site 434 Chesterton, Mt Tabor Road, UPPER WARREGO - Lot 9 Plan CHS24 Site 449 Road Reserve, Borea Road, AUGATHELLA - Lot 2 Plan BND16 Site 450 Babbiloorra, Mt Tabor Road, UPPER WARREGO - Lot 1241 Plan PH1776 Site 451 Burenda, Mt Tabor Road, AUGATHELLA - Lot 15 Plan O5337 Site 452 Burenda, Mt Tabor Road, AUGATHELLA - Lot 7 Plan OR209 Site 49 Lorne Downs, Mt Tabor Road, UPER WARREGO - Lot 1 Plan CHS18 Site 51 Augathella Common, Barngo Road, AUGATHELLA - Lot 113 Plan W5310 Site 52 Road Reserve, Warrego Highway, CHARLEVILLE - Lot 93 Plan OR294 Site 55 Roslyn, Augathella Road, AUGATHELLA - Lot 0104 Plan O5389 Site 6 Victoria Downs, Killarney Road, MORVEN - Lot 1 Plan OR11 Site 65 Babbiloorra, Barngo Road, UPPER WARREGO - Lot 1241 Plan PH1776 Site 66 Babbiloorra, Barngo Road, UPPER WARREGO - Lot 1241 Plan PH1776 Site 69 Burenda, Landsborough Hwy, AUGATHELLA - Lot 16 Plan O5350 Site 7 Augathella Common, Old Tambo Road, AUGATHELLA - Lot 113 Plan W5310 Site 71 Moorak, Mt Tabor Road, AUGATHELLA - Lot 1 Plan MNG10 Site 72 Killarney, Mt Tabor Road, AUGATHELLA - Lot 8 Plan MNG30 Site 73 Wetlands, Mt Tabor Road, AUGATHELLA - Lot 2 Plan SP194428 Site 74 Wetlands, Mt Tabor Road, AUGATHELLA - Lot 1 Plan SP194428 Site 75 Wetlands, Mt Tabor Road, AUGATHELLA - Lot 1 Plan SP194428 Site 77 Attica, Mt Tabor Road, UPPER WARREGO - Lot 2 Plan FTY1074 Site 78 Attica, Mt Tabor Road, UPPER WARREGO - Lot 7 Plan CHS3 Site 79 Mt Tabor Road, UPPER WARREGO - Lot 6 Plan CHS25 Site 8 Gladys Downs, Old Tambo Road, AUGATHELLA - Lot 8 Plan BND36 Site 80 Mt Tabor Road UPPER WARREGO - Lot 6 Plan CHS25

Environmentally relevant activities	Locations
	Site 81 Mt Tabor Road, UPER WARREGO - Lot 6 Plan CHS25 Site 83 Babbiloorra, Mt Tabor Road, UPPER WARREGO - Lot 1241 Plan PH1776 Site 88 Dooloogra, Mt Tabor Road UPPER WARREGO - Lot 4 Plan CHS26 Site 94 Derbyshire, Mt Tabor Road, UPPER WARREGO - Lot 2 Plan CHS7 Site 96 Moorak, Mt Tabor Road, AUGATHELLA - Lot 3 Plan MNG12 Site 97 Chesterton, Mt Tabor Road, UPPER WARREGO - Lot 9 Plan CHS24 Site 153 Road Reserve, Diamantina Development Road, QUILPIE – Latitude -26.573587 Longitude 145.935592 Site 157 Road Reserve, Diamantina Development Road, QUIPLIE – Latitude -26.651785 Longitude 145.561244 Site 203 Stock Route, Red Ward Road, LANGLO – Latitude - 25.768124 Longitude 146.155555 Site 226 Road Reserve, Diamantina Development Road, QUILPIE – Latitude -26.515224 Longitude 146.058652 Site 272 Road Reserve, Red Ward Road, LANGLO – Latitude - 25.863891 Longitude 146.173318 Site 273 Road Reserve, Red Ward Road, LANGLO – Latitude - 25.830775 Longitude 146.173881 Site 378 Road Reserve, Khyber Road, AUGATHELLA – Latitude - 25.594000 Longitude 146.657636 Site 82 Road Reserve, Mt Tabor Road, UPPER WARREGO – Latitude -25.104552 Longitude 147.578361 Site 261 Road Reserve, Old Tambo Road, AUGATHELLA – Latitude -25.7739 Longitude 146.57761 Site 297 “Oakwood” Biddenham Road, CHARLEVILLE – Lot 5 Plan LO89 – Latitude -25.692497 Longitude 146.10753; Site 13 “Oakwood” CHARLEVILLE – Lot 5 Plan LO89 – Latitude -25.609352 Longitude 146.111352; Gravel Pit 450 - Lot 53 SP25346 (- 26.4086, 146.2490; -26.4077, 146.2495; -26.4079, 149.2503; -26.4087, 146.2501). Old Chinaman’s Pit, Warrego Highway, CHARLEVILLE - Lot 53 SP253460 (-26.417384, 146.269126; -26.419943, 146.271762; -26.418702, 146.273253; -26.414940, 146.269403).

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).

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Contaminated land

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

- the presence of, or happening of an event involving, a hazardous contaminant on the land that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours); or
- if the land is contaminated land – a change in the condition of the land that is causing, or is reasonably likely to cause, serious or material environmental harm (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 land (notice must be given within 20 business days).

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

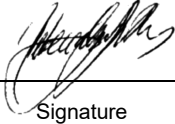
Please note that, in accordance with section 200 of the EP Act, an EA has effect:

- 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.



Signature

29/05/2026

Date

Rebecca Griffiths

Enquiries:

**Department of the Environment, Tourism, Science
and Innovation**

Delegate of the administering authority
Environmental Protection Act 1994

Utilities and Government Organisations Assessment
GPO Box 2454 BRISBANE QLD 4001
Phone: 1300 130 372 (option 4)
Email: palm@detsi.qld.gov.au

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 and Federal 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 Natural Resources and Mines, Manufacturing, and Regional and Rural Development (to clear vegetation), and the Department of Primary Industries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)

Matters of national environmental significance (MNES) are regulated under the Commonwealth EPBC Act rather than under state legislation. You may need to submit a referral if your project potentially impacts any matters protected under the EPBC Act. For more information on self-assessments, and referral and assessment processes please visit the Department of Climate Change, Energy, the Environment and Water webpage, <https://www.dcceew.gov.au/environment/epbc/advice>.

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.nrmrdd.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 the Environment, Tourism, Science and Innovation to ensure that you have the most current version of the environmental authority relating to this site.

Obligations under the *Aboriginal Cultural Heritage Act 2003* and *Torres Strait Islander Cultural Heritage Act 2003* (the Cultural Heritage Acts)

The Cultural Heritage Acts require anyone who carries out a land-use activity to exercise a duty of care. This 'duty of care' means land users must take all reasonable and practicable measures to ensure their activity does not harm Aboriginal or Torres Strait Islander cultural heritage, and applies to any activity where Aboriginal or Torres Strait Islander cultural heritage is located. For more information on your obligations under this legislation, please visit the Department of Women, Aboriginal and Torres Strait Islander Partnerships and Multiculturalism webpage at, <https://www.dwatsipm.qld.gov.au/>.

Conditions of environmental authority

Schedule 1: Standard Conditions

With the exception of any variations, the conditions of approval for this environmental authority include standard conditions contained within the attached document(s) entitled:

- Eligibility criteria and standard conditions for extracting material (ERA 16) – Version 2 (EM216); and
- Eligibility criteria and standard conditions for screening (5,000 tonnes to 100,000 tonnes of material in a year) (ERA 16) – Version 2 (EM276).

The environmentally relevant activities conducted at the locations as described in Table 1 below must be conducted in accordance with the eligibility criteria and standard conditions contained within the above documents.

Table 1 Sites covered by the standard conditions

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	7	Common Reserve, Old Tambo Rd	113/W5310	-25.76551	146.59178
				-25.76614	146.59247
				-25.76454	146.59347
				-25.76518	146.59401
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	8	Gladys Downs, Old Tambo Rd	8/BND36	-25.73751	146.51014
				-25.73611	146.51215
				-25.74050	146.51388
				-25.73897	146.51515
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	11	Posiedon, Barngo Rd	8/SP114861	-25.66622	146.67536
				-25.66491	146.67545
				-25.66494	146.67794
				-25.66625	146.67874
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	21	North Yarrawonga, Wellwater Rd	12/OR233	-26.19722	146.54021
				-26.19532	146.54090
				-26.19756	146.54200
				-26.19543	146.54278
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	27	Plevna Downs, Allendale Rd	142/CP897008	-25.83961	146.73178
				-25.84198	146.73262
				-25.83948	146.73352
				-25.84212	146.73367
	37	Hillgrove, Barngo Rd	12/BND24	-25.59428	146.85246

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr				-25.59353	146.85337
				-25.59563	146.85442
				-25.59502	146.85543
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	42	Hillgrove, Mitchell/Morven Rd	2/MNG5	-26.39991	147.19195
				-26.39812	147.19288
				-26.40217	147.19443
				-26.39823	147.19634
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	49	Mt Tabor Road, Mt Tabor Rd	1/CHS18	-25.46942	147.21761
				-25.47081	147.21777
				-25.46890	147.22079
				-25.47024	147.22125
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	65	Babbiloora, Barngo Rd	1241/PH1776	-25.15567	147.15569
				-25.15470	147.15659
				-25.15627	147.15663
				-25.15522	147.15754
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	66	Babbiloora, Barngo Rd	1241/PH1776	-25.09853	147.21936
				-25.09965	147.21941
				-25.09874	147.22120
				-25.09822	147.22202
				-25.09976	147.22275
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	71	Moorak, Mt Tabor Rd	1/MNG10	-25.69145	147.05514
				-25.68550	147.05571
				-25.69144	147.05740
				-25.68559	147.05829
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	72	Killarney, Mt Tabor Rd	8/MNG30	-25.59882	147.09565
				-25.59684	147.09597
				-25.59882	147.09707
				-25.59689	147.09728
	73	Wetlands, Mt Tabor Rd	2/SP194428	-25.55908	147.13606

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr				-25.55977	147.13665
				-25.55796	147.13716
				-25.55834	147.13786
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	74	Wetlands, Mt Tabor Rd	1/SP194428	-25.51402	147.15752
				-25.51503	147.15711
				-25.51513	147.15752
				-25.51420	147.15796
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	75	Wetlands, Mt Tabor Rd	1/SP194428	-25.49729	147.16491
				-25.49871	147.16426
				-25.49890	147.16475
				-25.49742	147.16553
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	77	Attica, Mt Tabor Rd	2/FTY1074	-25.27443	147.37947
				-25.27576	147.37793
				-25.27673	147.37895
				-25.27511	147.38046
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	78	Attica, Mt Tabor Rd	7/CHS3	-25.25980	147.47179
				-25.26098	147.47228
				-25.25946	147.47276
				-25.26063	147.47322
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	79	Mt Tabor, Mt Tabor Rd	6/CHS25	-25.25959	147.48665
				-25.25945	147.48752
				-25.26058	147.48703
				-25.26026	147.48785
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	80	Mt Tabor, Mt Tabor Rd	6/CHS25	-25.25371	147.50008
				-25.25448	147.50030
				-25.25432	147.49909
				-25.25504	147.49934
16-(2a) Extractive >5000t but <100000t yr	81	Mt Tabor, Mt Tabor Rd	6/CHS25	-25.24807	147.51741
				-25.24800	147.51866

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(3a) Screening >5000t but <100000t yr				-25.24889	147.51737
				-25.24893	147.51872
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	82	Mt Tabor, Mt Tabor Rd	Road Reserve	-25.10359	147.57861
				-25.10376	147.57911
				-25.10517	147.57763
				-25.10544	147.57825
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	83	Babbiloorra, Mt Tabor Rd	1241/PH1776	-25.03622	147.63029
				-25.03607	147.63083
				-25.03728	147.63072
				-25.03708	147.63139
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	153	Quilpie Road, Quilpie Rd	-	-26.57344	145.93308
				-26.57548	145.93401
				-26.57162	145.93724
				-26.57353	145.93815
				-26.57353	145.93815
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	157	Quilpie, Quilpie Rd	-	-26.65014	145.55950
				-26.65056	145.56338
				-26.65283	145.55910
				-26.65337	145.56308
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	158	Quilpie, Quilpie Rd	10/PO65	-26.64840	145.52184
				-26.65095	145.52128
				-26.65095	145.52128
				-26.64838	145.52306
				-26.64858	145.52548
				-26.64897	145.52815
				-26.65162	145.52822
				-26.64905	145.52864
16-(2a) Extractive >5000t but <100000t yr	159	Yarronvale Road, Yarronvale Rd	10/PO65	-26.65561	145.38043
				-26.65060	145.38108
				-26.65610	145.38266

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(3a) Screening >5000t but <100000t yr				-26.65075	145.38357
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	226	Road Reserve, Diamantina Dev Rd	-	-26.51403	146.05453
				-26.51775	146.05613
				-26.51133	146.05706
				-26.51920	146.05770
				-26.51920	146.05770
				-26.51106	146.05885
				-26.51554	146.06305
				-26.51685	146.06320
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	6	Victoria Downs, Killarney Rd	1/OR11	-26.33840	147.05554
				-26.33988	147.05390
				-26.33861	147.05227
				-26.33751	147.05409
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	33	Lochinvar, Khyber Rd	4/BND83	-25.50132	146.71370
				-25.50155	146.71410
				-25.50081	146.71458
				-25.50057	146.71425
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	35	Newcome, Laguna Rd	4/BND46	-25.56572	146.48780
				-25.56790	146.48725
				-25.56858	146.49389
				-25.56672	146.49399
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	38	Perance Station, Caroline Crossing Rd	5/BND90	-25.59067	146.72064
				-25.59118	146.72121
				-25.59236	146.72031
				-25.59170	146.71912
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	39	Augathella Common, Barngo Rd	113/W5310	-25.75238	146.61719
				-25.75099	146.61777
				-25.75098	146.61879
				-25.75295	146.61853

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	51	Augathella Common, Barngo Rd	113/W5310	-25.76496	146.59766
				-25.76455	146.59842
				-25.76314	146.59888
				-25.76270	146.59740
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	52	Road Reserve, Morven Rd	93/OR294	-26.41587	146.35391
				-26.41625	146.35452
				-26.41519	146.35532
				-26.41478	146.35486
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	55	Roslyn, Augathella Rd	0104/O5389	-25.85764	146.57126
				-25.85900	146.57511
				-25.86104	146.56932
				-25.86241	146.57359
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	69	Burenda, Landsborough Hwy	16/O5350	-25.82157	146.64082
				-25.82184	146.63934
				-25.82087	146.63893
				-25.82060	146.64035
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	88	Dooloogra, Mt Tabor Rd	4/CHS26	-24.89302	147.68388
				-24.89251	147.68449
				-24.89248	147.68184
				-24.89149	147.68242
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	94	Derbyshire, Mt Tabor Rd	2/CHS7	-25.41990	147.31712
				-25.41885	147.31764
				-25.41826	147.31625
				-25.41917	147.31566
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	96	Moorak, Mt Tabor Rd	3/MNG12	-25.63156	147.09593
				-25.63341	147.09597
				-25.63362	147.10387
				-25.63210	147.10378
16-(2a) Extractive >5000t but <100000t yr	97	Chesterton, Mt Tabor Rd	9/CHS24	-25.31084	147.33630
				-25.30983	147.33780

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(3a) Screening >5000t but <100000t yr				-25.31029	147.33795
				-25.31126	147.33673
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	109	Argyll Station, Killarney Rd	9/SP204521	-26.08164	147.04659
				-26.08228	147.04794
				-26.08414	147.04739
				-26.08467	147.04599
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	110	Verona Station, Killarney Rd	7/SP204521	-26.18034	147.06674
				-26.18158	147.06650
				-26.18180	147.06493
				-26.18048	147.06511
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	114	Stock Route, Old Tambo Rd	1/AP2533	-25.65998	146.51434
				-25.66006	146.51399
				-25.65955	146.51431
				-25.65915	146.51384
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	115	Gladys Downs, Old Tambo Rd	2/BND34	-25.71120	146.53142
				-25.71075	146.53105
				-25.71142	146.52896
				-25.71218	146.52884
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	117	Tregonning, Nebine Rd	10/DL362	-26.54536	147.14780
				-26.54609	147.14790
				-26.54662	147.14587
				-26.54566	147.14561
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	139	Tiperary, Nooraloo Rd	2/RS80	-26.56780	147.09906
				-26.56818	147.09940
				-26.56906	147.09842
				-26.56863	147.09805
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	203	Stock Route, Red Ward Rd	-	-25.77009	146.15608
				-25.76760	146.15355
				-25.76695	146.15527
				-25.76669	146.15712

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	245	Moorak, Mt Tabor Rd	1/MNG10	-25.67174	147.04047
				-25.67394	147.03836
				-25.67438	147.04498
				-25.67243	147.04503
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	247	Gundare, Gundare Rd	115/O5399	-25.96625	146.64967
				-25.96549	146.65005
				-25.96529	146.65205
				-25.96629	146.65189
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	272	Road Reserve, Red Ward Rd	-	-25.86377	146.17439
				-25.86308	146.17401
				-25.86479	146.17270
				-25.86379	146.17235
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	273	Road Reserve, Red Ward Rd	-	-25.83121	146.17300
				-25.82990	146.17305
				-25.83160	146.17442
				-25.83050	146.17505
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	298	Brumich, Red Ward Rd	4BND55	-25.73514	146.17287
				-25.73714	146.17465
				-25.738354	146.17447
				-25.73813	146.17251
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	300	Road Reserve, Old Tambo Rd	-	-25.69029	146.53052
				-25.69093	146.53088
				-25.69167	146.52989
				-25.69075	146.52962
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	323	Verona, Killarney Rd	7/SP204521	-26.16979	147.05859
				-26.16977	147.05699
				-26.17206	147.05716
				-26.17193	147.05836
16-(2a) Extractive >5000t but <100000t yr	339	Tiparary, Nooraloo Rd	2/RS80	-26.56218	147.09953
				-26.56170	147.09740

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(3a) Screening >5000t but <100000t yr				-26.56112	147.09898
				-26.56210	147.11011
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	354	Rosewood, Barngo Rd	32/CP818525	-25.69660	146.61964
				-25.69746	146.61909
				-25.69853	146.62015
				-25.69683	146.62099
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	355	Rosewood, Barngo Rd	32/CP818525	-25.68544	146.62346
				-25.68628	146.62331
				-25.68664	146.62396
				-25.68557	146.62427
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	376	Moorak, Mt Tabor Rd	1/MNG10	-25.68073	147.05782
				-25.68227	147.05750
				-25.68210	147.05597
				-25.68040	147.05629
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	378	Road Reserve, Khyber Rd	-	-25.59318	146.65616
				-25.59385	146.65575
				-25.59479	146.65919
				-25.59403	146.65944
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	399	Road Reserve, Landsborough Hwy	113/W5310	-25.80968	146.60019
				-25.80907	146.60237
				-25.81331	146.60526
				-25.81552	146.60315
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	415	Moorak, Waterford Rd	8/MNG30	-25.64993	147.01663
				-25.65260	147.01667
				-25.65269	147.013543
				-25.65006	147.01357
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	434	Chesterton, Mt Toba Rd	9/CHS24	-25.30172	147.36110
				-25.30155	147.36014
				-25.30398	147.36029
				-25.30401	147.36140

ERAS	PIT NO.	PROPERTY/ROAD	LOT/PLAN	EXTENT OF PIT	
				LATITUDE	LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	449	Road Reserve, Borea Rd	2/BND16	-25.84389	146.90489
				-25.84432	146.90350
				-25.84566	146.90370
				-25.84515	146.90536
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	450	Babbiloorra, Mt Tabor Rd	1241/PH1776	-25.16275	147.15278
				-25.16594	147.15202
				-25.16767	147.15214
				-25.16847	147.15350
				-25.16332	147.15471
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	451	Burenda, Mt Tabor Rd	15/O5337	-25.79176	146.60545
				-25.79103	146.60466
				-25.79167	146.60367
				-25.79268	146.60423
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	452	Burenda, Mt Tabor Rd	7/OR209	-25.78788	146.61887
				-25.78786	146.61919
				-25.78912	146.61820
				-25.78897	146.62006
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	261	Old Tambo Rd	-	-25.77365	146.57671
				-25.77508	146.57713
				-25.77456	146.57928
				-25.77266	146.57913
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	297	"Oakwood" Charleville, off Biddenham Road	5/LO89	-25.690264	146.104548
				-25.690942	146.110001
				-25.693962	146.105924
				-25.694489	146.110989
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	13	"Oakwood" Charleville	5/LO89	-25.597115	146.108466
				-25.597264	146.113703
				-25.600686	146.113877
				-25.601063	146.109054

Schedule 2: General Conditions

The environmentally relevant activities conducted at the locations as described in **Table 2** below must be conducted in accordance with the following site specific conditions of approval.

Table 2 - Site specific ERA locations

ERA	SITE NAME	ERA LOCATION				
		ADDRESS	LOT/PLAN	ROAD RESERVE	CENTROID LATITUDE	CENTROID LONGITUDE
16-(1a) Dredging >1000t but <10000t yr	-	Warrego Highway, Charleville	-	-	-26.398748	146.238323
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	Hillcrest	Off Warrego Highway, Morven	Lot 2 Plan MNG5	-	-	-
	Gravel Pit 450	-	Lot 53 SP253460	-	-26.4086	146.2490
					-26.4077	146.2495
					-26.4079	149.2503
					-26.4087	146.2501
60-(2a) Waste disposal >50t but <2000t yr (1)(b)	Augathella Waste Disposal	Old Tambo Road, Augathella	Lot 111 Plan OR275	-	-	-
60-(2a) Waste disposal >50t but <2000t yr (1)(b)	Morven Waste Disposal	Old Charleville Road, Morven	Lot 21 Plan OR69	-	-	-
60-(2c) Waste disposal >5000t but <10000t yr (1)(b)	Charleville Waste Disposal	Bollon Road, Charleville	Lot 150 Plan OR282	-	-	-
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Augathella Sewage Treatment Plant (STP)	Unnamed Road, Augathella	Lot 125 Plan SP118644	-	-	-
63-(1c) Sewage treatment >1500 to 4000EP	Charleville STP	Opposite Charleville Cemetery, Charleville	Lot 74 Plan SP258462, Lot 2 Plan SP258462, Lot	-	-	-

ERA	SITE NAME	ERA LOCATION				
		ADDRESS	LOT/PLAN	ROAD RESERVE	CENTROID LATITUDE	CENTROID LONGITUDE
			3 Plan SP258462			

Agency interest: General

Condition number	Condition
G1	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicably possible, 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 taken.
G2	All reasonable and practicable measures must be taken to prevent or minimise any environmental harm caused, or likely to be caused by the activities .
G3	Written procedures must be developed which: (a) identify all potential risks to the environment from the activity, including: (i) during routine operations; and (ii) outside routine operations; and (iii) during closure; and (iv) in an emergency; and (b) identify measures to prevent or minimise the potential for environmental harm for each of the potential risks identified; and (c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and (d) establish a staff training program on obligations under this environmental authority and the <i>Environmental Protection Act 1994</i> to be conducted as part of staff inductions and at least annually thereafter; and (e) establish processes to review environmental risks, incidents, performance and complaints.
G4	Written procedures required by condition G3 must be: (a) implemented; and (b) reviewed at least every two years; and (c) provided to the administering authority upon request and within a timeframe specified by the administering authority.

G5	Record keeping Unless otherwise specified by a condition of this environmental authority, records must be: (a) kept for the period outlined in <i>Table 1 – Record keeping requirements</i> ; and (b) provided to the administering authority upon request and in the format requested.							
	Table 3 – Record keeping requirements							
	<table><tr><th>Description of records</th><th>Retention requirement</th></tr><tr><td>Monitoring results</td><td>Retain for 15 years</td></tr><tr><td>All other records</td><td>Retain for 5 years</td></tr></table>	Description of records	Retention requirement	Monitoring results	Retain for 15 years	All other records	Retain for 5 years	
	Description of records	Retention requirement						
Monitoring results	Retain for 15 years							
All other records	Retain for 5 years							
G6	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) accreditation or an equivalent certification, for such analyses. The only exception to this condition is for <i>in situ</i> monitoring of pH, electrical conductivity and E.Coli.							
G7	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 from the activity must not cause environmental nuisance to any sensitive place or commercial place .							
Agency interest: Noise								
Condition number	Condition							
N1	Noise from the activity must not cause nuisance at a sensitive place .							
N2	If evidence is provided through monitoring that the limits defined in Table 4 and Table 5 , are not being exceeded then the holder is not in breach of Condition N1. <i>Table 4 Noise Limits – Sensitive Place</i>							
	Noise level dB(A) measured as	Monday to Sunday including public holidays						

	<table><tr><th>Noise measured at a sensitive place</th><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th></tr><tr><td>L_{Aeq} adj, T</td><td>45</td><td>40</td><td>35</td></tr></table>	Noise measured at a sensitive place	7am - 6pm	6pm - 10pm	10pm - 7am	L _{Aeq} adj, T	45	40	35				
Noise measured at a sensitive place	7am - 6pm	6pm - 10pm	10pm - 7am										
L _{Aeq} adj, T	45	40	35										
	Table 5 Noise Limits – Commercial Place <table><tr><th>Noise level dB(A) measured as</th><th colspan="3">Monday to Sunday including public holidays</th></tr><tr><th>Noise measured at a commercial place</th><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th></tr><tr><td>L_{Aeq} adj, T</td><td>50</td><td>45</td><td>40</td></tr></table>	Noise level dB(A) measured as	Monday to Sunday including public holidays			Noise measured at a commercial place	7am - 6pm	6pm - 10pm	10pm - 7am	L _{Aeq} adj, T	50	45	40
Noise level dB(A) measured as	Monday to Sunday including public holidays												
Noise measured at a commercial place	7am - 6pm	6pm - 10pm	10pm - 7am										
L _{Aeq} adj, T	50	45	40										
N3	When requested by the administering authority , noise monitoring must be undertaken and the results notified within 14 days to the administering authority . Monitoring must include: a) L _{Aeq} , adj, T; and b) MaxL _{pA} , T; and c) the level and frequency of occurrence of any impulsive or tonal noise; and d) atmospheric conditions including wind speed and direction; and e) effects due to extraneous factors such as traffic noise; and f) 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: Water													
Condition number	Condition												
WT1	Other than as permitted within this authority, contaminants must not be released from the site to any waters or the bed and banks of any waters .												
WT2	Excepting site “Gravel Pit 450” located at Lot 53 SP253460, the stormwater generated by the peak discharge of a storm event with an average recurrence interval of one in 10 years must be retained on site and treated to remove contaminants before release.												
WT3	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.												

Agency interest: Waste	
Condition number	Condition
WS1	All waste must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Land	
Condition number	Condition
L1	Other than as permitted within this authority, contaminants must not be released from the site to land .
L2	Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: a) suitable native species of vegetation are planted and established; and b) potential for erosion of the site is minimised; and c) the quality of water, including seepage, released from the site does not cause environmental harm; and d) potential for environmental nuisance caused by dust is minimised; and e) the water quality of any residual water body does not have potential to cause environmental harm; and f) the final landform is stable and protects public safety.

Schedule 3: Site Specific Conditions

Schedule 3a: Charleville Sewage Treatment Plant (STP)

In addition to the conditions in Schedule 2, the environmentally relevant activity conducted at the location as described below must be conducted in accordance with the following site specific conditions of approval.

Environmentally relevant activity	Location
63-(1c) Sewage treatment >1500 to 4000EP	Opposite Charleville Cemetery - Charleville STP - Lot 74 Plan SP258462, Lot 2 Plan SP258462, Lot 3 Plan SP258462

Agency interest: General	
Condition number	Condition
G1	The daily quantity of treated effluent released must be determined by a method acceptable to the administering authority .
G2	Monitoring of the quality of treated effluent released to waters or land must be carried out in accordance with the latest edition of the administering authority's Monitoring and Sampling Manual.
Agency interest: Water	
Condition number	Condition
WT1	Only treated effluent from the Charleville Sewage Treatment Plant may be released to waters at the following location: Release Point W1: Latitude -26.425731, Longitude 146.234210
WT2	The total quantity of contaminants released from release point number W1 during any dry weather day must not exceed 1 200 cubic metres and during a wet weather day must not exceed 6 000 cubic metres.

Schedule 3b: Augathella Sewage Treatment Plant (STP)

In addition to the conditions in Schedule 2, the environmentally relevant activity conducted at the location as described below must be conducted in accordance with the following site specific conditions of approval.

Environmentally relevant activity	Location
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Augathella STP - Lot 125 Plan SP118644

Agency interest: General	
Condition number	Condition
G1	Activities must be conducted in accordance with the following: (a) Daily inflows must not exceed daily peak design capacity of three (3) times the Design Average Dry Weather Flow (DADWF) of 85,000L/day, being a maximum of 255,000L/day.
G2	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G3	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority.
G4	The following details must be recorded for all environmental complaints received: (a) date and time the complaint was received; and (b) if authorised by the person making the complaint, their name and contact details; and (c) nature and details of the complaint; and (d) investigations carried out in response to the complaint as required by condition G5; and (e) the results of investigations; and (f) measures taken under condition G6.
G5	An investigation must be undertaken within 28 days (or a longer period agreed to in writing by the administering authority) into all complaints received to determine: (a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and (b) reasonable measures that could be implemented to address the complaint.
G6	Measures identified under condition G5 must be implemented within: (a) 28 days of the investigation required by condition G5 being finalised; or (b) a longer period agreed to in writing by the administering authority.

G7	When requested by the administering authority , monitoring must be undertaken in the manner and within the timeframe prescribed by the administering authority , to investigate any alleged environmental harm caused by the activity .
G8	When requested by the administering authority , the results, including an analysis of the results, of monitoring required by condition G7 must be provided to the administering authority : (a) within 10 days after you receive the monitoring results; or (b) a longer period agreed to in writing by the administering authority .
G9	Plant and equipment necessary to comply with the conditions of this environmental authority must be installed, operated, calibrated and maintained: (a) in a proper and effective manner; and (b) in accordance with the written procedures developed under Schedule 2 Condition G3 for the plant and equipment.
Agency interest: Water	
Condition number	Condition
WT1	Treatment ponds The treatment ponds must be designed, constructed and maintained by an appropriately qualified person to: (a) prevent the release of contaminants to land or waters ; and (b) to ensure the stability of the pond structure
WT2	The treatment ponds must be de-sludged at a minimum frequency to ensure the efficacy of the treatment process is maintained.
WT3	The soil absorption trench must: (a) be installed with an isolation valve at the midpoint; and (b) be installed with inspection points (distribution access chambers) at the start, midpoint and end of each trench branch; and (c) be maintained so that the distribution pipework is clear and that even distribution of treated effluent is achieved.
WT4	Groundwater monitoring program (GWMP) By no longer than 3 months from take effect date of this environmental authority a groundwater monitoring program (GWMP) must be designed and implemented by an appropriately qualified person(s) with experience and qualifications in groundwater monitoring, to monitor the effects of the activity on groundwaters .

WT5	The GWMP required by condition WT4 must include: (a) clearly stated aims and objectives; and (b) a monitoring program that is developed using the latest version of the administering authority's guideline Using monitoring data to assess groundwater quality and potential environmental impacts, and that specifies: i) groundwater flow characteristics for the groundwater that could be impacted by the activity (potentially impacted groundwater), including a hydraulic gradient and groundwater flow rates; and ii) surface waters that could interact with potentially impacted groundwater (potentially impacted surface waters); and iii) the environmental values of the potentially impacted groundwater and the potentially impacted surface waters; and iv) cumulative impacts on the potentially impacted groundwater; and v) the spatial extent of the monitoring program, including the location of monitoring bores required under condition WT4; and vi) the temporal context of the monitoring program, including timing and frequency of sampling.
WT6	An appropriately qualified person(s) must install groundwater monitoring bores that enable monitoring from: (a) the uppermost aquifer; and (b) control location(s) that are suitable for establishing a background or other referable environmental value for the potentially impacted groundwater; and (c) test location(s) that are suitable for determining the extent to which the potentially impacted groundwater are, or are potentially, being impacted by the activity; and (d) for potentially impacted groundwater, hydraulically up-gradient bore(s) and hydraulically down-gradient bore(s) of the activity.

Monitoring under the GWMP must include:

- (a) **monitoring** of the receiving environment at the monitoring location(s), and at the minimum monitoring frequency, and for the quality characteristics specified in *Table 8 – Groundwater Monitoring Program*.

Table 8 – Groundwater Monitoring Program

Monitoring locations	Quality characteristic (units)	Minimum monitoring frequency
Up-gradient bore and down-gradient bore from the soil absorption trench	pH	Quarterly for the first two years of approval. 6-Monthly thereafter.
	Electrical Conductivity (µS/cm)	
	Total Nitrogen TN (mg/L as N)	
	Ammonia Nitrogen (mg/L)	
	Total Phosphorus TP (mg/L as P)	
	Calcium, Chloride, Potassium, Magnesium, Sodium, Sulphate, Bicarbonate, and Carbonate (mg/L)	
	Standing groundwater level (metres below ground level)	

WT7

Upon the request of the **administering authority**, the GWMP required by condition WT4 must be submitted to the **administering authority** within a timeframe (which must be at least 10 business day) specified by the **administering authority**.

WT8

Any comments made by the **administering authority** on the GWMP must be addressed to the reasonable satisfaction and within a timeframe (which must be at least 30 business days) specified by the **administering authority**.

WT9

A report summarising the results of the GWMP (GWMP Report) must be prepared by an **appropriately qualified person(s)** and submitted to the **administering authority** by 31 December each **year**, for the previous 12 month period.

WT10

The GWMP Report required by condition WT9 must include:

- (a) a summary of the **monitoring** data obtained under the GWMP in the relevant financial year; and
- (b) an evaluation of all relevant data obtained under the GWMP, including graphical representations showing all relevant historical data and a comparison of data trends against relevant groundwater quality objectives; and
- (c) a description of all actions taken to minimise the environmental risk in response to data or other information obtained during the GWMP; and
- (d) the results of those management actions.

WT11	The GWMP Report required by condition WT9 must include analysis and interpretation of monitoring results by an appropriately qualified person(s) that determines: (a) whether any deep drainage of contaminants from the activity into groundwater has occurred; and (b) how the groundwater has been impacted by the activity.
WT12	The GWMP Report required by condition WT9 must include recommended action(s) to mitigate any adverse impacts caused, or likely to be caused, by the activity in respect of potentially impacted groundwater .
WT13	The GWMP required by condition WT9 must be reviewed annually by an appropriately qualified person(s) and certified as being appropriate to monitor the effects of the activity on groundwaters .

Agency interest: Land

Condition number	Condition																																							
L1	Treated effluent generated by the activity must only be released to the soil absorption trench when the following requirements are complied with: (a) the release limits for each quality characteristic are complied with at the monitoring locations as specified in <i>Table 9 – Contaminant limits for releases to land</i>; and (b) releases are monitored at all monitoring locations and at the minimum monitoring frequency for each quality characteristic specified in <i>Table 9 – Contaminant limits for releases to land</i>. Table 9 - Contaminant limits for releases to land <table><tr><th rowspan="2">Monitoring location</th><th rowspan="2">Quality characteristic (units)</th><th colspan="3">Release limits</th><th rowspan="2">Minimum monitoring frequency</th></tr><tr><th>Minimum</th><th>Mean</th><th>Maximum</th></tr><tr><td rowspan="6">Outflow of chlorine contact tank located at GPS Co-ordinates: 458017.935 E; 7145667.949 N (GDA2020 MGA2020 Zone 55)</td><td>Irrigation volume (L/day)</td><td>-</td><td>-</td><td>85,000</td><td rowspan="2">Daily</td></tr><tr><td>Irrigation rate (mm/day)</td><td>-</td><td>-</td><td>17</td></tr><tr><td>Total Nitrogen TN (mg/L as N)</td><td>-</td><td>-</td><td>20</td><td>Quarterly</td></tr><tr><td>Total Phosphorus TP (mg/L as P)</td><td>-</td><td>-</td><td>10</td><td>Quarterly</td></tr><tr><td>pH (pH units)</td><td>6.5</td><td>-</td><td>9.0</td><td>Quarterly</td></tr><tr><td>Escherichia coli (E.coli) cfu/100mL)</td><td>-</td><td>-</td><td>1,000</td><td>Quarterly</td></tr></table>	Monitoring location	Quality characteristic (units)	Release limits			Minimum monitoring frequency	Minimum	Mean	Maximum	Outflow of chlorine contact tank located at GPS Co-ordinates: 458017.935 E; 7145667.949 N (GDA2020 MGA2020 Zone 55)	Irrigation volume (L/day)	-	-	85,000	Daily	Irrigation rate (mm/day)	-	-	17	Total Nitrogen TN (mg/L as N)	-	-	20	Quarterly	Total Phosphorus TP (mg/L as P)	-	-	10	Quarterly	pH (pH units)	6.5	-	9.0	Quarterly	Escherichia coli (E.coli) cfu/100mL)	-	-	1,000	Quarterly
	Monitoring location			Quality characteristic (units)	Release limits			Minimum monitoring frequency																																
		Minimum	Mean		Maximum																																			
	Outflow of chlorine contact tank located at GPS Co-ordinates: 458017.935 E; 7145667.949 N (GDA2020 MGA2020 Zone 55)	Irrigation volume (L/day)	-	-	85,000	Daily																																		
		Irrigation rate (mm/day)	-	-	17																																			
		Total Nitrogen TN (mg/L as N)	-	-	20	Quarterly																																		
		Total Phosphorus TP (mg/L as P)	-	-	10	Quarterly																																		
		pH (pH units)	6.5	-	9.0	Quarterly																																		
		Escherichia coli (E.coli) cfu/100mL)	-	-	1,000	Quarterly																																		

		Electrical Conductivity (EC) (µS/cm)	-	1,700	2,000	Quarterly
L2	The soil absorption trench must have a minimum surface area of 5,000m ² .					
L3	Monitoring required by condition L1 must be undertaken during periods that are generally representative of typical effluent disposal activities .					
L4	The irrigation rate monitoring required by condition L1 must be calculated based on the total area irrigated on that day , and the actual volume of effluent irrigated on that same day .					
L5	Mean calculations required by condition L1 must be taken as a Long-Term Rolling Limit, meaning a limit applied to consecutive monitoring results taken over a 6-month period (on a rolling basis for limit calculations) when monitored at the minimum frequency specified in <i>Table 9 - Contaminant limits for releases to land</i> .					
L6	Volume monitoring required by condition L1 and G1 must be undertaken using a flow meter or another method agreed to in writing by the administering authority .					
L7	Ponding of effluent within the soil absorption trench must not occur.					
L8	Soil structure must not be degraded as a result of the activity .					
L9	Pest Management A pest management program must be developed, implemented and maintained to protect the treatment ponds and soil absorption trench from pest species. This must include the following: (a) installation of rabbit proof fencing to prevent access to the treatment ponds; and (b) monthly inspections of the site to detect pest species activity; and (c) implementation of control measures upon detection of pest species.					
L10	Vegetation Clearing Matter of State environmental significance (MSES) vegetation must be retained on site except where removal is required to construct the treatment ponds, soil absorption trench and ancillary infrastructure.					
L11	The habitat values at the site must be improved by undertaking revegetation that supports the remnant ecosystems on-site .					
L12	Third party re-use Effluent may be removed from the site and provided to a person with the written consent of that person.					

L13	Records of treated effluent removed from the site and supplied to a person must be made and include the following: (a) the person the effluent was supplied to; and (b) the Escherichia coli (E.coli) (cfu/100mL) concentration of the effluent supplied; and (c) the volume of effluent supplied; and (d) the mode of effluent transport of the effluent supplied; and (e) the property (address and lot on plan) where the supplied effluent was released; and (f) the date the effluent was supplied.
L14	Immediately upon the request of the administering authority, you must cease providing effluent to a person.
Agency interest: Waste	
Condition number	Condition
W1	Dewatering and/or storing of any sludge generated by the activity must be undertaken in an area which provides an impervious barrier to land and waters.

Schedule 3c: Gravel Pit 450

In addition to the conditions in Schedule 2, the environmentally relevant activity conducted at the location as described below must be conducted in accordance with the following site specific conditions of approval.

ERA	SITE NAME	ERA LOCATION				
		ADDRESS	LOT/PLAN	ROAD RESERVE	CENTROID LATITUDE	CENTROID LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	Gravel Pit 450	-	Lot 53 SP253460	-	-26.4086	146.2490
					-26.4077	146.2495
					-26.4079	149.2503
					-26.4087	146.2501

Agency interest: General																	
Condition number	Condition																
G1	Activities authorised under Schedule 3c of this environmental authority must be conducted in accordance with the following limitations:																
	1. Extraction and screening activities must not exceed 100,000t/yr																
	2. Activities must only be carried out within the defined area in <i>Table 1 – Gravel Pit 450 extraction area</i> .																
	Table 1 – Gravel Pit 450 extraction area																
	<table><tr><th>Point reference</th><th>Latitude*</th><th>Longitude*</th></tr><tr><td>1</td><td>-26.4086</td><td>146.2490</td></tr><tr><td>2</td><td>-26.4077</td><td>146.2495</td></tr><tr><td>3</td><td>-26.4079</td><td>149.2503</td></tr><tr><td>4</td><td>-26.4087</td><td>146.2501</td></tr></table>	Point reference	Latitude*	Longitude*	1	-26.4086	146.2490	2	-26.4077	146.2495	3	-26.4079	149.2503	4	-26.4087	146.2501	
Point reference	Latitude*	Longitude*															
1	-26.4086	146.2490															
2	-26.4077	146.2495															
3	-26.4079	149.2503															
4	-26.4087	146.2501															
G2	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.																
G3	You must record the following details for all environmental complaints received: 1. date and time complaint was received 2. name and contact details of the complainant when provided and authorised by the complainant 3. nature of the complaint 4. investigations undertaken 5. conclusions formed 6. actions taken.																
G4	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.																

Agency interest: Noise	
Condition number	Condition
N1	Blasting or the generation of substantial low frequency noise is not permitted.
Agency interest: Water	
Condition number	Condition
WT1	Stormwater runoff from disturbed areas of the site , generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 5 years must be retained on site or managed to remove contaminants prior to release.
Agency interest: Waste	
Condition number	Condition
W1	All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.

Schedule 3d: Old Chinaman's Gravel Pit

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

ERA	SITE NAME	ERA LOCATION				
		ADDRESS	LOT/PLAN	ROAD RESERVE	CENTROID LATITUDE	CENTROID LONGITUDE
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	Old Chinaman's Gravel Pit	Warrego Highway, CHARLEVILLE	Lot 53 SP253460	-	-26.417384	146.269126
					-26.419943	146.271762
					-26.418702	146.273253
					-26.414940	146.269403

Agency interest: General

Condition number	Condition															
G1	Activities authorised under Schedule 3d of this environmental authority must be conducted in accordance with the following: a) extraction and screening activities must not exceed 100,000t/yr; and b) maximum disturbance size must not exceed 9.5 hectares; and c) activities must only be carried out within the area defined in <i>Table 1 – Extent of Old Chinaman’s Gravel Pit extraction area</i>. Table 1 – Extent of Old Chinaman’s Gravel Pit extraction area <table><tr><th>Point reference</th><th>Latitude*</th><th>Longitude*</th></tr><tr><td>1</td><td>-26.417384</td><td>146. 269126</td></tr><tr><td>2</td><td>-26.419943</td><td>146. 271762</td></tr><tr><td>3</td><td>-26.418702</td><td>149. 273253</td></tr><tr><td>4</td><td>-26.414940</td><td>146. 269403</td></tr></table> *Datum GDA94 Zone 55 d) activities must only be carried out within the boundary shown in <i>Appendix 1b: Old Chinaman’s Gravel Pit</i>.	Point reference	Latitude*	Longitude*	1	-26.417384	146. 269126	2	-26.419943	146. 271762	3	-26.418702	149. 273253	4	-26.414940	146. 269403
Point reference	Latitude*	Longitude*														
1	-26.417384	146. 269126														
2	-26.419943	146. 271762														
3	-26.418702	149. 273253														
4	-26.414940	146. 269403														
G2	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused, or likely to be caused, by the activities .															
G3	Unless specifically authorised by a condition of this environmental authority, this environmental authority does not authorise a relevant act which is: a) an act that causes serious or material environmental harm or an environmental nuisance; or b) an act that contravenes a noise standard; or c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG of the <i>Environmental Protection Act 1994</i>.															
G4	Contravention of conditions Unless specifically authorised by a condition of this environmental authority, details of any contravention of a condition of this environmental authority must: a) be reported to the administering authority within 24 hours of becoming aware of the contravention; and b) include the nature and circumstances of the contravention and any immediate actions taken.															

G5	Complaints The following details must be recorded for all complaints received and provided to the administering authority upon request: a) date and time the complaint was received; and b) if authorised by the person making the complaint, their name and contact details; and c) nature and details of the complaint.				
G6	As soon as reasonably practicable but no later than 5 business days of receiving a complaint (or a longer period agreed to in writing by the administering authority), an investigation must be undertaken to determine: a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and b) reasonable and practicable measures that will be implemented to address the complaint.				
G7	As soon as reasonably practicable but no later than 5 business days of investigating a complaint under condition G6 (or a longer period agreed to in writing by the administering authority), the reasonable and practicable measures identified in the investigation must be implemented.				
G8	The outcome of the investigation carried out under condition G6 and the reasonable and practicable measures implemented under condition G7 must be recorded.				
G9	Environmental risk management procedures Written procedures must be developed and implemented by an appropriately qualified person that ensure: a) all potential risks to the environment from the carrying out of the activity are identified and assessed, including: i) during routine operations; and ii) outside routine operations (e.g., maintenance, start up and shut down); and iii) during preparation, rehabilitation, and closure; and iv) in an emergency (e.g., fire, flood or other natural disaster); and b) for each potential risk identified, any necessary measures to prevent or minimise the potential for environmental harm are implemented; and c) staff understand their obligations under this environmental authority and the <i>Environmental Protection Act 1994</i>; and d) environmental risk management procedures are continually reviewed and improved, based on a reasonable risk-management approach.				
G10	Plant and equipment An appropriately qualified person must install, operate, calibrate, and maintain the plant and equipment required to carry out the activity (including monitoring devices) in a proper and effective manner.				
G11	Records of installation, calibration and maintenance carried out under condition G7.0 must be kept.				
G12	Record keeping Unless otherwise specified by a condition of this environmental authority, records must be: a) kept for the period outlined in <i>Table 2 – Record keeping requirements</i>; and b) provided to the administering authority upon request and in the format requested. Table 2 – Record keeping requirements <table> <tr> <th>Description of records</th><th>Retention requirement</th></tr> <tr> <td>Monitoring results</td><td>Retain for 15 years</td></tr> </table>	Description of records	Retention requirement	Monitoring results	Retain for 15 years
Description of records	Retention requirement				
Monitoring results	Retain for 15 years				

		All other records	Retain for 5 years
G13	Chemical storage Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .		
G14	Speed Limit on Internal Quarry Roads The holder of this environmental authority must ensure that all vehicles operating within the quarry site adhere to a maximum speed limit of 20 kilometres per hour on internal quarry roads to minimise the risk of wildlife mortality. Speed limits must be clearly signposted at all entry points and along internal quarry roads at regular intervals.		
G15	Wildlife Warning Signage The holder of this environmental authority must install and maintain appropriate signage at all entry points and along internal quarry roads to warn drivers of the potential presence of Yakka Skinks and other wildlife on roads.		
G16	Driver Education Program The holder of this environmental authority must develop and implement an educational program for all truck drivers and other vehicle operators accessing the quarry site . The program must include, but is not limited to: a) information on the presence and conservation significance of the Yakka Skink and other local wildlife . b) guidance on recognising and avoiding wildlife on internal quarry roads. c) the importance of adhering to speed limits and being vigilant for wildlife .		
G17	Wildlife Mortality Monitoring and Reporting The holder of this environmental authority must monitor and record any wildlife mortality events within the quarry site and along internal quarry roads.		
G18	A record of any wildlife mortality events, including the species affected, date, location, and any contributing factors, must be maintained and made available to the administering authority upon request.		
G19	If a mortality event involving a Yakka Skink occurs, the holder must notify the administering authority within 24 hours and implement additional mitigation measures as directed.		
Agency interest: Air			
Condition number	Condition		
A1	Airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place .		
Agency interest: Water			
Condition number	Condition		
WT1	Contaminants from the activity must not be released to any waters .		
WT2	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.		

Agency interest: Noise	
Condition number	Condition
N1	Noise generated by the activities must not cause environmental nuisance to any sensitive place or commercial place .
N2	Blasting is not permitted.
Agency interest: Land	
Condition number	Condition
L1	Contaminants from the activities must not be released to land .
L2	When carrying out the activities, the holder of this environmental authority must: a) avoid, minimise, or mitigate (in that order of preference) where possible any impacts on native vegetation and other areas of ecological value; and b) implement all reasonable and practicable measures to minimise both the extent and duration of soil disturbance.
L3	Vegetation Clearing Vegetation clearing must occur progressively as works in new areas are commenced.
L4	All vegetation clearing must be undertaken under the direction of an appropriately qualified person with experience as a fauna spotter-catcher, to ensure protection of wildlife species during the vegetation clearing .
L5	Spotter Catcher Requirements The spotter catcher must: a) conduct pre- clearing surveys to identify and safely relocate any fauna present within the clearing area; and b) be present during all clearing activities to monitor for and safely relocate any displaced wildlife ; and c) maintain a record of: i) the areas cleared, ii) all wildlife encountered and relocated, iii) relocation methodology used, iv) relocation site details; and iv) any wildlife injured or killed during clearing activities.
L6	Report detailing the information required under condition L5 must be prepared and provided to the administering authority upon request.
L7	Topsoil, Rocks and Woody Debris Management The holder of this environmental authority must ensure that topsoil , rocks and woody debris (including any hollow-bearing trees) from cleared areas are carefully collected and stored for use in future site rehabilitation activities.
L8	Topsoil must be stockpiled in a manner that preserves its biological and structural integrity, including: a) limiting stockpile height to a maximum of 2 metres to prevent compaction and maintain soil health; and b) ensuring stockpiles are stabilised to prevent erosion and loss of material; and c) woody debris, including any hollow-bearing trees , that have been felled as a result of the clearing must be stored in a designated area and managed to prevent fire risk and pest infestations; and

	d) the stored topsoil , rocks and woody debris, including any hollow-bearing trees , must be used in site rehabilitation activities required under condition L9 and L12, to restore habitat for local flora and fauna.
L9	Progressive Rehabilitation Rehabilitation of all areas disturbed as a result of activities authorised under Schedule 3d of this environmental authority must occur progressively as works in disturbed areas cease and new areas are commenced.
L10	Progressive rehabilitation must include the stabilisation of disturbed landforms to minimise erosion and ensure stability.
L11	Progressive rehabilitation works must commence as soon as practicable after extraction works in a disturbed area are completed.
L12	Final Site Rehabilitation Final rehabilitation of all areas disturbed by activities under Schedule 3d of this environmental authority must be completed within 12 months of the cessation of all extraction activities at the site , unless otherwise approved by the administering authority .
L13	The final rehabilitation required under condition L12 must ensure that: a) suitable native species of vegetation for the location are established and sustained, free of declared pest species , and consistent with the mapped regional ecosystem ; and b) habitat values are recreated at the site by redistributing stored topsoil, rocks and woody debris, including any hollow-bearing trees, to enhance habitat complexity and support native vegetation regrowth; and b) the landform is stable, with erosion potential minimised; and c) the top layer of the soil profile is reinstated to match the surrounding soil conditions; and d) the quality of water, including seepage, released from the site does not cause environmental harm; and e) the water quality of any residual water body does not have the potential to cause environmental harm; and f) environmental nuisance caused by dust is minimised.
L14	Monitoring and Reporting Once extraction activities in an area have ceased, the holder of this environmental authority must undertake annual monitoring of the progress of progressive rehabilitation works, and monitoring must include: a) vegetation establishment, including species composition, growth rates, and the absence of declared pest species ; and b) landform stability and erosion control measures ; and c) water quality monitoring of any water bodies or seepage; and d) all monitoring and reporting may be undertaken by suitably experienced Council officers or a third-party consultant(s) (where required).
L15	An annual rehabilitation progress report must be prepared and submitted to the administering authority upon request, and detail the outcomes of monitoring and any corrective actions undertaken.
L16	Prior to undertaking clearing, the holder of this environmental authority must provide and maintain eight nesting boxes at one or more of the following locations: a) the riparian strip alongside the Warrego River; or b) the State Land Parcel – Lot 61 on Plan W5325; or c) alternative locations recommended by an appropriately qualified person .

L17	Nesting boxes must be monitored and maintained for a minimum of five years following installation.
Agency interest: Waste	
Condition number	Condition
W1.1	All waste generated in carrying out the activities must be reused, recycled or lawfully disposed of offsite.

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

Administering authority means the Department of the Environment, Tourism, Science, and Innovation or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Ancillary infrastructure means the solar array, access tracks and groundwater monitoring bores. It does not include the bund wall.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response.

Blasting is the use of explosives to fracture:

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a **site** or for reuse.

Clearing means to remove, cut down, ringbark, push over, poison or destroy in any way including by burning, or lopping a tree or vegetation.

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 of a calendar day.

Declared pest species means species listed as:

- 'prohibited matter' or 'restricted matter' species under the *Biosecurity Act 2014*; or
- 'Weeds of National Significance' under the Australian Weeds Strategy 2017–2027.

Design Average Dry Weather Flow (DADWF) means the average dry weather flow of the maximum design capacity of the sewage treatment plant.

Disturbed areas means areas disturbed by the carrying out of the activity including areas:

- a) that are susceptible to erosion; and/or
- b) that are contaminated by the activity; and/or
- c) upon which stockpiles of soil or other materials are located.

Down-gradient bore means a bore in a location hydraulically down-gradient from those aspects of the **activity** that may affect **groundwater** quality.

Effluent means the liquid fraction of treated sewage.

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

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

Flow meter means an instrument that accurately and reliably quantifies bulk fluid movement.

GDA means Geocentric Datum of Australia.

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

Hollow-bearing tree means a tree, either living or dead, that contains one or more natural hollows, cavities, or crevices formed through processes such as decay, weathering, or damage. These hollows provide critical habitat for a range of wildlife species, including birds, mammals, reptiles, and insects, offering shelter, nesting, and breeding sites.

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than 1 hour when the approved **activity** is causing an intermittent noise.

Land means any land, whether above or below the ordinary high-water mark at spring tides (i.e. includes tidal land).

$MaxL_{pA,T}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

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

Monitor, monitored and monitoring means monitoring the impact of an **activity** on the receiving environment and includes analysing, assessing, examining, inspecting, measuring, modelling or reporting any of the following matters—

- (a) the quantity, quality, characteristics, timing and variability of the release of any contaminant; and
- (b) the effectiveness of any control measure; and
- (c) the characteristics of, and impact on, the receiving environment; and
- (d) the effectiveness of remedial or rehabilitation measures (if applicable to the relevant monitoring requirement).

NATA means National Association of Testing Authorities.

Nesting boxes mean an artificial structure specifically designed to provide suitable nesting and roosting habitat for the wildlife. The nest box must meet the following specifications to accommodate the Major Mitchell's Cockatoo's ecological requirements:

- a) the internal dimensions of the nest box must provide adequate space for the Major Mitchell's Cockatoo, with a minimum internal depth of 50 cm, a width of 30 cm, and a height of 60 cm.
- b) the entrance hole must be circular, with a diameter of 12–15 cm, to allow access for the species while minimising entry by larger animals or predators.
- c) the nest box must include a roughened internal surface or a ladder to assist the birds in entering and exiting the box.
- d) the nest boxes must be installed on a suitable tree, preferably a large eucalypt, at a height of 4–6 metres above the ground to mimic the natural nesting preferences of the species.
- e) the entrance hole should face away from prevailing winds and direct sunlight to provide protection from weather conditions.
- f) the nest boxes must be securely fastened to the tree using non-invasive methods that do not damage the tree.

Records include any written procedures, plans, **monitoring** results, and monitoring programs required under a condition of this environmental authority.

Release of a contaminant into the environment means to:

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

Remnant ecosystems on-site means the following remnant ecosystems (RE):

- (a) RE 6.7.11: *Acacia harpophylla* shrubland on fine-grained sedimentary rocks
 - i. Description: *Acacia harpophylla* predominates forming a distinct but discontinuous canopy (4-6m high). A well-developed tall shrub/low tree layer dominated by species such as *Eremophila mitchellii*, *Lysiphyllum carronii* and *Geijera parviflora* is present and some emergent *Eucalyptus spp.* (10-12m high) may occur. Scattered low shrubs are usually present and may form a distinct layer. The ground layer is variable and composed of grasses and some forbs. Includes open areas with sparse to little vegetation on scalded stony areas. Occurs on gently undulating plains formed from Cainozoic to Proterozoic consolidated, fine-grained sediments. Soils are moderately deep to deep, medium to heavy, brown and grey cracking clays with thin surface crusts. Not a Wetland
 - ii. Special values: Potential habitat for NCA listed species: *Cadellia pentastylis*
- (b) RE 11.9.11: *Acacia aneura* +/- *Eucalyptus cambageana*, *E. thozetiana*, *Eremophila latrobei* tall shrubland on lateritic residuals
 - i. Description: *Acacia aneura* tall shrubland. Emergent *Eucalyptus cambageana* or *E. thozetiana* commonly occur. A low shrub layer, dominated by *Eremophila latrobei*, usually occurs. The ground layer is sparse and composed mainly of tussock grasses. Occurs on flat to undulating crests of dissected Tertiary sandstone ranges sometimes with a superficial covering of Quaternary sands. The soils are shallow to very shallow, red earths and lithosols. Silcrete and gravel are abundant on the surfaces of ridges and hills. Not a Wetland.

Regional ecosystem refers to the vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil as mapped according to the Regional Ecosystem Description Database and QueenslandGlobe, where not specified below:

- a) within Old Chinaman's Gravel Pit on Lot 53 Plan SP1 – RE 6.5.10 described as *Acacia aneura* +/- *Eucalyptus populnea*, *Grevillea striata*, *A. excelsa* low woodland on sand plains in the east.

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

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 2004* 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 2019.

Sludge means any residual, semi-solid material that is produced as a by-product from the **activity**.

Soil absorption trench means the absorption trench identified in *Appendix 1: Augathella STP Upgrade, General Arrangement Plan, C-RD-600, Revision 2, 16 April 2025* and within the boundaries of the following GPS co-ordinates:

GPS Coordinates: GDA2020, MGA2020, Zone 55		
Waypoint	Easting	Northing
1	458020.278	7145643.203
2	458026.331	7145619.359
3	458079.644	7145660.022
4	458092.492	7145639.043
5	458155.810	7145756.832
6	458162.968	7145759.070
7	458179.276	7145747.320

Site means the lot on plans identified as being approved for the carrying out of the **activity** as listed on the first page of this environmental authority, and in relation to extractive and screening activities also comprise all works required to undertake the extractive and screening activity and may include —

- (a) stockpiles;
- (b) hardstand areas;
- (c) chemical or fuel storage areas;
- (d) any associated infrastructure; and
- (e) voids.

Topsoil means the surface (top) layer of a soil profile, which is more fertile, darker in colour, better structured and supports greater biological activity than underlying layers. The surface layer may vary in depth depending on soil forming factors, including parent material, location and slope, but generally is not greater than about 300 mm in depth from the natural surface.

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.

Treatment ponds mean the facultative and maturation ponds.

Trigger values are physicochemical, biological, or other parameter-specific measurement values used to indicate where an **environmental value** is at risk of environmental harm.

Up-gradient bore means a bore, in a location hydraulically up gradient from those aspects of the **activity** that may affect **groundwater** quality.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurement, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a sensitive place exceeding 55 dB(Z).

Void means any human made, open excavation in the ground (includes gravel pits, borrow pits and trenches).

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.

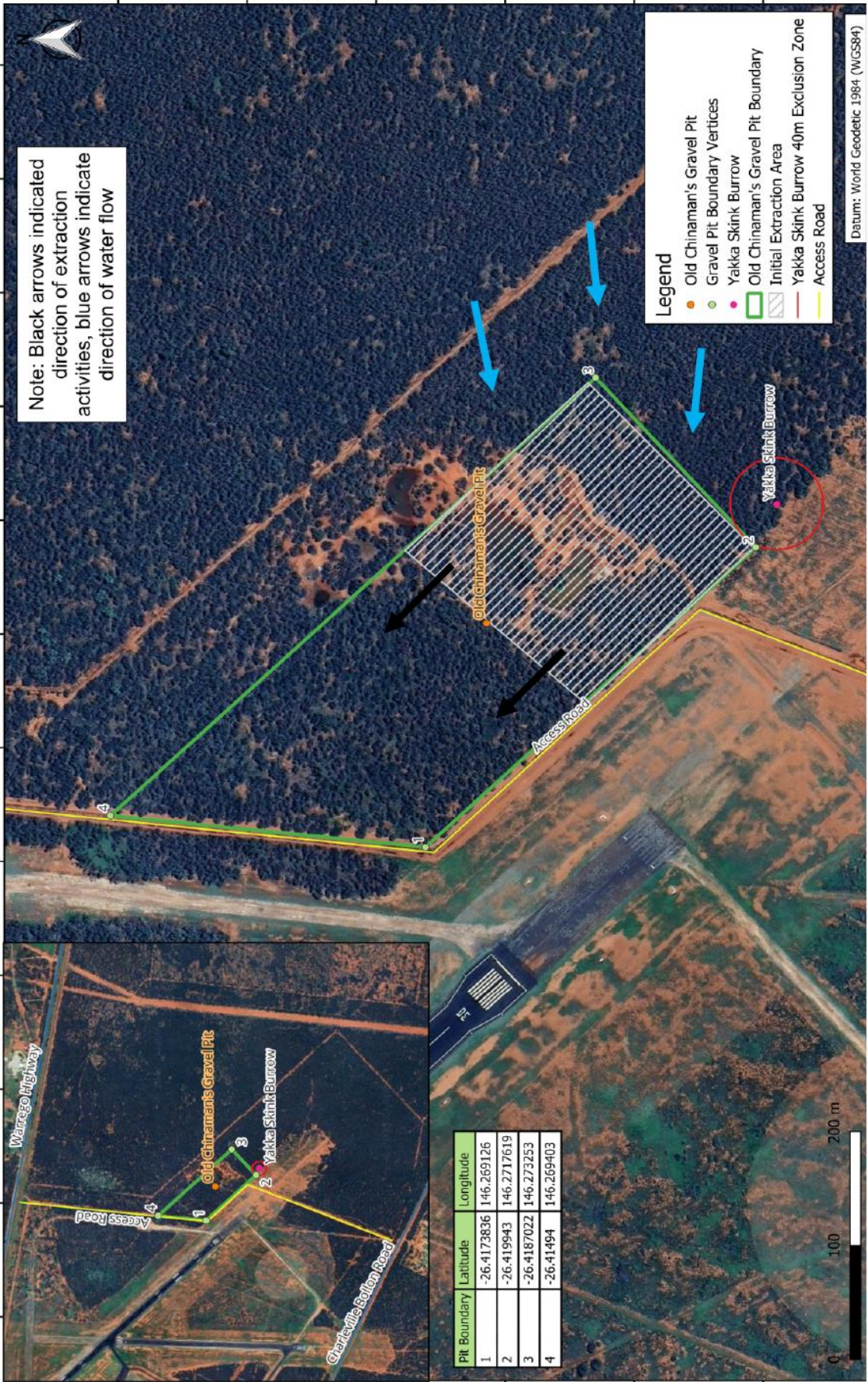
Wildlife means any animal, plant, or other organism that is native to Australia, including migratory species, and is part of the natural ecosystem. This includes species that are least concern species, near threatened, vulnerable, endangered, or critically endangered.

Year means a calendar year.

You means the holder of the environmental authority.

24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 7.09 mm/hour. The rainfall depth for this event is therefore 24 hour x 7.09 mm/hour = 170.16 mm.

Appendix 1b: Old Chinaman's Gravel Pit



Appendix 2

- Eligibility criteria and standard conditions for extracting material (ERA 16) – Version 2.

Appendix 3

- Eligibility criteria and standard conditions for screening (more than 100,000 tonnes but not more than 1 million tonnes of material in a year) (ERA 16) – Version 2.

END OF ENVIRONMENTAL AUTHORITY

Eligibility criteria and standard conditions for extracting material (ERA 16) – Version 2

This document provides eligibility criteria and standard conditions for Environmentally Relevant Activity (ERA) 16 - Extractive and screening activities at threshold 2a - extracting 5000 tonnes to 100,000 tonnes of material in a year.

Eligibility criteria

Eligibility criteria are constraints set to ensure environmental risks associated with the operation of the ERA are able to be managed by the standard conditions. Eligibility criteria set out the circumstances in which a standard or variation application for an environmental authority can be made.

Standard conditions

Standard conditions are the minimum operating requirements an environmental authority holder must comply with.

Standard applications

If an applicant can meet all of the eligibility criteria and standard conditions, then they can make a standard application. Applicants are required to complete a 'Standard application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Variation applications

If an applicant can meet all of the eligibility criteria but needs to vary one or more of the standard conditions to suit their operational needs, then they can make a variation application. Applicants are required to complete a 'Variation application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Site specific applications

Applicants who cannot meet the eligibility criteria must make a site specific application. Applicants are required to complete a 'Site specific application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Amendment applications

If the holder of an environmental authority needs to amend a standard condition in the issued environmental authority, then the holder must submit an 'Amendment application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Definitions

Some terms used in this document are defined in Appendix 1.

Version history

Version	Date	Description of changes
1	6 December 2013	Eligibility criteria and standard conditions take effect
2	30 September 2015	Updated for repeal of wild river provisions (as allowed in section 715C of the <i>Environmental Protection Act 1994</i>) and version history added
2	15 August 2016	Added publication number ESR/2015/1711

Eligibility criteria and standard conditions
Extracting material (ERA 16)

Eligibility criteria

Eligibility criteria category	Eligibility criteria
Activity description	The quantity of material extracted does not exceed 100,000 tonnes per year.
Activity location	The facility is not within 1000 metres of: • a dwelling, residential allotment, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises • a kindergarten, school, university, library, childcare centre or other educational institution • a medical centre or hospital • a protected area under the <i>Nature Conservation Act 1992</i> • a public park or gardens unless the facility is only for the extraction of material for the construction or maintenance of rail transport infrastructure and roads and those residing at any of the above places, or the landowner where there are no residents, have agreed in writing to the facility.
	The facility is not in any category A or B environmentally sensitive area.
	The facility is not in a designated precinct in a strategic environmental area as defined in the Regional Planning Interests Regulation 2014 or regional plan.
	The facility is not within 100 metres of any watercourse, wetland or spring.
	The maximum area of extraction workings is 5.0 hectares.
Activity operations	The combustion of fuel, other than natural gases, does not exceed 500 kilograms per hour.
Water	There is no release of aqueous waste from the activity to waters.
Groundwater	The activity will not impact on the level of groundwater or on groundwater quality at or adjacent to the location where it is conducted.

Standard conditions

Conditions
General
G1: All reasonable steps must be taken to ensure the activity complies with the eligibility criteria.
G2: The activity must be undertaken in accordance with written procedures that: • identify potential risks to the environment from the activity during routine operations and emergencies • establish control measures that minimise the potential for environmental harm • ensure plant and equipment is maintained and operated in proper and effective condition • ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i> • ensure that reviews of environmental performance are undertaken at least annually.
G3: The activity must not cause environmental nuisance at a nuisance sensitive place.
G4: The activity must not cause the release of dust or particulates that cause environmental nuisance beyond the boundary of the site.
G5: 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.
Land
L1: Contaminants from the activity must not be released to land.
L2: As soon as practicable after completion of operational work land disturbed by the activity must be rehabilitated to achieve the following: 1. the land is safe for humans and fauna 2. the land has no subsidence or erosion gullies following completion of the rehabilitation 3. there is no ongoing contamination to waters 4. the maintenance requirements for the land are no greater than for the land before it was disturbed.
L3: Acid sulphate soils, acid-producing rock and marine sediments must not be processed.
Noise and Vibration
N1: The activity must not cause audible noise (a) on a business day or Saturday, before 7am or after 7pm (b) on any other day, before 8am or after 7pm at any of the following places: • a dwelling, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises • a kindergarten, school, university, library, childcare centre or other educational institution • a medical centre or hospital.
N2: Blasting operations must comply with the following: 1. a blast management plan must be developed for each blasting activity in accordance with Australian Standard 2187 2. the airblast overpressure is less than 115dB Z Peak for 4 out of any 5 consecutive blasts

Eligibility criteria and standard conditions
Extracting material (ERA 16)

3. the airblast overpressure is less than 120dB Z Peak for all blasts
4. the ground vibration is not: (i) for vibrations of more than 35Hz—more than 25 millimetres (mm) a second ground vibration, peak particle velocity (ii) for vibrations of no more than 35Hz—more than 10mm a second ground vibration, peak particle velocity.
Water
W1: Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.
W2: Ponds used for the storage or treatment of aqueous waste must be constructed, installed and maintained to: • prevent any release of aqueous waste from the ponds • ensure the stability of the pond structure.
W3: Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W4: The stormwater runoff from the facility generated by a 24 hour storm event with an average recurrence interval of one in five years must be retained on site and treated to remove contaminants before release.
Waste
R1: All waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.

Appendix 1: Terms and definitions

Term	Definition
Activity	the environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.
Aqueous waste	any aqueous waste including process water, water that has otherwise been used in the carrying out of the activity or sewage, whether or not the waste has been treated, but excluding stormwater and water used for dust suppression that has been treated to remove contaminants.
Audible noise	means noise that can be clearly heard by an individual who is an occupier at a place listed in condition N1.
Australian Standard 2187	Australian Standard AS 2187.2- 2006 Explosives – Storage, transport and use – use of explosives.
Category A or B environmentally sensitive area	as defined in Schedule 12, Part 1 of the Environmental Protection Regulation 2008.
Chemical	as defined in Schedule 12, Part 2 of the Environmental Protection Regulation 2008.
Combustion of fuel	does not include fuel used in explosives or by vehicles.
Contaminant(s)	as defined in Section 11 of the <i>Environmental Protection Act 1994</i> .
Environmental harm	as defined in Section 14 of the <i>Environmental Protection Act 1994</i> .
Environmental nuisance	as defined in Section 15 of the <i>Environmental Protection Act 1994</i> .
Extraction workings	extraction workings means an area from which quarry material or overburden has been extracted, or on which product or waste rock is stored and that has not been rehabilitated in accordance with condition L2
Facility	the area used for carrying out the ERA including any buildings, disturbed areas or any associated infrastructure.
Land	land excluding waters and the atmosphere. Land includes land on the authorised place.
Maintenance	as defined in Schedule 6 of the <i>Transport Infrastructure Act 1994</i> .
Minimise	minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters: (a) the nature of the harm or potential harm (b) the sensitivity of the receiving environment (c) the current state of technical knowledge for the activity (d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects (e) the financial implications of the different measures as they would relate to the type of activity (f) if the adverse effect is caused by the location of the activity being carried out, whether it is feasible to carry out the activity at another location.
Nuisance sensitive place	nuisance sensitive place includes: • within or outside of a dwelling, residential allotment, mobile home or caravan park,

Eligibility criteria and standard conditions

Extracting material (ERA 16)

	residential marina or other residential premises • within or outside of a motel, hotel or hostel • within or outside of a kindergarten, school, university or other educational institution • within or outside of a medical centre or hospital • within a protected area under the <i>Nature Conservation Act 1992</i>, within a marine park under the <i>Marine Parks Act 1992</i> or a world heritage area • within a public thoroughfare, park or gardens • within or outside of 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.
Rail transport infrastructure	as defined in Schedule 6 of the <i>Transport Infrastructure Act 1994</i> .
Road	as defined in section 93 of the <i>Land Act 1994</i>
Spring	the land to which water rises naturally from below the ground and the land over which the water then flows.
Waters	all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and underground water.
Watercourse	as defined in Section 8, Schedule 12 of the Environmental Protection Regulation 2008.
Wetland	as defined in Schedule 12 of the Environmental Protection Regulation 2008, means an area shown as a wetland on the map of referable wetlands.

Appendix 2: General obligations for environmental authority holders

This appendix is not intended to provide a comprehensive assessment of all obligations under Queensland law. It provides some general information and holders are encouraged to familiarise themselves with all requirements related to their specific operation.

Responsibilities under the *Environmental Protection Act 1994*

Separate to the requirements of the standard conditions, the holder of the environmental authority must also meet their obligations under the *Environmental Protection Act 1994*, and the regulations made under that Act. For example, the holder must be aware of the following provisions of the *Environmental Protection Act 1994* which may apply unless the environmental harm is authorised by the conditions of the environmental authority.

General environmental duty

Section 319 of the *Environmental Protection Act 1994* states that we all have a general environmental duty. This means that we are all responsible for the actions we take that affect the environment. We must not carry out any activity that causes or is likely to cause environmental harm unless we take all reasonable and practicable measures to prevent or minimise the harm. To decide what meets your general environmental duty, you need to consider:

- the nature of the harm or potential harm
- the sensitivity of the receiving environment
- the current state of technical knowledge for the activity
- the likelihood of successful application of the different measures to prevent or minimise environmental harm that might be taken
- the financial implications of the different measures as they would relate to the type of activity.

It is not an offence not to comply with the general environmental duty. However, maintaining your general environmental duty is a defence against the following acts:

- (a) an act that causes serious or material environmental harm or an environmental nuisance
- (b) an act that contravenes a noise standard
- (c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG.

More information is available on the Department of Environment and Heritage Protection website www.ehp.qld.gov.au.

Duty to notify

Section 320 of the *Environmental Protection Act 1994* explains the duty to notify. The duty to notify applies to all persons and requires a person or company to give notice where serious or material environmental harm is caused or threatened. Notice must be given of the event, its nature and the circumstances in which the event happened. Notification can be verbal, written or by public notice depending on who is notifying and being notified.

The duty to notify arises where:

- a person carries out activities or becomes aware of an act of another person arising from or connected to those activities which causes or threatens serious or material environmental harm
- while carrying out activities a person becomes aware of the happening of one or both of the following events:
 - o the activity negatively affects (or is reasonably likely to negatively affect) the water quality of an aquifer
 - o the activity has caused the unauthorised connection of 2 or more aquifers.

For more information on the duty to notify requirements refer to the guideline 'Duty to notify of environmental harm' (EM467).

Some relevant offences under the *Environmental Protection Act 1994*

Non-compliance with a condition of an environmental authority (section 430)

Section 430 of the *Environmental Protection Act 1994* requires that a person who is the holder of, or is acting under, an environmental authority must not wilfully contravene, or contravene a condition of the authority.

Environmental authority holder responsible for ensuring conditions complied with (section 431)

Section 431 of the *Environmental Protection Act 1994* requires that the holder of an environmental authority must ensure everyone acting under the authority complies with the conditions of the authority. If another person acting under the authority commits an offence against section 430, the holder also commits an offence, namely, the offence of failing to ensure the other person complies with the conditions.

Causing serious or material environmental harm (sections 437–39)

Material environmental harm is when the harm is not trivial or negligible in nature. Serious environmental harm is harm that is irreversible, of a high impact or widespread, or that is caused to an area of high conservation value or special significance. Damages, or costs required to rehabilitate the environment, of over \$5000 also constitute serious environmental harm.

Serious or material environmental harm excludes environmental nuisance.

Causing environmental nuisance (section 440)

Environmental nuisance is unreasonable interference with an environmental value caused by aerosols, fumes, light, noise, odour, particles or smoke. It may also include an unhealthy, offensive or unsightly condition because of contamination.

Depositing a prescribed water contaminant in waters (section 440ZG)

Prescribed contaminants include a wide variety of contaminants listed in Schedule 9 of the *Environmental Protection Act 1994*.

It is your responsibility to ensure that prescribed contaminants are not left in a place where they may or do enter a waterway, the ocean or a stormwater drain. This includes making sure that stormwater falling on or running across your site does not leave the site contaminated. Where stormwater contamination occurs you must ensure that it is treated to remove contaminants. You should also consider where and how you store material used in your processes onsite to reduce the chance of water contamination.

Placing a contaminant where environmental harm or nuisance may be caused (section 443)

A person must not cause or allow a contaminant to be placed in a position where it could reasonably be expected to cause serious or material environmental harm or environmental nuisance.

Some of the relevant offences under the *Waste Reduction and Recycling Act 2011*

Littering (section 103)

Litter is any domestic or commercial waste and any material a person might reasonably believe is refuse, debris or rubbish. Litter can be almost any material that is disposed of incorrectly. Litter includes cigarette butts and drink bottles dropped on the ground, fast food wrappers thrown out of the car window, poorly secured material from a trailer or grass clippings swept into the gutter. However, litter does not include any gas, dust, smoke or material emitted or produced during, or because of, the normal operations of a building, manufacturing, mining or primary industry.

Illegal dumping of waste (section 104)

Illegal dumping is the dumping of large volumes of litter (200 litres or more) at a place. Illegal dumping can also include abandoned vehicles.

Relevant offence under the Environment Protection (Waste Management) Regulation 2000

Trackable waste to be given only to licensed transporter (section 41)

A generator of trackable waste must not give the waste to another person to transport it commercially, or in a load of more than 250 kilograms, in a vehicle unless the other person holds, or is acting under, the required authority for transporting the waste in the vehicle.

Responsibilities under other legislation

An environmental authority pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any additional approval for the activity that might be required by other state and/or Commonwealth legislation. Other legislation for which a permit may be required includes but is not limited to the:

- *Aboriginal Cultural Heritage Act 2003*
- contaminated land provisions of the *Environmental Protection Act 1994*
- *Fisheries Act 1994*
- *Forestry Act 1959*
- *Nature Conservation Act 1992*
- *Petroleum and Gas (Production and Safety) Act 2004 / Petroleum Act 1923*
- *Queensland Heritage Act 1992*
- *Sustainable Planning Act 2009*
- *Water Supply (Safety and Reliability) Act 2008*
- *Water Act 2000*.

Applicants are advised to check with all relevant statutory authorities and comply with all relevant legislation.

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

This document provides eligibility criteria and standard conditions for Environmentally Relevant Activity (ERA) 16 - Extractive and screening activities at threshold 3a - screening 5000 tonnes to 100,000 tonnes of material in a year.

Eligibility criteria

Eligibility criteria are constraints set to ensure environmental risks associated with the operation of the ERA are able to be managed by the standard conditions. Eligibility criteria set out the circumstances in which a standard or variation application for an environmental authority can be made.

Standard conditions

Standard conditions are the minimum operating requirements an environmental authority holder must comply with.

Standard applications

If an applicant can meet all of the eligibility criteria and standard conditions, then they can make a standard application. Applicants are required to complete a 'Standard application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Variation applications

If an applicant can meet all of the eligibility criteria but needs to vary one or more of the standard conditions to suit their operational needs, then they can make a variation application. Applicants are required to complete a 'Variation application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Site specific applications

Applicants who cannot meet the eligibility criteria must make a site specific application. Applicants are required to complete a 'Site specific application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Amendment applications

If the holder of an environmental authority needs to amend a standard condition in the issued environmental authority, then the holder must submit an 'Amendment application form'. The form can be downloaded from the Queensland Government's Business and Industry Portal at www.business.qld.gov.au/ea

Definitions

Some terms used in this document are defined in Appendix 1.

Version history

Version	Date	Description of changes
1	6 December 2013	Eligibility criteria and standard conditions take effect
2	30 September 2015	Updated for repeal of wild river provisions (as allowed in section 715C of the <i>Environmental Protection Act 1994</i>) and version history added
2	15 August 2016	Added publication number ESR/2015/1704

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

Eligibility criteria

Eligibility criteria category	Eligibility criteria
Activity description	The quantity of material screened does not exceed 100,000 tonnes per year.
Activity location	The facility is not within 1000 metres of: • a dwelling, residential allotment, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises • a kindergarten, school, university, library, childcare centre or other educational institution • a medical centre or hospital • a protected area under the <i>Nature Conservation Act 1992</i> • a public park or gardens unless the facility is only for the screening of material for the construction or maintenance of rail transport infrastructure and roads and those residing at any of the above places, or the landowner where there are no residents, have agreed in writing to the facility.
	The facility is not carried out in any category A or B environmentally sensitive area.
	The facility is not within 100 metres of any watercourse, wetland or spring.
	The facility is not in a designated precinct in a strategic environmental area as defined in the Regional Planning Interests Regulation 2014 or regional plan.
Air	The combustion of fuel, other than natural gases, does not exceed 500 kilograms per hour.
Water	There is no release of aqueous waste from the activity to waters.

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

Standard conditions

Conditions
General
G1: All reasonable steps must be taken to ensure the activity complies with the eligibility criteria.
G2: The activity must be undertaken in accordance with written procedures that: • identify potential risks to the environment from the activity during routine operations and emergencies • establish control measures that minimise the potential for environmental harm • ensure plant and equipment is maintained and operated in proper and effective condition • ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i> • ensure that reviews of environmental performance are undertaken at least annually.
G3: The activity must not cause environmental nuisance at a nuisance sensitive place.
G4: The activity must not cause the release of dust or particulates that causes environmental nuisance beyond the boundary of the site.
G5: 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.
Noise
N1: The activity must not cause audible noise (a) on a business day or Saturday, before 7.00am or after 7.00pm; or (b) on any other day, before 8.00am or after 7.00pm at any of the following places: • a dwelling, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises • a kindergarten, school, university, library, childcare centre or other educational institution • a medical centre or hospital.
Land
L1: Contaminants must not be released to land from the activity.
L2: Acid sulfate soils, acid producing rock and marine sediments must not be processed.
Water
W1: Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.
W2: Ponds used for the storage or treatment of aqueous waste must be constructed, installed and maintained to: • prevent any release of aqueous waste from the ponds • ensure the stability of the pond structure.
W3: Erosion and sediment control measures must be implemented and maintained to minimise erosion and the

Eligibility criteria and standard conditions

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

release of sediment.

W4: The stormwater runoff from the facility generated by a 24 hour storm event with an average recurrence interval of one in five years must be retained on site and treated to remove contaminants before release.

Waste

R1: All waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

Appendix 1: Terms and definitions

Term	Definition
Activity	the environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.
Aqueous waste	any aqueous waste including process water, water that has otherwise been used in the carrying out of the activity or sewage, whether or not the waste has been treated, but excluding stormwater and water used for dust suppression that has been treated to remove contaminants.
Audible noise	noise that can be clearly heard by an individual who is an occupier at a place listed in condition N1.
Category A or B environmentally sensitive area	as defined in Schedule 12, Part 1 of the Environmental Protection Regulation 2008.
Chemical	as defined in Schedule 12, Part 2 of the Environmental Protection Regulation 2008.
Contaminant(s)	as defined in Section 11 of the <i>Environmental Protection Act 1994</i> .
Combustion of fuel	does not include fuel used in explosives or by vehicles.
Environmental harm	as defined in Section 14 of the <i>Environmental Protection Act 1994</i> .
Environmental nuisance	as defined in Section 15 of the <i>Environmental Protection Act 1994</i> .
Facility	the area used for carrying out the ERA including any buildings, disturbed areas or any associated infrastructure.
Land	land excluding waters and the atmosphere. Land includes land on the authorised place.
Maintenance	as defined in Schedule 6 of the <i>Transport Infrastructure Act 1994</i> .
Minimise	minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters: (a) the nature of the harm or potential harm (b) the sensitivity of the receiving environment (c) the current state of technical knowledge for the activity (d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects (e) the financial implications of the different measures as they would relate to the type of activity (f) if the adverse effect is caused by the location of the activity being carried out, whether it is feasible to carry out the activity at another location.
Nuisance sensitive place	nuisance sensitive place includes: • within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises

Eligibility criteria and standard conditions

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

	• within or outside of a motel, hotel or hostel • within or outside of a kindergarten, school, university or other educational institution • within or outside of a medical centre or hospital • within a protected area under the <i>Nature Conservation Act 1992</i>, within a marine park under the <i>Marine Parks Act 1992</i> or a world heritage area • within a public thoroughfare, park or gardens • within or outside of 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.
Rail transport infrastructure	as defined in Schedule 6 of the <i>Transport Infrastructure Act 1994</i> .
Road	as defined in section 93 of the Land Act 1994
Spring	the land to which water rises naturally from below the ground and the land over which the water then flows.
Waters	all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and underground water.
Watercourse	as defined in Section 8, Schedule 12 of the Environmental Protection Regulation 2008.
Wetland	as defined in Schedule 12 of the Environmental Protection Regulation 2008, means an area shown as a wetland on the map of referable wetlands.

Appendix 2: General obligations for environmental authority holders

This appendix is not intended to provide a comprehensive assessment of all obligations under Queensland law. It provides some general information and holders are encouraged to familiarise themselves with all requirements related to their specific operation.

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Separate to the requirements of the standard conditions, the holder of the environmental authority must also meet their obligations under the *Environmental Protection Act 1994*, and the regulations made under that Act. For example, the holder must be aware of the following provisions of the *Environmental Protection Act 1994* which may apply unless the environmental harm is authorised by the conditions of the environmental authority.

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- the nature of the harm or potential harm
- the sensitivity of the receiving environment
- the current state of technical knowledge for the activity
- the likelihood of successful application of the different measures to prevent or minimise environmental harm that might be taken
- the financial implications of the different measures as they would relate to the type of activity.

It is not an offence not to comply with the general environmental duty. However, maintaining your general environmental duty is a defence against the following acts:

(a) an act that causes serious or material environmental harm or an environmental nuisance

(b) an act that contravenes a noise standard

(c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG.

More information is available on the Department of Environment and Heritage Protection (EHP) website www.ehp.qld.gov.au.

Duty to notify

Section 320 of the *Environmental Protection Act 1994* explains the duty to notify. The duty to notify applies to all persons and requires a person or company to give notice where serious or material environmental harm is caused or threatened. Notice must be given of the event, its nature and the circumstances in which the event happened. Notification can be verbal, written or by public notice depending on who is notifying and being notified.

The duty to notify arises where:

- a person carries out activities or becomes aware of an act of another person arising from or connected to those activities which causes or threatens serious or material environmental harm
- while carrying out activities a person becomes aware of the happening of one or both of the following events:
 - o the activity negatively affects (or is reasonably likely to negatively affect) the water quality of an aquifer
 - o the activity has caused the unauthorised connection of two or more aquifers.

For more information on the duty to notify requirements refer to the guideline 'Duty to notify of environmental harm' (EM467).

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

Some relevant offences under the *Environmental Protection Act 1994*

Non-compliance with a condition of an environmental authority (section 430)

Section 430 of the *Environmental Protection Act 1994* requires that a person who is the holder of, or is acting under, an environmental authority must not wilfully contravene, or contravene a condition of the authority.

Environmental authority holder responsible for ensuring conditions complied with (section 431)

Section 431 of the *Environmental Protection Act 1994* requires that the holder of an environmental authority must ensure everyone acting under the authority complies with the conditions of the authority. If another person acting under the authority commits an offence against section 430, the holder also commits an offence, namely, the offence of failing to ensure the other person complies with the conditions.

Causing serious or material environmental harm (sections 437–39)

Material environmental harm is when the harm is not trivial or negligible in nature. Serious environmental harm is harm that is irreversible, of a high impact or widespread, or that is caused to an area of high conservation value or special significance. Damages, or costs required to rehabilitate the environment, of more than \$5000 also constitute serious environmental harm.

Serious or material environmental harm excludes environmental nuisance.

Causing environmental nuisance (section 440)

Environmental nuisance is unreasonable interference with an environmental value caused by aerosols, fumes, light, noise, odour, particles or smoke. It may also include an unhealthy, offensive or unsightly condition because of contamination.

Depositing a prescribed water contaminant in waters (section 440ZG)

Prescribed contaminants include a wide variety of contaminants listed in Schedule 9 of the *Environmental Protection Act 1994*.

It is your responsibility to ensure that prescribed contaminants are not left in a place where they may or do enter a waterway, the ocean or a stormwater drain. This includes making sure that stormwater falling on or running across your site does not leave the site contaminated. Where stormwater contamination occurs you must ensure that it is treated to remove contaminants. You should also consider where and how you store material used in your processes onsite to reduce the chance of water contamination.

Placing a contaminant where environmental harm or nuisance may be caused (section 443)

A person must not cause or allow a contaminant to be placed in a position where it could reasonably be expected to cause serious or material environmental harm or environmental nuisance.

Some of the relevant offences under the *Waste Reduction and Recycling Act 2011*

Littering (section 103)

Litter is any domestic or commercial waste and any material a person might reasonably believe is refuse, debris or rubbish. Litter can be almost any material that is disposed of incorrectly. Litter includes cigarette butts and drink bottles dropped on the ground, fast food wrappers thrown out of the car window, poorly secured material from a trailer or grass clippings swept into the gutter. However, litter does not include any gas, dust, smoke or material emitted or produced during, or because of, the normal operations of a building, manufacturing, mining or primary industry.

Illegal dumping of waste (section 104)

Illegal dumping is the dumping of large volumes of litter (200 litres or more) at a place. Illegal dumping can also include abandoned vehicles.

Screening (5000 tonnes to 100,000 tonnes of material in a year) (ERA 16)

Relevant offence under the Environment Protection (Waste Management) Regulation 2000

Trackable waste to be given only to licensed transporter (section 41)

A generator of trackable waste must not give the waste to another person to transport it commercially, or in a load of more than 250 kilograms, in a vehicle unless the other person holds, or is acting under, the required authority for transporting the waste in the vehicle.

Responsibilities under other legislation

An environmental authority pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any additional approval for the activity that might be required by other state and/or Commonwealth legislation. Other legislation for which a permit may be required includes but is not limited to the:

- *Aboriginal Cultural Heritage Act 2003*
- contaminated land provisions of the *Environmental Protection Act 1994*
- *Fisheries Act 1994*
- *Forestry Act 1959*
- *Nature Conservation Act 1992*
- *Petroleum and Gas (Production and Safety) Act 2004 / Petroleum Act 1923*
- *Queensland Heritage Act 1992*
- *Sustainable Planning Act 2009*
- *Water Supply (Safety and Reliability) Act 2008*
- *Water Act 2000*.

Applicants are advised to check with all relevant statutory authorities and comply with all relevant legislation.