

Permit

Environmental Protection Act 1994

Environmental authority EPPR00541413

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

Environmental authority number: EPPR00541413

Environmental authority takes effect on the day of approval.

The anniversary day of this environmental authority remains **1 October**. The payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
Mackay Regional Council	Civic Precinct 73 Gordon Street MACKAY QLD 4740

Environmentally relevant activity and location details

Environmentally relevant activities	Locations
ERA 16 Screening (3)(a) screening, in a year, the following quantity of material— 5,000t to 100,000t.	Lot 31/SP121693 Lot 679/FTY1949 Lot 10/SP201881 Lot 23/RP741170 Lot 1/RP852462 Lot 3/RP737632 Lot 2/AP15590 Lot 202/CI1158 Lot 417/CP846383 Lot 5/RP740451 Lot 147/CP909286 Lot 4/RP747420 Lot 31/CI811864 Lot 100/SP190921 Lot 10/CI856 Lot 50/CI3424 Adjacent to Lot 42/SP177286 Lot 92/CI1194

Environmentally relevant activities	Locations
	Lot 376/CI4415 Lot 24/HLN186 Lot 1/AP15590 Lot 3/RP715879 Lot 36/SP107442 Lot 30/CI2403 Lot 111/HLN258
ERA 16 Extractive (2)(a) extracting, other than by dredging, in a year, the following quantity of material—5,000t to 100,000t.	Lot 31/SP121693 Lot 679/FTY1949 Lot 209/CI3399 Lot 10/SP201881 Lot 23/RP741170 Lot 1/RP852462 Lot 3/RP737632 Lot 2/AP15590 Lot 202/CI1158 Lot 417/CP846383 Lot 5/RP740451 Lot 147/CP909286 Lot 4/RP747420 Lot 179/CI1114 Lot 31/CI811864 Lot 100/SP190921 Lot 10/CI856 Lot 50/CI3424 Adjacent to Lot 42/SP177286 Lot 92/CI1194 Lot 376/CI4415 Lot 24/ HLN186 Lot 1/AP15590 Lot 3/RP715879 Lot 36/SP107442 Lot 9/SP132697 Lot 30/CI2403 Lot 8/RP738036 Lot 111/HLN258
ERA 57 Regulated Waste Transport— Transporting regulated waste other than end-of-life tyres (4 vehicles only)	State of Queensland
ERA 63 Sewage treatment (1)(b)(ii) operating sewage treatment works, other than no-release works, with a	Lot 464/CI3953

Environmentally relevant activities	Locations
total daily peak design capacity of— more than 100 but not more than 1,500EP— otherwise - no IT or IR	
ERA 60 Waste disposal (2)(a) operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b)— less than 2,000t	Lot 175/CI921 Lot 91/CI1044 Lot 236/SP180197 Lot 1/AP19324 Lot 187/SP131425 Lot 73/SP237111
ERA 60 Waste disposal (2)(b) operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b)— 2,000t to 5,000t	Lot 142/CI4284 Lot 423/CP883622 Lot 1/RP733236
ERA 60 Waste disposal (2)(d) operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b)— more than 10,000t but not more than 20,000t	Lot 267/CI4237 Lot 266/CI4237
ERA 62 Resource recovery and transfer facility operation (1)(b) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— general waste.	Lot 901/SP235520 Lot 266/CI4237 Lot 267/CI4237
ERA 62 Resource recovery and transfer facility operation (1)(c) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— category 2 regulated waste.	Lot 901/SP235520
ERA 63 Sewage treatment (1)(d) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 4,000 but not more than 10,000EP	Lot 10/SP244504 Lot 1/RP723668
ERA 63 Sewage treatment (1)(d) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 4,000 but not more than 10,000EP	Lot 908/SP287456 Lot 1/SP140442
ERA 63 Sewage treatment (1)(e) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 10,000 but not more than 50,000EP	Lot 2/AP15875 Lot 1/SP115429
ERA 63 Sewage treatment (1)(f) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 50,000 but not more than 100,000EP	Lot 4/SP143870 Lot 154/SP112957 Lot 355/CI2914 Lot 4/RP900911 Lot 1/RP900909

Environmentally relevant activities	Locations
ERA 60 Waste disposal (2)(g) operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b)— more than 100,000t but not more than 200,000t	<p>Lot 68/C124768</p> <p>Lot 1414/C124329</p> <p>Lot 1602/C124429</p>
ERA 63 Sewage treatment (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSAN09, Hargraves Street SPS, (GDA2020 coordinates: -21.09232974, 149.1796709)</p> <p>PSSL07, Magpie Street SPS, (GDA2020 coordinates: -21.08024184, 149.2190595), Lot 1 Plan CP855597</p> <p>PSSL10, Pacific Esplanade SPS, (GDA2020 coordinates: -21.07449264, 149.2277681), Lot 599, Plan CI3321</p> <p>PSSL08, Blackwood Street SPS, (GDA2020 coordinates: -21.07163974, 149.218749), Lot 31 Plan S25749</p> <p>PSAN05, Oak Street SPS, (GDA2020 coordinates: -21.09734914, 149.1903102), Lot 11, Plan SP255627</p> <p>PSBE05, Parkview Court SPS, (GDA2020 coordinates: -21.09906314, 149.17643), Lot 1, Plan RP738839</p> <p>PSBE04, Avocado Court SPS, (GDA2020 coordinates: -21.09708844, 149.1698575) Lot 27, Plan RP741474</p> <p>PSAN16, Galasheils Street SPS, (GDA2020 coordinates: -21.08854834, 149.172447), Lot 12, Plan RP892821</p> <p>PSAN14, Broomdykes Drive SPS, (GDA2020 coordinates: -21.08505484, 149.177265) Lot 900, Plan RP858183</p> <p>PSBE06, Beaconsfield Road No. 2 SPS, (GDA2020 coordinates: -21.10947444, 149.1779195))</p> <p>PSAN01, Coles Road SPS, (GDA2020 coordinates: -21.10825414, 149.1850233)), Lot 1, Plan RP737296</p> <p>PSAN08, Tropical Avenue SPS, (GDA2020 coordinates: -21.09584584, 149.1822338) Lot 144, Plan RP745240</p> <p>PSAN06, Tramontana Street SPS, (GDA2020 coordinates: -21.09194554, 149.1912702), Lot 48, Plan RP732035</p> <p>PSAN10, Monique Court SPS, (GDA2020 coordinates: -21.08763314, 149.1825372) Lot 34, Plan RP743726</p> <p>PSAN15, Bedford Road No. 2 SPS, (GDA2020 coordinates: -21.08272724, 149.1728627), Lot 901, Plan RP864689</p> <p>PSAN07, Wattle Street SPS, (GDA2020 coordinates: -21.08168664, 149.1898785), Lot 11, Plan SP271085</p>

Environmentally relevant activities	Locations
	<p>PSMC02, Gordon Street SPS, (GDA2020 coordinates: -21.14440064, 149.1929459), Lot 19, Plan M91160</p> <p>PSBU02, Downie Avenue SPS, (GDA2020 coordinates: -21.03494213, 149.1603854)</p> <p>PSBU03, Ellis Avenue SPS, (GDA2020 coordinates: -21.03264383, 149.1600252)</p> <p>PSBU06, Shoal Point Road No 1 SPS, (GDA2020 coordinates: -21.02659833, 149.1546382)</p> <p>PSBC02, Main Street SPS, (GDA2020 coordinates: -21.21258783, 149.1474749) Lot 1, Plan RP739555</p> <p>PSBC01, Temples Lane SPS, (GDA2020 coordinates: -21.20703203, 149.146913), Lot 468, Plan CI3119</p> <p>PSSM03, Farrellys Rd #1 SPS, (GDA2020 coordinates: -21.18574984, 149.1558781) Lot 43, Plan RP909353</p> <p>PSEI03, Eimeo Road No. 2 SPS, (GDA2020 coordinates: -21.04543994, 149.1763421)</p> <p>PSNM05, Burgess Street SPS, (GDA2020 coordinates: -21.12370024, 149.1721021) Lot 18, Plan RP748851</p> <p>PSEI04, Shann Street SPS, (GDA2020 coordinates: -21.04045294, 149.1786167)</p> <p>PSEI07, Blacks Beach Road SPS, (GDA2020 coordinates: -21.05352394, 149.1832611)</p> <p>PSEI10, Pacific Drive No. 1 SPS, (GDA2020 coordinates: -21.05482174, 149.1911783)</p> <p>PSGL04, Wheeler Drive, (GDA2020 coordinates: -21.12268073, 149.1458117)</p> <p>PSNM02, Forgan Street SPS, (GDA2020 coordinates: -21.11684204, 149.1892394), Lot 24, Plan RP712451</p> <p>PSNM06, Hamilton Street SPS, (GDA2020 coordinates: -21.11873574, 149.1929437), Lot 104, Plan SP247909</p> <p>PSHA01, Mulherin Drive SPS, (GDA2020 coordinates: -21.11282974, 149.222739)</p> <p>PSHA03, Mt Bassett SPS, (GDA2020 coordinates: -21.11915554, 149.2051246)</p> <p>PSMC01, Sydney Street SPS, (GDA2020 coordinates: -21.15081394, 149.1865425), Lot 1, Plan RP720637</p> <p>PSNM11, Willetts Road SPS, (GDA2020 coordinates: -21.12708284, 149.1660588), Lot 4, Plan RP846385</p> <p>PSNM12, Heaths Road No. 1 SPS, (GDA2020 coordinates: -21.12762694, 149.1609365), Lot 1, Plan RP845817</p>

Environmentally relevant activities	Locations
	<p>PSMC03, Shakespeare Street SPS, (GDA2020 coordinates: -21.14912484, 149.1991089)</p> <p>PSWA01, Bold Street SPS, (GDA2020 coordinates: -21.17039423, 149.0620415), Lot 1, Plan SP112363</p> <p>PSMC20, Bridge Road SPS, (GDA2020 coordinates: -21.14498173, 149.1547387), Lot 128, Plan SP264916</p> <p>PSMC04, Evan Street SPS, (GDA2020 coordinates: -21.15452634, 149.1983223)</p> <p>PSMC06, Hart Street SPS, (GDA2020 coordinates: -21.15965274, 149.190889)</p> <p>PSMC07, Kilgour Street SPS, (GDA2020 coordinates: -21.15963294, 149.1938153)</p> <p>PSMC08, Keelan Street SPS, (GDA2020 coordinates: -21.16569614, 149.1921333)</p> <p>PSMP02, Suncrest Court SPS, (GDA2020 coordinates: -21.12265204, 149.1601426), Lot 7, Plan RP898353</p> <p>PSMC05, Goldsmith Street SPS, (GDA2020 coordinates: -21.15514284, 149.192565), Lot 19, Plan RP706495</p> <p>PSMC09, Scott Street SPS, (GDA2020 coordinates: -21.16517544, 149.1891122)</p> <p>PSMC10, Black Street SPS, (GDA2020 coordinates: -21.15839344, 149.1779222)</p> <p>PSMC11, Meero Street SPS, (GDA2020 coordinates: -21.15535994, 149.1750475)</p> <p>PSMP01, Malcomson Street No. 2 SPS, (GDA2020 coordinates: -21.12013023, 149.1574882), Lot 4, Plan RP729988</p> <p>PSMC22, Marryatt Street SPS, (GDA2020 coordinates: -21.14743874, 149.1709369), Lot 6, Plan SP237095</p> <p>PSGL06, Pioneer Street SPS, (GDA2020 coordinates: -21.11177653, 149.1503995), Lot 11, Plan SP100401</p> <p>PSMC12, Graffunder Street SPS, (GDA2020 coordinates: -21.16390364, 149.1742963)</p> <p>PSNM14, Heaths Road No. 2 SPS, (GDA2020 coordinates: -21.12921263, 149.1512958), Lot 21, Plan RP906705</p> <p>PSNM15, Oasis Drive SPS, (GDA2020 coordinates: -21.12668064, 149.1692581), Lot 1, Plan SP199173</p> <p>PSMC21, Cullen Street SPS, (GDA2020 coordinates: -21.14774864, 149.1622488)</p> <p>PSBE01, Beaconsfield Road No. 1 SPS, (GDA2020 coordinates: -21.10604224, 149.1695161), Lot 1 Plan RP733577</p>

Environmentally relevant activities	Locations
	<p>PSMI01, Margaret St Pump Station, (GDA2020 coordinates: -21.16071441, 148.874073)</p> <p>PSNM01, Bassett Street SPS, (GDA2020 coordinates: -21.12399524, 149.1912597)</p> <p>PSRV02, Symons Farm SPS, (GDA2020 coordinates: -21.07059313, 149.1598803), Lot 1, Plan RP817051</p> <p>PSNM03, Gooseponds SPS, (GDA2020 coordinates: -21.12090584, 149.1780287)</p> <p>PSEI02, Eimeo Road No. 1 SPS, (GDA2020 coordinates: -21.04883914, 149.1760548), Lot 601, Plan C14376</p> <p>PSEI08, Camilleri Street SPS, (GDA2020 coordinates: -21.04640414, 149.1842443), Lot, 576, Plan C13509</p> <p>PSSA01A, Biltoft Street, (GDA2020 coordinates: -21.41923514, 149.2188397)</p> <p>PSEI13, Avalon Drive SPS, (GDA2020 coordinates: -21.05022253149.1639056), Lot 905, Plan SP262671</p> <p>PSSL01, Keeleys Road No. 1 SPS, (GDA2020 coordinates: -21.09282914, 149.2115485)</p> <p>PSSM01A, Boundary Rd SPS, (GDA2020 coordinates: -21.17566384, 149.1649652)</p> <p>PSEI09, Admiral Drive SPS, (GDA2020 coordinates: -21.03729104, 149.1843326), Lot 112, Plan C1838618</p> <p>PSSH11, Bucasia STP SPS, (GDA2020 coordinates: -21.02643643, 149.1474508), Lot 61, Plan RP807526</p> <p>PSSH13, Denman Avenue SPS, (GDA2020 coordinates: -21.00332213, 149.1535056), Lot 4, Plan SP147493</p> <p>PSBU08, Griffin Avenue SPS, (GDA2020 coordinates: -21.02242773, 149.1559345), Lot 546, Plan CI4012</p> <p>PSSH12, Shoal Point Road No. 2 SPS, (GDA2020 coordinates: -21.01050633, 149.1481363), Lot 9001, Plan SP165720</p> <p>PSSM02, Rainlover Street SPS, (GDA2020 coordinates: -21.17375323, 149.1490896)</p> <p>PSSM22, Connors Rd SPS, (GDA2020 coordinates: -21.18780654, 149.1588929)</p> <p>PSBU09, Bucas Drive SPS, (GDA2020 coordinates: -21.04228833, 149.1508044), Lot 1, Plan SP115429</p> <p>PSEI01, Prawn Farm SPS, (GDA2020 coordinates: -21.05203314, 149.1692228), Lot 2, Plan RP810405</p>

Environmentally relevant activities	Locations
	<p>PSBU01A, Dump Road SPS, (GDA2020 coordinates: -21.03704973, 149.1558467), Lot 1, Plan SP115429</p> <p>PSWA04, Pugsley Street No. 2 SPS, (GDA2020 coordinates: -21.16071803, 149.0579119)</p> <p>PSEI15, Whitehaven Drive SPS, (GDA2020 coordinates: -21.06159564, 149.1812912), Lot 928, Plan SP254852</p> <p>PSMA07, Kennys Rd No 1 Pump Station, (GDA2020 coordinates: -21.14724802, 148.9570364), Lot 100, Plan SP272704</p> <p>PSMA01, Paul St Pump Station, (GDA2020 coordinates: -21.14686052, 148.9420705), Lot 7, Plan SP208036</p> <p>PSMA12, Bowden Cres SPS, (GDA2020 coordinates: -21.15257882, 148.963865), Lot 327, Plan SP237108</p> <p>PSWA07, Pugsley Street No. 1 SPS, (GDA2020 coordinates: -21.16144543, 149.0634386)</p> <p>PSWA08, Anne Street SPS, (GDA2020 coordinates: -21.16246173, 149.0667358)</p>
ERA 64 Water treatment (3) treating 10ML or more raw water in a day.	Lot 389/SP237091

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

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

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

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

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

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

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

15/06/2022
Date

Rebecca Griffiths
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Utilities and Government Organisations
Assessment
Department of Environment and Science

Phone: 1300 130 372
Email: palm@des.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 Government agencies prior to commencing any activity at the site.

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

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

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

The permit consists of the following parts:

Part	Environmentally relevant activity/activities	Page
Part 1 – General conditions for particular activities	ERA 16 Extraction and Screening ERA 57 Regulated Waste Transport ERA 60 Waste Disposal ERA 62 Waste Transfer Station ERA 63(1) Sewage Treatment Works ERA 64 Water Treatment	14
Part 2 – Conditions specific to extractive and screening activities	ERA 16 Extraction and Screening	20
Part 3 – Conditions specific to waste disposal and transfer activities	ERA 60 Waste Disposal ERA 62 Waste Transfer Station	25
Part 4 – Conditions specific to sewage treatment activities	ERA 63(1) Sewage Treatment Works	32
Part 5 – Conditions specific to water treatment activity	ERA 64 Water Treatment	43
Definitions for Parts 1 to 5	N / A	45
Part 6 – Conditions for sewage treatment, former EA0001177	ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	48
Definitions for Part 6	N / A	55
Part 6 Attachment 1 – Release points and Monitoring Points	N / A	56
Part 7 – Conditions for sewage pumping stations, former BRID0060	ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	58
Part 8 – Conditions for regulated waste transport	ERA 57 Regulated Waste Transport— Transporting regulated waste other than end-of-life tyres (4 vehicles only)	64

Part 1 – General Conditions for Particular Activities

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 31/SP121693
	Lot 679/FTY1949
	Lot 10/SP201881
	Lot 23/RP741170
	Lot 1/RP852462
	Lot 3/RP737632
	Lot 2/AP15590
	Lot 202/CI1158
	Lot 417/CP846383
	Lot 5/RP740451
	Lot 147/CP909286
	Lot 4/RP747420
	Lot 31/CI811864
	Lot 100/SP190921
	Lot 10/CI856
	Lot 50/CI3424
	Adjacent to Lot 42/SP177286
	Lot 92/CI1194
	Lot 376/CI4415
	Lot 24/HLN186
	Lot 1/AP15590
	Lot 36 Plan SP107442
	Lot 3/RP715879
	Lot 30/CI2403
	Lot 111/HLN258

Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 31/SP121693
	Lot 679/FTY1949
	Lot 209/CI3399
	Lot 10/SP201881
	Lot 23/RP741170
	Lot 1/RP852462
	Lot 3/RP737632
	Lot 2/AP15590
	Lot 202/CI1158
	Lot 417/CP846383
	Lot 5/RP740451
	Lot 147/CP909286
	Lot 4/RP747420
	Lot 179/CI1114
	Lot 31/CI811864
	Lot 100/SP190921
	Lot 10/CI856
	Lot 50/CI3424
	Adjacent to Lot 42/SP177286
	Lot 92/CI1194
	Lot 376/CI4415
	Lot 24/HLN186
	Lot 1/AP15590
	Lot 3/RP715879
	Lot 36 Plan SP107442
	Lot 9/SP132697
	Lot 30/CI2403
	Lot 8/RP738036
	Lot 111/HLN258

ERA 57 Regulated Waste Transport— Transporting regulated waste other than end-of-life tyres (4 vehicles only)	State of Queensland
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) less than 2000t	Lot 175/CI921
	Lot 91/CI1044
	Lot 236/SP180197
	Lot 1/AP19324
	Lot 187/SP131425
	Lot 73/SP237111
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (b) more than 2000t but not more than 5000t	Lot 142/CI4284
	Lot 423/CP883622
	Lot 1/RP733236
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (d) more than 10,000t but not more than 20,000t	Lot 267/CI4237
	Lot 266/CI4237
ERA 62 Resource recovery and transfer facility operation (1)(b) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— general waste.	Lot 901/SP235520
	Lot 266/CI4237
	Lot 267/CI4237
ERA 62 Resource recovery and transfer facility operation (1)(c) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— category 2 regulated waste.	Lot 901/SP235520
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 464/CI3953
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Lot 10/SP244504
	Lot 1/RP723668
ERA Sewage treatment 63 (1)(d) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 4,000 but not more than 10,000EP	Lot 908/SP287456
	Lot 1/SP140442
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-	Lot 2/AP15875
	Lot 1/SP115429

release works, with a total daily peak design capacity of, (e) more than 10,000 but not more than 50,000EP	
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (f) more than 50,000 but not more than 100,000EP	Lot 4/SP143870
	Lot 154/SP112957
	Lot 355/CI2914
	Lot 4/RP900911
	Lot 1/RP900909
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (g) more than 100,000t but not more than 200,000t	Lot 68/C124768
	Lot 1414/C124329
	Lot 1602/C124429
Prescribed ERA, ERA 64 - Water treatment, 3: Treating 10ML or more raw water in a day	Lot 389/SP237091

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

Agency interest: General	
Condition number	Condition
P1-G1	Activities conducted under this environmental authority must be conducted within the approved thresholds and subject to any other limitations stated in this environmental authority.
P1-G2	Unless otherwise specified in this environmental authority the administering authority must be notified within 24 hours of the holder of this approval becoming aware of: <ol style="list-style-type: none"> any breach of a condition of this environmental authority; or any adverse impact on an environmental value.
P1-G3	Unless otherwise specified in this environmental authority a final report must be provided to the administering authority within 14 business days following any notification in accordance with condition P1-G2.
P1-G4	All information and records that are required by the conditions of this environmental authority must be kept for a period of at least 5 years and made available to the administering authority on request.
P1-G5	Monitoring results required by the conditions of this environmental authority must be kept until surrender and made available to the administering authority on request.
P1-G6	The activity must be undertaken in accordance with written procedures that: <ol style="list-style-type: none"> identify potential risks to the environment from the activity during routine operations and emergencies including flooding; establish control measures that minimise the potential for environmental harm; ensure plant and equipment is maintained and operated in proper and effective condition; and

	4. ensure that staff are trained in and aware of their obligations under the <i>Environmental Protection Act 1994</i> ensure that reviews of environmental performance are undertaken at least annually.
P1-G7	All chemicals and fuels in bulk or in containers of greater than 15 litres must be stored within a secondary containment system and releases controlled in a manner that prevents environmental harm.
P1-G8	Access to all sites must be controlled and public access restricted.
P1-G9	The daily operation of the approved sites and associated equipment must be carried out by an appropriately qualified person(s) .
Agency interest: Air	
Condition number	Condition
P1-A1	Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not be released to any nuisance sensitive place or commercial place .
P1-A2	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust, particulate matter and/or odour.
Agency interest: Noise	
Condition number	Condition
P1-N1	Noise from the activity must not cause a nuisance at any nuisance sensitive place.
Agency interest: Water	
Condition number	Condition
P1-WT1	Other than as stated within this authority, contaminants must not be released from the site to any waters or the bed and banks of any waters.
P1-WT2	Other than as stated within this authority, contaminants must not be released to groundwater.
P1-WT3	All water storages used for storage or treatment of contaminants or wastes must be designed and maintained to prevent any discharge from causing environmental harm or environmental nuisance.
Agency interest: Waste	
Condition number	Condition
P1-WS1	Other than as stated within this authority, waste may only be removed from a site by using a transporter lawfully able to transport it and to a place lawfully able to receive it.
P1-WS2	Records must be kept of the removal, transportation and disposal of regulated wastes.
Agency interest: Land	

Condition number	Condition
P1-L1	Other than as stated within this environmental authority, contaminants must not be released to land.
P1-L2	Treatment and management of acid sulfate soils must comply with the latest edition of the administering authority's manual <i>Queensland Acid Sulfate Soil Technical Manual Soil Management Guidelines v4.0</i> .
P1-L3	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

Part 2 – Conditions Specific to Extractive and Screening Activities

Environmentally relevant activity/activities	Location(s)
<p>Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t; and</p> <p>Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t</p>	Johnsons Quarry, 128 Johnson Road KOUMALA QLD 4738 - Lot 23 Plan RP741170
	Harvisons Quarry, 116 Owens Creek Loop Road GARGETT QLD 4741 - Lot 1 Plan RP852462
	Breadsell Quarry, 330 Sturmas Road YALBOROO QLD 4741 - Lot 3 Plan RP737632
	Bussey Quarry, Walkerston-Homebush Road HOMEBUSH QLD 4740 - Lot 100 Plan SP190921
	McDermott Quarry, 581 McDermotts Road CALEN QLD 4798 – Lot 10 Plan SP201881
	Mt Vince Quarry, Old Rocky Waterholes Road GREENMOUNT QLD 4751 - Lot 202 Plan CI1158
	Mt Ossa Quarry, Longmile Road MOUNT OSSA QLD 4741 - Lot 417 Plan CP846383
	Larsen Quarry, 17 Larsens Road THE LEAP QLD 4740 - Lot 5 Plan RP740451
	Mezzan Quarry, 1111 Marwood-Sunnyside Road SUNNYSIDE QLD 4737- Lot 147 Plan CP909286
	Dummas Quarry, Cathu-Oconnell River Road YALBOROO QLD 4741 – Lot 4 Plan RP747420
	Eton Old Quarry, Eton Homebush Road ETON QLD 4741 - Lot 31 Plan CI811864
	Bezzina Quarry, 814 Dougherty's Road BLOOMSBURY QLD 4799 - Lot 10 Plan CI856
	Eton New Quarry, 150 Eton Homebush Road ETON QLD 4741- Lot 50 Plan CI3424
	Kippen New Quarry, Adjacent NE corner of 482 Cape Hillsborough Road BALL BAY QLD 4741 – road reserve adjacent NE corner of Lot 42 Plan SP177286
	Kippen Old Quarry, Adjacent SE corner of 482 Cape Hillsborough Road BALL BAY QLD 4741 – road reserve adjacent SE corner of Lot 42 Plan SP177286
	Comelli Quarry, 262 Aldis Road ST HELENS BEACH QLD 4799 - Lot 92 Plan CI1194
	Howell Quarry, 222 Howells Road MOUNT JUKES QLD 4740 - Lot 376 Plan CI4415

Environmentally relevant activity/activities	Location(s)
	Hazelwood Quarry, Eungella Dam Road CREDITON QLD 4757 - Lot 24 Plan HLN186 & Lot 679 Plan FTY1949
	TeCon Gap Quarry, Kuttatubul Mount Jukes Road KUTTABUL QLD 4741 - Lot 1 & 2 Plan AP15590
	Jensens Quarry, 2906 Mirani-Mount Ossa Road MOUNT CHARLTON QLD 4741 – Lot 3 Plan RP715879
	Omands Quarry, Neilsen-Omands Road SEPTIMUS QLD 4754 - Lot 36 Plan SP107442 & Lot 30 Plan CI2403
	Buggybend Quarry, Eungella Dam Road EUNGELLA DAM QLD 4757 – Lot 111 Plan HLN258
	Mitchell Quarry, 88 Campbells Road BLOOMSBURY QLD 4799 - Lot 31 Plan SP121693
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Gargett Quarry, Owens Creek Loop Road GARGETT QLD 4741 – Lot 179 Plan CI1114
	Benholme Quarry, Mackay-Eungella Road BENHOLME QLD 4754 – Lot 209 Plan CI3399
	Cameron Quarry, 196 Riley Road KOUMALA QLD 4738 - Lot 8 Plan RP738036
	Colemans Quarry, 65 Owens Creek Loop Road GARGETT QLD 4741 – Lot 9 Plan SP132697

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

Agency interest: General									
Condition number	Condition								
P2-G1	This environmental authority authorises: 1. Extraction and screening at all listed locations.								
P2-G2	<p>The maximum amount of material that can be extracted and screened for any annual return period at each particular site is outlined below in Part 2 – Table 1.</p> <p>Part 2 – Table 1 Maximum Allowable tonnages at each and extraction site</p> <table> <tr> <th>Site Name</th><th>Maximum Tonnage per year</th></tr> <tr> <td>Breadsell Quarry</td><td>7000t</td></tr> <tr> <td>Mt Vince Quarry</td><td>7000t</td></tr> <tr> <td>Mt Ossa Quarry</td><td>15000t</td></tr> </table>	Site Name	Maximum Tonnage per year	Breadsell Quarry	7000t	Mt Vince Quarry	7000t	Mt Ossa Quarry	15000t
Site Name	Maximum Tonnage per year								
Breadsell Quarry	7000t								
Mt Vince Quarry	7000t								
Mt Ossa Quarry	15000t								

	Eton New Quarry	10000t												
	Howells Quarry	10000t												
	McDermott	7000t												
	Comelli Quarry	10000t												
Agency interest: Water														
Condition number	Condition													
P2-WT1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.													
P2-WT2	Ponds used for the storage or treatment of wastewater or wastes must be constructed, installed and maintained to: 1. prevent any release of wastewater or wastes from the ponds to any waters other than during wet weather events; 2. minimise overflows during wet weather; and 3. ensure the stability of the pond structure.													
P2-WT3	A sediment retention system must be designed, constructed and operated to retain the stormwater runoff generated by a 24 hour storm event with an average recurrence interval of one in 10 years.													
P2-WT4	Water storages must be monitored for the water quality characteristics specified in Part 2 - Table 2. Part 2 - Table 2 - Onsite water storage additional monitoring parameters for investigation <table><tr><th>Quality Characteristic</th><th>Investigation Level (greater than)</th><th>Frequency of Monitoring</th></tr><tr><td>Electrical conductivity</td><td>250 (µS/cm)</td><td rowspan="4">Biannually each November and April</td></tr><tr><td>Petroleum hydrocarbons (C6-C9)</td><td>50 (µg/L)</td></tr><tr><td>Petroleum hydrocarbons (C10-C36)</td><td>100 (µg/L)</td></tr><tr><td>Turbidity</td><td>100 (NTU)</td></tr></table>		Quality Characteristic	Investigation Level (greater than)	Frequency of Monitoring	Electrical conductivity	250 (µS/cm)	Biannually each November and April	Petroleum hydrocarbons (C6-C9)	50 (µg/L)	Petroleum hydrocarbons (C10-C36)	100 (µg/L)	Turbidity	100 (NTU)
Quality Characteristic	Investigation Level (greater than)	Frequency of Monitoring												
Electrical conductivity	250 (µS/cm)	Biannually each November and April												
Petroleum hydrocarbons (C6-C9)	50 (µg/L)													
Petroleum hydrocarbons (C10-C36)	100 (µg/L)													
Turbidity	100 (NTU)													
P2-WT5	Following the exceedance of any Investigation Level in <i>Part 2 – Table 2 - Onsite water storage additional monitoring parameters for investigation</i> the permit holder must complete an investigation into the potential for environmental harm and provide a written report to the administering authority within one month of receiving the results outlining: 1. details of the investigation carried out; and 2. actions taken to prevent environmental harm.													
Agency interest: Noise														
Condition number	Condition													

P2-N1	<p>The activity must not cause audible noise at a dwelling, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises kindergarten, school, university, library, childcare centre or other educational institution or a medical centre or hospital:</p> <ol style="list-style-type: none"> 1. on a business day or Saturday, before 7am or after 7pm; 2. on any other day, before 8am or after 7pm.
P2-N2	Blasting is only to occur within the hours of 09.00am and 15:00pm Monday to Friday and excluding public holidays.
P2-N3	<p>A blast management plan must be developed for each blasting activity in accordance with Australian Standard 2187 or other relevant Australian Standard in order that;</p> <ol style="list-style-type: none"> 1. the airblast overpressure is less than 115dB Z Peak for 4 out of any 5 consecutive blasts; 2. the airblast overpressure is less than 120dB Z Peak for all blasts; and 3. the ground vibration is: <ol style="list-style-type: none"> a) for vibrations of more than 35Hz—more than 25 millimetres (mm) a second ground vibration, peak particle velocity b) for vibrations of no more than 35Hz—more than 10mm a second ground vibration, peak particle velocity.
P2-N4	All blasting must be carried out in a proper manner by a suitably qualified person in accordance with best practice environmental management to minimise the likelihood of adverse effects being caused by the impacts of blasting.
P2-N5	Records of the design of all explosive blasts and how each blast meets the criteria specified in condition P2-N3 must be kept in written and diagrammatic form at the authorised place.
P2-N6	Any residences within one kilometre of a blast site must be notified at least 48 hours prior to each and every blasting activity .
Agency interest: Land	
Condition number	Condition
P2-L1	<p>As soon as practicable after completion of operational work land disturbed by the activity must be rehabilitated to achieve the following:</p> <ol style="list-style-type: none"> 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; and 4. maintenance requirements are no greater than before the land was disturbed.
P2-L2	Topsoil must be removed and stockpiled to preserve its biological and chemical integrity for use in site rehabilitation.
P2-L3	At Eton New Quarry located on Lot 50 Plan CI3424, the total area of disturbance to land at any given time must not exceed three (3) hectares.

Part 3 – Conditions Specific to Waste Disposal and Waste Transfer Activities

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) less than 2000t	<p>Finch Hatton Landfill, 175 Trueman Depot Road, Finch Hatton QLD 4756 - Lot 175 Plan CI921</p> <p>Koumala Landfill, Turnors Paddock Road, Koumala QLD 4738 - Lot 91 Plan CI1044</p> <p>Kolijo Landfill, 376 Kolijo-Mt Pelion Road, Mt Pelion QLD 4741 - Lot 236 Plan SP180197</p> <p>Eungella Landfill, Eungella Dam Road, Crediton QLD 4757 – Lot1 Plan AP19324</p> <p>Gargett Landfill, Gargett Dump Road, Gargett QLD 4741 - Lot 187 Plan SP131425</p> <p>Otterburn Landfill, Brand Road, Mirani QLD 4754 - Lot 73 Plan SP237111</p>
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (b) more than 2000t but not more than 5000t	<p>Sarina Landfill, 223 Brooks Road, Sarina QLD 4737 - Lot 142 Plan CI4284</p> <p>Seaforth Waste Transfer Station, Yakapari, Seaforth Road, Seaforth QLD 4741 - Lot 423 Plan CP883622</p> <p>Hay Point Landfill, Hay Point Road, Hay Point QLD 4740 - Lot 1 Plan RP733236</p>
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (d) more than 10,000t but not more than 20,000t	<p>Bayersville Landfill, Harbour Road, North Mackay QLD 4740 - Lot 266 & 267 Plan CI4237</p>
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (g) more than 100,000t but not more than 200,000t	<p>Hogans Pocket Landfill, Hogans Pocket Road, Eton QLD 4741 - Lot 1602 Plan C124429, Lot 1414 Plan C124329 & Lot 68 Plan C124768</p>
ERA 62 Resource recovery and transfer facility operation (1)(b) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— general waste.	<p>Bayersville Landfill, Harbour Road, North Mackay QLD 4740 - Lot 266 & 267 Plan CI4237</p> <p>Paget Waste Transfer Station, 42 Crichtons Road, Paget QLD 4740 – Lot 901 Plan SP235520</p>
ERA 62 Resource recovery and transfer facility operation (1)(c) operating a facility for receiving and sorting, dismantling, baling or temporarily storing— category 2 regulated waste.	<p>Paget Waste Transfer Station, 42 Crichtons Road, Paget QLD 4740 – Lot 901 Plan SP235520</p>

Environmentally relevant activity/activities	Location(s)

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

Agency interest: General	
Condition number	Condition
P3-G1	<p>This environmental authority authorises:</p> <ol style="list-style-type: none"> 1. Disposal of no more than 200,000 tonnes of waste in any annual return period at Hogans Pocket Road, Eton - Lot 1602 Plan C124429, Lot 1414 Plan C124329 and Lot 68 Plan C124768; 2. Disposal of no more than 20 000 tonnes of waste in any annual return period at Bayersville Landfill Harbour Road, North Mackay - Lot 266 & 267 Plan CI4237; 3. Disposal of no more than 5 000 tonnes of waste in any annual return period at: <ol style="list-style-type: none"> a) Sarina landfill - Lot 142 CI4284 b) Hay Point landfill - Lot 1 Plan RP733236 c) Seaforth Waste Transfer Station, Yakapari - Seaforth Road, Seaforth - Lot 423 Plan CP883622 4. Disposal of no more than 2 000 tonnes of waste in any annual return period at: <ol style="list-style-type: none"> a) Otturburn Landfill - Lot 73 SP237111 b) Kolijo Landfill - Lot 236 Plan SP180197 c) Koumala Landfill - Lot 91 CI1044 d) Gargett Landfill - Lot 187 SP131425 e) Finch Hatton Landfill - Lot 175 CI921 f) Eungella Landfill – Lot 1 Plan AP19324 5. Operating a waste transfer station receiving more than 30 tonnes or 30m³ of waste on any day at: <ol style="list-style-type: none"> a) Paget - Lot 901 Plan SP235520.
P3-G2	The waste accepted at any licensed facility must be in accordance with the waste acceptance criteria for the site.
P3-G3	The waste acceptance criteria must be kept on site and made available to the administering authority on request.
P3-G4	<p>An amended landfill cell design plan must be finalised and submitted to the administering authority at least six (6) months before the commencement of any new landfill cell and must include details of at least the following:</p> <ol style="list-style-type: none"> 1. RPEQ plans; 2. location of any new site infrastructure or extensions to serve the new cell; 3. location of any new water management devices required to serve the new cell; and 4. location of any groundwater and gas monitoring or collection bores required to serve the new cell.
Agency interest: Air	

Condition number	Condition																								
P3-A1	The accumulation and release of landfill gas must not cause environmental harm beyond the boundary of a site.																								
P3-A2	At any site with significant accumulations of landfill gas a monitoring network must be installed and the holder of this authority must monitor and record landfill gas levels at least once every 6 months.																								
Agency interest: Water																									
Condition number	Condition																								
P3-WT1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.																								
P3-WT2	A stormwater management plan must be developed for all operational landfills and transfer stations.																								
P3-WT3	<div>Monitoring must be undertaken and records kept of releases to waters from the discharge location at Hogans Pocket Landfill as specified in <i>Part 3 - Table 1 - Release limits</i>.</div> <div>Part 3 - Table 1- Release limits</div> <table><tr><th>Monitoring point</th><th>Discharge location</th><th>Quality characteristics</th><th>Minimum</th><th>Maximum</th><th>Monitoring Frequency</th></tr><tr><td rowspan="5">W2¹</td><td rowspan="5">Sediment Pond Spillway</td><td>Electrical Conductivity (µS/cm)</td><td>-</td><td>1000</td><td rowspan="5">Prior to a controlled release event. As soon as practicable in the event of an uncontrolled release and weekly thereafter for the duration of the release.</td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>4</td><td>-</td></tr><tr><td>pH</td><td>6.0</td><td>8.5</td></tr><tr><td>Turbidity (NTU)</td><td>-</td><td>The greater of either background plus 10NTU or background plus 10%</td></tr><tr><td>Suspended Solids (mg/L)</td><td>-</td><td>30</td></tr></table> <div>¹ W2 means the release point from sedimentation pond 2 to Black Water Hole Creek.</div>	Monitoring point	Discharge location	Quality characteristics	Minimum	Maximum	Monitoring Frequency	W2 ¹	Sediment Pond Spillway	Electrical Conductivity (µS/cm)	-	1000	Prior to a controlled release event. As soon as practicable in the event of an uncontrolled release and weekly thereafter for the duration of the release.	Dissolved Oxygen (mg/L)	4	-	pH	6.0	8.5	Turbidity (NTU)	-	The greater of either background plus 10NTU or background plus 10%	Suspended Solids (mg/L)	-	30
Monitoring point	Discharge location	Quality characteristics	Minimum	Maximum	Monitoring Frequency																				
W2 ¹	Sediment Pond Spillway	Electrical Conductivity (µS/cm)	-	1000	Prior to a controlled release event. As soon as practicable in the event of an uncontrolled release and weekly thereafter for the duration of the release.																				
		Dissolved Oxygen (mg/L)	4	-																					
		pH	6.0	8.5																					
		Turbidity (NTU)	-	The greater of either background plus 10NTU or background plus 10%																					
		Suspended Solids (mg/L)	-	30																					
P3-WT4	<div>Following the exceedance of any release limit in <i>Part 3 - Table 1 - Release limits</i> the permit holder must complete an investigation into the potential for environmental harm and provide a written report to the administering authority within one month of receiving the results outlining:</div> <div><div>1. details of the investigation carried out; and</div><div>2. actions taken to prevent environmental harm.</div></div>																								
P3-WT5	Monitoring of groundwater must be undertaken and records kept from appropriate locations determined by the groundwater monitoring network as specified in Part 3 - Table 2.																								

Part 3 - Table 2 - Quality Characteristics of Water Monitoring	
	Quality Characteristics
	Monitoring Frequency
	pH
	Alkalinity
	EC
	TDS
	redox potential COD
	TOC
	ammoniacal nitrogen
	major cations and anions (calcium, magnesium, sodium, potassium, chloride, bicarbonate and sulphate)
	nitrite and nitrate
	total iron
	total phenols
	Soluble metals (As, Cd, Cr ¹ , Cr, Cu, Hg, Ni, Pb, Se, Zn, Mn, B) ¹ Hexavalent Chromium
	phosphorous
	BOD
	total recoverable hydrocarbons pesticides, herbicides
	PAH and chlorinated hydrocarbons
	volatile organics including BTEX.
P3-WT6	A water monitoring network must be developed and implemented to record water quality within Black Water Hole Creek in order to detect any impact on surface waters as a consequence of the waste disposal operation.
P3-WT7	A groundwater monitoring network must be developed and implemented to record background groundwater quality hydraulically up-gradient of the landfill site and for each landfill unit.
P3-WT8	Groundwater monitoring data must be analysed to determine any statistically significant changes over time.
P3-WT9	The administering authority must be notified as soon as possible if analysis determines that a statistically significant change has occurred.
P3-WT10	A leachate collection system at an operational landfill must be installed and maintained at the site to effectively and efficiently collect any leachate generated and convey the collected leachate to a leachate storage or disposal facility.
P3-WT11	Records must be kept of all leachate disposed of off-site.
P3-WT12	The holder of this approval must implement and maintain a recycling and reuse program for leachate.

Agency interest: Waste	
Condition number	Condition
P3-WS1	<p>The following waste is permitted to be received at waste disposal and waste transfer sites:</p> <ol style="list-style-type: none"> At Hogan's Pocket landfill: only general waste, limited regulated waste, and contaminated soils; and At all other waste disposal and waste transfer sites: only general waste and limited regulated waste.
P3-WS2	<p>Limited regulated waste is permitted to be received at waste disposal sites for disposal in accordance with the following limitations:</p> <ol style="list-style-type: none"> At Hogan's Pocket Landfill, limited regulated waste received in a year must not exceed 10% in weight of the total quantity of waste received for disposal at the site in a year; and At all other waste disposal sites, limited regulated waste received in a year must not exceed 5% in weight of the total quantity of waste received for disposal at the site in a year.
P3-WS3	<p>The following waste materials must not be disposed of to landfill:</p> <ol style="list-style-type: none"> radioactive wastes; explosives, pyrotechnics or propellants capable of supporting combustion; and whole tyres at the rate exceeding 10000 equivalent passenger-tyre units (EPU) per annum.
P3-WS4	<p>The only wastes to be accepted at a waste transfer facility are:</p> <ol style="list-style-type: none"> domestic waste; commercial and industrial wastes; putrescible wastes; solid inert wastes; limited regulated wastes (solid stream components only); green garden wastes; and construction and demolition wastes.
P3-WS5	<p>The following wastes must be kept in dedicated and separated areas at a waste transfer facility;</p> <ol style="list-style-type: none"> tyres; asbestos wastes; wet cell batteries; waste oil; green garden wastes; and solid stream components of regulated wastes.
P3-WS6	<p>The holder of this approval must:</p> <ol style="list-style-type: none"> implement measures to prevent litter being blown or washed from any site; and retrieve any waste that has moved off site.
P3-WS7	<p>Soil contaminated by radioactive material may only be disposed of if it meets the waste acceptance criteria for the disposal site.</p>

P3-WS8	Any waste which is likely to cause environmental harm when placed in an exposed position must be handled and disposed of by special burial.
P3-WS9	All waste materials accepted at waste facilities must be monitored and the holder of this authority must record the: <ol style="list-style-type: none"> 1. source; 2. volumes; and 3. material composition.
P3-WS10	In the event of becoming aware of any prohibited waste being received at a site the holder of this approval must immediately: <ol style="list-style-type: none"> 1. cease depositing such waste; 2. remove any deposited waste and store in a covered and bunded area; 3. arrange for a person who can lawfully transport such waste to collect it within 24 hours and remove it to a facility that can lawfully accept it; and 4. report the matter to the administering authority.
Agency interest: Land	
Condition number	Condition
P3-L1	When the deposition of waste to a landfill unit ceases, a final cover system to the landfill unit must be installed which minimises: <ol style="list-style-type: none"> 1. infiltration of water into a landfill unit; 2. the likelihood of any erosion occurring to either the final cover system or the landfilled materials; 3. uncontrolled release of landfill gas; and 4. geotechnical instability.
P3-L2	Post-closure care of the landfill unit must be conducted until it can be shown that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.
P3-L3	A site management plan pursuant to the <i>Environmental Protection Act 1994</i> and other relevant legislation must be developed and provided to the administering authority at least 12 months before the expected final receipt of wastes in the landfill unit.
P3-L4	Effective fire-breaks must be provided and maintained at all licensed sites.
P3-L5	A pest management plan must be developed and implemented to manage invasive species and nuisance vectors on site.

Part 4 – Conditions Specific to Sewage Treatment Activities

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no- release works, with a total daily peak design capacity of, (f) more than 50,000 but not more than 100,000EP	Mackay South Water Recycling Facility, Temples Lane, Bakers Creek - Lot 1 on RP900909, Lot 4 on RP900911, Lot 4 on SP143870 & Lot 154 on SP112957 Mt Bassett Waste Water Treatment Plant, 355 Mount Bassett Cemetery Road, North Mackay - Lot 355 Plan CI2914
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no- release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Seaforth Camp ground, 2/22 Palm Avenue, Seaforth - Lot 464 Plan CI3953
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no- release works, with a total daily peak design capacity of, (e) more than 10,000 but not more than 50,000EP	Mackay North Water Recycling Facility, Bucasia Road, Bucasia - Lot 1 Plan SP115429 & Lot 2 on AP15875
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no- release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Sarina Water Recycling Facility, Smyth Road, Sarina – Lot 10 Plan SP244504 Old Sarina WWTP, Brewers Road, Sarina – Lot 1 Plan RP723668

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

Agency interest: General	
Condition number	Condition
P4-G1	This environmental authority authorises the construction and operation of: <ol style="list-style-type: none"> 1. A sewage treatment plant with a maximum daily treatment design capacity of no more than 100 000 equivalent person (EP) at Lot 1 on RP900909, Lot 4 on RP900911, Lot 4 on SP143870, Lot154 on SP112957 and Lot 355 CI2914; 2. A sewage treatment plant with a maximum daily treatment design capacity of no more than 50 000 EP at Lot 1 Plan SP115429 and Lot 2 on AP15875; 3. A sewage treatment plant with a maximum daily treatment design capacity of no more than 10 000 EP at Lot 1 Plan RP723668 and Lot 10 SP244504; 4. A sewage treatment plant with a maximum daily treatment design capacity of no more than 1 500 EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme at Lot 464 Plan CI3953.
P4-G2	Any place authorised under this part and treating more than 1,500 EP is able to receive sewage sludge and residues, including nightsoil and septic tank sludge.
P4-G3	The Mackay South Water Recycling Facility and associated sewage network is able to receive leachate from council landfills and waste brine from council Water Treatment Plants.

	The holder of this authority must record the volume of leachate and waste brine disposed of at the Mackay south facility and associated sewage network.
P4-G4	No leachate is to be accepted at the Temples Lane facility when flows into the plant are in excess of 3 x DADWF .
P4-G5	The holder of this authority must implement and maintain a recycling and re-use program for post treatment discharges. The program must outline but not be limited to: <ol style="list-style-type: none"> 1. investigation of the feasibility of alternative options, practices and procedures to minimise the volume and concentration of contaminants released to waters; and 2. practices and procedures to maintain minimal mass loads for total nitrogen and total phosphorus released into the receiving environment.
P4-G6	An annual monitoring report must be prepared for each site licensed under this authority each year and presented to the administering authority when requested. This report shall include but not be limited to: <ol style="list-style-type: none"> 1. updates to any reports or programs required under this authority; 2. monitoring results obtained under this authority; 3. an analysis of the data from any monitoring programs; 4. all records kept under this authority; 5. records of non-notifiable events such as equipment failures or minor releases; 6. actions taken or proposed to minimise the environmental risk from the activity; 7. the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months and the progressive total number of connections; and 8. a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.
P4-G7	The holder of this authority must notify the administering authority via the 24 hour Pollution Hotline or the district office no later than three hours after becoming aware of a sewage release that: <ol style="list-style-type: none"> 1. poses a threat to public health (e.g. contamination of waters with primary recreation values); 2. results in any observable environmental impact (e.g. fish kill, distress to wildlife, marine plants or other aquatic life); 3. discharges to, or is likely to impact, a sensitive environment (e.g. Ramsar wetland, marine park, or area designated as a conservation zone under a relevant planning scheme); or 4. is 10 000 litres or more during dry weather.
P4-G8	A final report must be provided to the administering authority within 14 business days of the conclusion of the spill response and remediation of a notifiable release, but no later than 20 business days after the commencement of the release.
P4-G9	All releases that are not notifiable releases must be reported to the administering authority in the form of an annual report.
P4-G10	Annual reports must clearly identify: <ol style="list-style-type: none"> 1. the number of releases; 2. the volume (or estimate of the volume) of each release; and 3. the location of each release.

P4-G11	<p>For all sites that release to waters the holder of this approval must implement and keep records of a Receiving Environment Monitoring Program (REMP) to monitor the effects of the release of contaminants on the 'receiving environment'. The REMP must address at least the following:</p> <ol style="list-style-type: none"> 1. a description of applicable environmental values and water quality objectives to be achieved in the receiving environment including the identification of specific contaminant concentrations or levels established to indicate adverse environmental impacts; 2. a description of the selected physiochemical (including but not limited to pH, total nitrogen, total phosphorous, ammonia, dissolved oxygen, total suspended solids) and biological factors including but not limited to Enterococci and algal monitoring and the reason for their inclusion; 3. the specific location and depth of monitoring points, including transects monitoring, outfall and control locations of each point to the outfall and recording the time and tidal situation and current; 4. the frequency of sampling and analysis which must consider guideline requirements for sampling events in a reporting period; 5. identify environmental concerns; 6. determine natural and human induced factors affecting the receiving environment; 7. determine the ambient water quality of receiving environment; and 8. the spatial boundaries of the study will be determined on a receiving environment basis. <p><i>The spatial extent on water monitoring associated with the REMP may be limited during times of wet weather due to safety of access to upstream and downstream monitoring locations.</i></p>
P4-G12	Authorised sites above 1,500EP must be provided with an emergency power source.
Agency interest: Water	
Condition number	Condition
P4-WT1	<p>Release to water must only occur:</p> <ol style="list-style-type: none"> 1. In compliance with water quality limits for release; 2. for Mackay South Water Recycling facility when the rainfall trigger is met¹; 3. for Mackay North Water Recycling Facility only during ebbing tide from 1 hour prior to local high tide until three hours after local high tide. For flow events greater than 3 X DADWF, discharges can occur during alternative tidal periods, except for two hours before and after low tide; and 4. for Mackay North Water Recycling Facility releases around-diurnal high tide days; the release volume for the diurnal high tide day, the two days prior and the two days after are to be averaged out (and used for assessment against the maximum daily release volume) if the release volume for the day prior or the day after exceeds the maximum daily release volume. <p>¹ The rainfall trigger allows 500ML of release over a 5 day period following 30mm recorded as received at the treatment site.</p>
P4-WT2	The storages associated with the Mackay South Water Recycling Facility must have the capacity to store at least 2,740 mega litres of treated effluent.
P4-WT3	<p>The following records must be kept for each release via an authorised release point:</p> <ol style="list-style-type: none"> 1. monitoring data;

	<div>2. an estimation of flow in, and a description of, the receiving environment;</div> <div>3. the volume released; and</div> <div>4. at Mackay South Water Recycling Facility, rainfall trigger data.</div>																						
P4-WT4	Following a release of untreated or partially treated effluent downstream commercial and industrial users must be notified as soon as possible. Records must be kept of these notifications.																						
P4-WT5	<div>Calculate and keep records of mass loads of total nitrogen and total phosphorus released to waters. Mass loads must be calculated using the following formula and must comply with the limits listed in <i>Part 4 - Tables 1 and 2</i>.</div> <div>Annual Mass Load = [yearly median concentration mg/L x average annual ADWF ML/day x number of days releases to waters occur in a year]</div>																						
P4-WT6	<div>Records must be kept showing compliance with Part 4 - Table 1 and Table 2</div> <div>Part 4 - Table 1 - Mass Load limits – Mackay South Water Recycling Facility Temples Lane</div> <table><tr><th>Release point</th><th>Contaminant</th><th>Release limit (kg/year)</th><th>Limit type</th></tr><tr><td rowspan="2">W1 & W3</td><td>Total Nitrogen</td><td>61399</td><td>Maximum</td></tr><tr><td>Total Phosphorus</td><td>12280</td><td>Maximum</td></tr></table> <div>Part 4 - Table 2 - Mass Load limits - Mackay North Water Recycling Facility Bucasia Dump Road</div> <table><tr><th>Release point</th><th>Contaminant</th><th>Release limit (kg/year)</th><th>Limit type</th></tr><tr><td rowspan="2">W1</td><td>Total Nitrogen</td><td>8950</td><td>Maximum</td></tr><tr><td>Total Phosphorus</td><td>1790</td><td>Maximum</td></tr></table>	Release point	Contaminant	Release limit (kg/year)	Limit type	W1 & W3	Total Nitrogen	61399	Maximum	Total Phosphorus	12280	Maximum	Release point	Contaminant	Release limit (kg/year)	Limit type	W1	Total Nitrogen	8950	Maximum	Total Phosphorus	1790	Maximum
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Release point	Contaminant	Release limit (kg/year)	Limit type																				
W1	Total Nitrogen	8950	Maximum																				
	Total Phosphorus	1790	Maximum																				
P4-WT7	<div>The total volumes to be released to waters for dry weather days and wet weather days are shown in <i>Part 4 - Table 3 - Total volumes release to waters on dry weather days and wet weather days</i>.</div> <div>Part 4 - Table 3 - Total volumes release to waters on dry weather days and wet weather days</div> <table><tr><th>Release Point</th><th>Maximum release on any dry weather day (unit)</th><th>Maximum release on any wet weather day (unit)</th></tr><tr><td>Mackay South Water Recycling Facility W1 and W3</td><td>-</td><td>500 (ML) released over a 5 day period when 30mm of rain has been received and recorded at the treatment plant site.</td></tr><tr><td>Mackay North Water Recycling Facility W1</td><td>4.9 (ML)</td><td>24.5 (ML)</td></tr><tr><td>Sarina WRF</td><td>2.160 (ML)</td><td>9.2 (ML)</td></tr></table>	Release Point	Maximum release on any dry weather day (unit)	Maximum release on any wet weather day (unit)	Mackay South Water Recycling Facility W1 and W3	-	500 (ML) released over a 5 day period when 30mm of rain has been received and recorded at the treatment plant site.	Mackay North Water Recycling Facility W1	4.9 (ML)	24.5 (ML)	Sarina WRF	2.160 (ML)	9.2 (ML)										
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Sarina WRF	2.160 (ML)	9.2 (ML)																					
P4-WT8	<div>Treated effluent may only be released to Plane Creek in compliance with <i>Part 4 Table 4 - Contaminant release limits to waters - Sarina Water Recycling Facility</i>.</div> <div>Part 4 - Table 4 - Contaminant release limits to waters - Sarina Water Recycling Facility</div>																						

	Release Location	Quality characteristics	Limit Type	Limit	Monitoring frequency
	GDA2020 coordinates - 21.41598704, 149.2449071 SW1 - Plant outfall Pipe to Plane Creek	5-day Biochemical Oxygen Demand (inhibited)	Maximum	15 mg/L	Weekly
		Suspended Solids	Maximum	15 mg/L	
		pH	Range	6.5 – 8.5	
		Total Nitrogen (TN)	Maximum	15 mg/L	
			Long Term 50th Percentile	5 mg/L	
			Short Term 50th Percentile	8.5mg/L	
		Total Phosphorus (TP)	Maximum	3 mg/L	
			Long Term 50th Percentile	1 mg/L	
			Short Term 50th Percentile	1.7 mg/L	
		Thermotolerant Coliforms	Long Term 50th Percentile	150 CFU/100mL / MPN/100mL	
			Maximum	600 CFU/100mL / MPN/100mL	
		Enterococci	Long Term 50th Percentile	40 CFU/100mL	
			Maximum	200 CFU/100mL	
		Ammonia	Long Term 50th Percentile	0.5mg/L	
			Short Term 50th Percentile	2.3 mg/L	
			Maximum	3 mg/L	
		Dissolved Oxygen	Minimum	2 mg/L	
P4-WT9	Samples that are taken for the purposes of determining compliance with condition P4-WT8 must be taken at the end point of the sewage treatment train situated at Lot 10 on SP244504.				

P4-WT10	<p>Treated effluent may only be released to Bakers Creek and RWS2 from Mackay South Water Recycling Facility (MSWRF) in compliance with <i>Part 4 - Table 5: Contaminant release limits to waters - Mackay South Water Recycling Facility Temples Lane</i>.</p> <p>Part 4 - Table 5: Contaminant release limits to waters - Mackay South Water Recycling Facility Temples Lane</p> <table><tr><th>Release Location</th><th>Quality characteristics</th><th>Limit Type</th><th>Limit</th><th>Monitoring frequency</th></tr><tr><td rowspan="10">GDA2020 coordinates - 21.20568703, 149.1252401 W1 - Discharge to Bakers Creek from MSWRF and GDA2020 coordinates - 21.20725403, 149.1152571) W3 - Discharge to Bakers Creek from RWS2 (Recycled Water Storage 2)</td><td>5-day Biochemical Oxygen Demand (inhibited)</td><td>Maximum</td><td>20 mg/L</td><td rowspan="10">Weekly During Discharge Events</td></tr><tr><td>Suspended Solids</td><td>Maximum</td><td>30 mg/L</td></tr><tr><td>pH</td><td>Range</td><td>6.0 – 8.5</td></tr><tr><td>Total Nitrogen</td><td>Maximum</td><td>30 mg/L</td></tr><tr><td>Total Phosphorus</td><td>Maximum</td><td>15 mg/L</td></tr><tr><td rowspan="3">Thermotolerant Coliforms</td><td>Long Term 50th Percentile</td><td>150 CFU/100mL</td></tr><tr><td>Long Term 90th Percentile</td><td>1,000 CFU/100mL</td></tr><tr><td>Maximum</td><td>4,000 CFU/100mL / MPN/100mL</td></tr><tr><td rowspan="2">Ammonia</td><td></td><td></td></tr><tr><td>Maximum</td><td>6 mg/L</td></tr><tr><td>Dissolved Oxygen</td><td>Minimum</td><td>2 mg/L</td></tr></table>	Release Location	Quality characteristics	Limit Type	Limit	Monitoring frequency	GDA2020 coordinates - 21.20568703, 149.1252401 W1 - Discharge to Bakers Creek from MSWRF and GDA2020 coordinates - 21.20725403, 149.1152571) W3 - Discharge to Bakers Creek from RWS2 (Recycled Water Storage 2)	5-day Biochemical Oxygen Demand (inhibited)	Maximum	20 mg/L	Weekly During Discharge Events	Suspended Solids	Maximum	30 mg/L	pH	Range	6.0 – 8.5	Total Nitrogen	Maximum	30 mg/L	Total Phosphorus	Maximum	15 mg/L	Thermotolerant Coliforms	Long Term 50th Percentile	150 CFU/100mL	Long Term 90th Percentile	1,000 CFU/100mL	Maximum	4,000 CFU/100mL / MPN/100mL	Ammonia			Maximum	6 mg/L	Dissolved Oxygen	Minimum	2 mg/L
Release Location	Quality characteristics	Limit Type	Limit	Monitoring frequency																																		
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		Maximum	4,000 CFU/100mL / MPN/100mL																																			
	Ammonia																																					
		Maximum	6 mg/L																																			
Dissolved Oxygen	Minimum	2 mg/L																																				
P4-WT11	<p>Treated effluent may only be released to waters from Mackay North Water Recycling Facility (MNWRF) in compliance with <i>Part 4 - Table 6 - Contaminant release limits to waters – Mackay North Water Recycling Facility</i>..</p> <p>Part 4 - Table 6 - Contaminant release limits to waters – Mackay North Water Recycling Facility</p> <table><tr><th>Release Location</th><th>Quality characteristics</th><th>Limit Type</th><th>Limit</th><th>Monitoring frequency</th></tr><tr><td rowspan="3">GDA2020 coordinates - 21.02158703, 149.1317401) W1 - Discharge to Reliance Creek</td><td>5-day Biochemical Oxygen Demand (inhibited)</td><td>Maximum</td><td>20 mg/L</td><td rowspan="3">Weekly</td></tr><tr><td>Suspended Solids</td><td>Maximum</td><td>30 mg/L</td></tr><tr><td>pH</td><td>Range</td><td>6.0 – 8.5</td></tr></table>	Release Location	Quality characteristics	Limit Type	Limit	Monitoring frequency	GDA2020 coordinates - 21.02158703, 149.1317401) W1 - Discharge to Reliance Creek	5-day Biochemical Oxygen Demand (inhibited)	Maximum	20 mg/L	Weekly	Suspended Solids	Maximum	30 mg/L	pH	Range	6.0 – 8.5																					
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	Suspended Solids	Maximum	30 mg/L																																			
	pH	Range	6.0 – 8.5																																			

		Total Nitrogen (TN)	Maximum	30 mg/L
		Total Phosphorus (TP)	Maximum	15 mg/L
		Thermotolerant Coliforms	Long Term 50th Percentile	150 CFU /100mL / MPN/100mL
			Long Term 90th Percentile	1,000 CFU /100mL / MPN/100mL
			Maximum	4,000 CFU /100mL / MPN/100mL
		Ammonia	Long Term 90th Percentile	3 mg/L
			Maximum	6 mg/L
		Dissolved Oxygen	Minimum	2 mg/L

P4-WT12	Records of monitoring undertaken must be kept and made available to the administering authority on request.																				
P4-WT13	All determinations of the quality of the contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements, such as accredited by the National Association Testing Authority (NATA).																				
P4-WT14	<p>Disinfection is to occur as per <i>Part 4 - Table 8 – Disinfection of release to waters</i>.</p> <p>Part 4 - Table 8 - Disinfection of release to waters</p> <table><tr><th>Site</th><th>Release Point</th><th>Less than 3*DADWF</th><th>Greater than 3*DADWF</th></tr><tr><td>MSWRF (receiving environment)</td><td>W1</td><td>UV Disinfection</td><td>None</td></tr><tr><td>MSWRF (storages)</td><td>W3</td><td>Chlorination</td><td>None</td></tr><tr><td>MNWRF</td><td>W1</td><td>UV Disinfection</td><td>None</td></tr><tr><td>SWRF</td><td>SW1</td><td>Disinfection by means other than chlorination</td><td>None</td></tr></table>	Site	Release Point	Less than 3*DADWF	Greater than 3*DADWF	MSWRF (receiving environment)	W1	UV Disinfection	None	MSWRF (storages)	W3	Chlorination	None	MNWRF	W1	UV Disinfection	None	SWRF	SW1	Disinfection by means other than chlorination	None
Site	Release Point	Less than 3*DADWF	Greater than 3*DADWF																		
MSWRF (receiving environment)	W1	UV Disinfection	None																		
MSWRF (storages)	W3	Chlorination	None																		
MNWRF	W1	UV Disinfection	None																		
SWRF	SW1	Disinfection by means other than chlorination	None																		
P4-WT15	Disinfection of effluent discharged to waters must be undertaken using forms of disinfection as per <i>Part 4 – Table 8 – Disinfection of release to waters</i> . The disinfection criteria specified in <i>Part 4 - Tables 4 to 7</i> shall not apply to events greater than 3 x DADWF however hydraulically the disinfection systems are to accommodate greater than 5 x DADWF .																				
P4-WT16	<p>Bypass flow events must only occur for wet weather related flows that are in excess of the 3 x DADWF specified in <i>Table 9 – 3 x DADWF at WWTP</i>. You must record the time, date and the volume of flow for each bypass release.</p> <p>Part 4 - Table 9 - 3 x DADWF at WWTP</p>																				

	Facility	Address	3 X DADWF		
			L/s Instantaneous Flow	ML/day	
	MSWRF	Temples Lane Te Kowai QLD 4740	774	66.9	
	MNWRF	Bucasia Dump Road Bucasia QLD 4750	170	14.7	
	SWRF	Smyth Road, Sarina QLD 4737	69	6	
P4-WT17	Bypass releases must be screened prior to being released.				
P4-WT18	The administering authority must be notified within 24 hours of any bypass release ceasing.				
P4-WT19	The following details must be recorded in relation to each bypass release: 1. the start time, date and duration of the release; 2. the estimated volume of the bypass release; 3. the level of treatment at the sewage treatment plant prior to discharge; 4. the cause of the release; and 5. any monitoring of the water quality released.				
Agency interest: Land					
Condition number	Condition				
P4-L1	The only contaminants permitted to be released to land are: 1. treated effluent in compliance with the limits levels stated in Part 4 - Table 10 - Contaminant release limits to land; and 2. otherwise as stated in the conditions of this authority.				
	Part 4 - Table 10 - Contaminant Release Limits to Land				
	Monitoring location	Water Quality Characteristics	Limit Type	Limit	Monitoring Frequency
	W2 - Point of transfer to MSWRF RWS's & Point of transfer to MNWRF recycled water users and Point of transfer to SWRF recycled water users	5-day BOD	Maximum	20mg/L	Monthly
		Suspended Solids	Maximum	30mg/L	Weekly
		pH	Range	6.0 – 8.5	Weekly
		Total Nitrogen (TP)	Long-term 50th Percentile	10 mg/L	Weekly
			Maximum	30 mg/L	Weekly
		Total Phosphorus (TP)	Long-term 50th Percentile	8 mg/L	Weekly
			Maximum	15 mg/L	Weekly
		Thermotolerant Coliforms	Long-term 50th Percentile	1,000 CFU/100mL / MPN/100mL	Weekly

			Maximum	4,000 CFU/100mL / MPN/100mL	Weekly
		Volume	-	Litres	Daily
	Outlet from treated effluent storage tank at Seaforth	5-day BOD	Maximum	20mg/L	Quarterly
		Suspended Solids.	Maximum	30mg/L	Quarterly
		Thermotolerant Coliforms	Maximum	4,000 CFU/100mL/ MPN/100mL	Quarterly
P4-L2	Records of monitoring undertaken as per condition P4-L1 must be kept and made available to the administering authority on request.				
P4-L3	The brokerage of treated effluent shall only occur under written contract stating that the transferee and transferor acknowledge the General Environmental Duty.				
P4-L4	All irrigated area must have visible signage identifying that irrigation of treated effluent is taking place.				
Agency interest: Waste					
Condition number	Condition				
P4-WS1	A record must be kept of all waste received on site or transferred off site.				
P4-WS2	Screenings, grit and sludge generated by the sewage treatment process must not be stored on site for any period of time longer than that necessary to dewater the screenings, grit and sludge and prepare it for transport.				
P4-WS3	The treatment and storage of screenings, grit and sludge on site for the purposes of dewatering and preparation for transport must be carried out using all necessary and appropriate means to minimise the release of contaminants to the surrounding environment. This includes, but is not limited to: 1. the release of contaminants to any water (including stormwater and groundwater); 2. the release of odour producing compounds to the atmosphere; and 3. the release of dust.				

Part 5 – Conditions specific to water treatment activity

Environmentally relevant activity/activities	Location(s)
64-(3) Water treatment >10ML raw water day	Nebo Road Water Treatment Plant, West Mackay - Lot 389 Plan SP237091

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

Agency interest: General						
Condition number	Condition					
P5-G1	Records of monitoring undertaken under this part must be kept and made available to the administering authority on request.					
P5-G2	Notifiable Release The holder of this authority must notify the administering authority via the 24 hour Pollution Hotline or the district office no later than three hours after becoming aware of a release into Kaliguil Lagoons that results in any observable environmental impact (e.g. fish kill, distress to wildlife, marine plants or other aquatic life).					
P5-G3	A final report must be provided to the administering authority within 14 business days of the conclusion of the spill response and remediation of a notifiable release, but no later than 20 business days after the commencement of the release.					
P5-G4	All releases that are not notifiable releases must be reported to the administering authority in the form of an annual report.					
P5-G5	Annual reports outlining all releases in accordance with Condition P5-G4 must clearly identified: 1. the number of releases; 2. the volume (or estimate of the volume) of each release; and 3. the location of each release.					
Agency interest: Water						
Condition number	Condition					
P5-WT1	The only permitted release to waters from the facility is treated wastewater from the municipal water treatment.					
P5-WT2	Contaminants must only be released to Kaliguil Lagoon in compliance with Part 5 – Table 1. Part 5 - Table 1 - Release limits to waters					
	Monitoring / Release Point	Quality Characteristics	Min.	Long- term 90th Percentile	Max.	Monitoring Frequency
	LAG1	Total Suspended	-	20	50	Weekly

	GDA2020 coordinates - 21.16109704, 149.1585671)	solids (mg/L)					
		pH	6.5	-		8.5	Weekly
		Dissolved Oxygen (mg/L)	2	-		-	Weekly
		Soluble Aluminum (mg/L)	-	1		-	Weekly

Definitions for Parts 1 to 5

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

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

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

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills 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.

Average dry weather flow (ADWF) is the average flow measure over a period of seven consecutive days, the period to be chosen such that rainfall is less than 2.5mm/day, infiltration of stormwater into the sewage system is at a minimum and any abnormal influences such as public holidays are excluded.

Boundary means within 1m of the cadastral **boundary** of the authorised place.

Bypass means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow (i.e. three times the Design Average Dry Weather Flow) resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.

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.

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

Dry weather day means a day during which less than 1 mm of rainfall is recorded at any rainfall measuring station as agreed between council and the administering authority within the sewerage system connected to the wastewater treatment plant. The term also excludes days during which recorded rainfall over the fourteen (14) preceding days exceed 50mm.

Environmental nuisance (the EP Act) is unreasonable interference or likely interference with an **environmental value** caused by—

1. aerosols, fumes, light, noise, odour, particles or smoke; or
2. an unhealthy, offensive or unsightly condition because of contamination; or
3. another way prescribed by regulation.

Environmental value (the EP Act) is—

1. a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or
2. another quality of the environment identified and declared to be an environmental value under an environmental protection policy or regulation.

Long-term 50th percentile means the median value of the measured values in ranked order of the quality characteristic is not to exceed the stated release limit for any fifty two (52) consecutive samples where:

1. the consecutive samples are taken at approximately equal periods; and
2. the time interval between the taking of each consecutive sample is not less than six (6) days.

Long term 90th percentile means that not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any fifty two (52) consecutive samples where:

1. the consecutive samples are taken at approximately equal periods; and
2. the time interval between the taking of each consecutive sample is not less than six (days) nor greater than eleven (11) days.

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

Noxious means harmful or injurious to health or physical well-being.

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

Prescribed contaminants means contaminants listed within Schedule 10 of the *Environmental Protection Regulation 2019*.

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

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

Short term 50th percentile means that the median values in ranked order of the quality characteristics is not to exceed the stated release limit for any five (5) consecutive samples where:

1. the consecutive samples are taking over a five (5) week period;
2. the consecutive samples are taken at approximately equal periods; and

3. the time interval between the taken of each consecutive sample is not less than six (6) days nor greater than eleven (11) days.

Weekly means that a sample is collected each week and the subsequent sample may be taken on the seventh day or eight day following that day and is inclusive of Saturdays and Sundays) i.e. on the same day every week or day rolling forward each week this week Monday, next week Tuesday.

Wet weather day means a day during which greater than 1 mm of rainfall is recorded at any rainfall measuring station as agreed between council and the administering authority within the sewer area connected to the wastewater treatment plant. The term also includes days during which recorded rainfall over the fourteen (14) preceding days exceed 50mm

You means the holder of the environmental authority.

Part 6 – Conditions for sewage treatment at Mirani Water Recycling Facility

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Lot 908/SP28745
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Lot 1/SP140442

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

Agency interest: General	
Condition number	Condition
P6-G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: <ol style="list-style-type: none"> 1. This environmental authority authorises the construction and operation of a sewage treatment plant (the Water Recycling Facility) with a maximum daily treatment design capacity of no more than 7000 equivalent persons (EP) at Lot 1 on Plan SP140442 2. Inflows must not exceed the peak design capacity of 3 times the Design Average Dry Weather Flow (DADWF) of 56 L/s instantaneous flow on any day unless the standard treatment processes of the plant are bypassed.
P6-G2	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
P6-G3	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the administering authority upon request and in the format requested.
P6-G4	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
P6-G5	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
P6-G6	A receiving environment monitoring program must be designed and implemented by an appropriately qualified person(s) to monitor the effects of the activity on waters .
P6-G7	The receiving environment monitoring program (REMP) required by condition P6-G8. must include at least the following: <ol style="list-style-type: none"> a) A description of applicable environmental values and water quality objectives for the receiving environment including the identification of specific contaminant concentrations or levels established to indicate adverse environmental impacts, taking into consideration any temporal variation (e.g. seasonality);

	<ul style="list-style-type: none"> b) A description of the selected physiochemical (including but not limited to pH, total nitrogen, total phosphorous, ammonia, dissolved oxygen, total suspended solids, chlorine) and biological factors including but not limited to Enterococci and algal monitoring to be monitored as a part of the REMP and the reason for their inclusion; c) The frequency of sampling and analysis, which must consider guideline requirements for sampling events in a reporting period; d) Records of the specific location and depth of monitoring points, including transects monitoring, outfall, and control locations of each point relative to the outfall and recording the time and tidal situation and current of receiving waters when monitoring is undertaken; e) An analysis of the results obtained, including a determination of whether there has been any impact from the releases of the activity on environmental values and water quality objectives of the receiving environment; and f) Any relevant reports prepared by other governmental or professional research organisations that relate to the receiving environment within which the receiving environment monitoring program is proposed.
P6-G8	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses.
P6-G9	An annual monitoring report must be prepared each year for the preceding calendar year, and submitted to the administering authority upon request.
P6-G10	<p>You must record the following details for all environmental complaints received:</p> <ul style="list-style-type: none"> 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.

P6-G11	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority to investigate a complaint of environmental nuisance arising from the activity . The monitoring results must be provided within 10 business days to the administering authority upon its request.
P6-G12	<p>The activity must be undertaken in accordance with written procedures that:</p> <ol style="list-style-type: none"> 1. identify potential risks to the environment from the activity during routine operations, closure and an emergency 2. establish and maintain control measures that minimise the potential for environmental harm 3. ensure plant, equipment and measures are maintained in a proper and effective condition 4. ensure plant, equipment and measures are operated in a proper and effective manner 5. ensure that staff are trained in and aware of their obligations under the <i>Environmental Protection Act 1994</i> 6. ensure that reviews of environmental performance are undertaken at least annually.
P6-G13	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
P6-G14	The sewage treatment plant is able to receive sewage sludge and residues, including nightsoil and septic tank sludge for stabilisation and dewatering.
P6-G15	All waste generated in carrying out the activity must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Noise	
Condition number	Condition
P6-N1	Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .
Agency interest: Air	
Condition number	Condition
P6-A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance at a sensitive place or commercial place .

P6-A2	Contaminants must only be released to air from the point source(s) in accordance with Table 1 – Point source air release location.																										
	Part 6 - Table 1 – Point source air release location																										
	Release Point	Easting	Northing	Permitted releases																							
	Stack of the Air Treatment Facility	695721.934	7658739.473	Treated emissions of the Air Treatment Facility																							
Agency interest: Land																											
Condition number	Condition																										
P6-L1	Contaminants must not be released to land .																										
Agency interest: Water																											
Condition number	Condition																										
P6-WT1	<p>a) The only contaminants to be released to surface waters excluding bypass releases covered by water conditions P6-WT6 and P6-WT7 are from the sewage treatment plant, 60ML dam and 300ML dam to waters described as the adjacent cane drain flowing to De Moleyns Lagoon in accordance with Table -- Surface water releases and the associated requirements.</p> <p>b) Monitoring of contaminant releases to waters excluding bypass releases covered by water conditions P6-WT6 and P6-WT7 must be undertaken in accordance with Table – Surface water releases and the associated requirements and records of the results must be kept.</p> <p>Part 6 – Table 2 – Surface water releases</p> <table><tr><th>Release points</th><th>Quality characteristic</th><th>Limit type</th><th>Limit (units)</th><th>Monitoring points</th><th>Monitoring frequency</th></tr><tr><td>-</td><td>Total volume outflow from the Water Recycling Facility</td><td>No limit</td><td>ML</td><td>MP1</td><td>Daily</td></tr><tr><td rowspan="2">W1 and W2</td><td>Total volume released to waters</td><td>Maximum</td><td>40% of annual total volume outflow from the Water Recycling Facility, ML</td><td>W1 and W2</td><td>Daily when a release occurs</td></tr><tr><td>5-day Biochemical Oxygen Demand</td><td>Maximum</td><td>20 mg/L</td><td>MP2</td><td>Weekly</td></tr></table>				Release points	Quality characteristic	Limit type	Limit (units)	Monitoring points	Monitoring frequency	-	Total volume outflow from the Water Recycling Facility	No limit	ML	MP1	Daily	W1 and W2	Total volume released to waters	Maximum	40% of annual total volume outflow from the Water Recycling Facility, ML	W1 and W2	Daily when a release occurs	5-day Biochemical Oxygen Demand	Maximum	20 mg/L	MP2	Weekly
Release points	Quality characteristic	Limit type	Limit (units)	Monitoring points	Monitoring frequency																						
-	Total volume outflow from the Water Recycling Facility	No limit	ML	MP1	Daily																						
W1 and W2	Total volume released to waters	Maximum	40% of annual total volume outflow from the Water Recycling Facility, ML	W1 and W2	Daily when a release occurs																						
	5-day Biochemical Oxygen Demand	Maximum	20 mg/L	MP2	Weekly																						

	(BOD5)				
	Total Suspended solids	Maximum	30 mg/L		
	pH	Range	6.5-8.5		
	Total Nitrogen (TN)	Maximum	30 mg/L		
	Total Phosphorus (TP)	Maximum	15 mg/L		
	Thermotolerant Coliforms	Maximum	600 cfu/100mL / MPN/100mL		
	Ammonia	Long-term 90th percentile	3 mg/L		
		Maximum	6 mg/L		
	Dissolved Oxygen	Minimum	2 mg/L		
	Total Chlorine	Maximum	0.7 mg/L		

Associated requirements

1. Releases to waters are only permitted when there is sufficient water in the cane drain to achieve a minimum of one part effluent to five parts stream dilution.
2. Release Point W1 is located at GDA2020 coordinates -21.16358701, 148.8861871, and all controlled releases from the Water Recycling Facility and the 60ML storage dam must be released through W1 (refer to Part 6 Attachment 1 – Release points and Monitoring Points).
3. Release Point W2 is located at GDA2020 coordinates -21.1685460129234, 148.892601115176), and all controlled releases from 300ML storage dam must be released through W2 (refer to Part 6 Attachment 1 – Release points and Monitoring Points).
4. Monitoring Point MP1 is located at the WRF monitors the volume of outflow from the WRF (refer to Part 6 Attachment 1 – Release points and Monitoring Points for the approximate location of MP1).
5. Monitoring Point MP2 is located post disinfection and represents treated effluent leaving the WRF (refer to Part 6 Attachment 1 – Release points and Monitoring Points for the approximate location of MP2).
6. Indicators for TN and TP must be done as 24 hour composite samples.
7. For compliance with the limit for annual volume released to waters, volumes must be calculated on a rolling weekly basis.
8. Sampling and monitoring must be in accordance with the **administering authority's** Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.
9. Sampling and monitoring must be undertaken when the **activity** is in operation.
10. Total outflow refers to treated discharges only and excludes flows that are **bypassed**.

P6-WT2	In addition to P6-WT2., the release to waters must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter excluding bypass releases covered by water conditions P6-WT6. and P6-WT7.
P6-WT3	An appropriately qualified person must develop and implement an Algae Management Plan for the recycled water storages on the site. This plan must include: <ul style="list-style-type: none"> a) Identification of conditions in the recycled water storages likely to promote algal blooms; b) Mitigation measures implemented in the recycled water storages to prevent the formation of algal blooms; c) Ongoing monitoring requirements for the recycled water storages to determine the impact of algal blooms on water quality. This must include monitoring of pH, suspended solids and chlorophyll-a (to determine algae biomass), and a determination of the level of toxicity of the algae in the bloom in relation to likelihood of causing adverse impacts to environmental values upon release; d) Mitigation measures to be undertaken to reduce or remove algal blooms from the recycled water storages should algal blooms form; e) Contingency measures to prevent environmental harm from releases, including trigger limits above which releases from the recycled water storages to waters should not be made.
P6-WT4	A downstream inspection must be undertaken one month after releases from the Water Recycling Facility to assess and record any environmental impacts from the discharges.
P6-WT5	The holder of this authority must implement and maintain a recycling and re-use program for post treatment discharges. The program must outline but not be limited to: <ul style="list-style-type: none"> a) investigation of the feasibility of alternative options, practices and procedures to minimise the volume and concentration of contaminants released to waters b) practices and procedures to maintain minimal mass loads for total nitrogen and total phosphorus released into the receiving environment.
P6-WT6	Bypass releases must be screened prior to being released from release point W3. Release Point W3 is located GDA2020 coordinates -21.1636340123384, 148.886098116167 (refer to Part 6 Attachment 1 – Release points and Monitoring Points).
P6-WT7	The administering authority must be notified within 24 hours of any bypass release ceasing.
P6-WT8	The following details must be recorded in relation to each bypass release: <ul style="list-style-type: none"> a) the start time, date and duration of the release; b) the estimated volume of the bypass release; c) the level of treatment at the sewage treatment plant prior to discharge; d) the cause of the release; and e) any monitoring of the water quality released.

Definitions for Parts 6

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

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

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

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

Bypass means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.

BOD5 means the 5 day biochemical oxygen demand determined using standard tests (e.g. those used by NATA laboratories). This test is not inhibited for nitrification, otherwise would be referred to as “carbonaceous” BOD.

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

Day means any 24 hour period.

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

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

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

Long Term 90th percentile means not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any fifty-two (52) consecutive samples where:

- (i) The consecutive samples are taken at approximately equal periods; and
- (ii) The time interval between the taking of each consecutive sample is not less than six (6) days and not greater than eleven (11) days.

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

NATA means National Association of Testing Authorities.

Receiving environment monitoring program means a monitoring program designed to monitor and assess the potential impacts of controlled and/or uncontrolled releases of contaminants to the environment from the activity.

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

Release of a contaminant into the environment means to:

- a) deposit, discharge, emit or disturb the contaminant

- b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- d) allow the contaminant to escape
- e) fail to prevent the contaminant from escaping.

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

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

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

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

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

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

You means the holder of the environmental authority.

Part 6 Attachment 1 – Mirani WRF Release Points and Monitoring Points



Part 7 – Conditions for Sewage Pumping Stations

Environmentally relevant activity/activities	Location(s)
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSAN09, Hargraves Street SPS, (GDA2020 coordinates: - 21.09232974, 149.1796709)</p> <p>PSSL07, Magpie Street SPS, (GDA2020 coordinates: -21.08024184, 149.2190595), Lot 1 Plan CP855597</p> <p>PSSL10, Pacific Esplanade SPS, (GDA2020 coordinates: - 21.07449264, 149.2277681), Lot 599, Plan CI3321</p> <p>PSSL08, Blackwood Street SPS, (GDA2020 coordinates: - 21.07163974, 149.218749), Lot 31 Plan S25749</p> <p>PSAN05, Oak Street SPS, (GDA2020 coordinates: -21.09734914, 149.1903102), Lot 11, Plan SP255627</p> <p>PSBE05, Parkview Court SPS, (GDA2020 coordinates: - 21.09906314, 149.17643), Lot 1, Plan RP738839</p> <p>PSBE04, Avocado Court SPS, (GDA2020 coordinates: - 21.09708844, 149.1698575) Lot 27, Plan RP741474</p> <p>PSAN16, Galasheils Street SPS, (GDA2020 coordinates: - 21.08854834, 149.172447), Lot 12, Plan RP892821</p> <p>PSAN14, Broomdykes Drive SPS, (GDA2020 coordinates: - 21.08505484, 149.177265) Lot 900, Plan RP858183</p> <p>PSBE06, Beaconsfield Road No. 2 SPS, (GDA2020 coordinates: - 21.10947444, 149.1779195))</p> <p>PSAN01, Coles Road SPS, (GDA2020 coordinates: -21.10825414, 149.1850233)), Lot 1, Plan RP737296</p> <p>PSAN08, Tropical Avenue SPS, (GDA2020 coordinates: - 21.09584584, 149.1822338) Lot 144, Plan RP745240</p> <p>PSAN06, Tramontana Street SPS, (GDA2020 coordinates: : - 21.09194554, 149.1912702), Lot 48, Plan RP732035</p> <p>PSAN10, Monique Court SPS, (GDA2020 coordinates: - 21.08763314, 149.1825372) Lot 34, Plan RP743726</p> <p>PSAN15, Bedford Road No. 2 SPS, (GDA2020 coordinates: - 21.08272724, 149.1728627), Lot 901, Plan RP864689</p>
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSAN07, Wattle Street SPS, (GDA2020 coordinates: -21.08168664, 149.1898785), Lot 11, Plan SP271085</p> <p>PSMC02, Gordon Street SPS, (GDA2020 coordinates: - 21.14440064, 149.1929459), Lot 19, Plan M91160</p> <p>PSBU02, Downie Avenue SPS, (GDA2020 coordinates: - 21.03494213, 149.1603854)</p>

Environmentally relevant activity/activities	Location(s)
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	PSBU03, Ellis Avenue SPS, (GDA2020 coordinates: -21.03264383, 149.1600252)
	PSBU06, Shoal Point Road No 1 SPS, (GDA2020 coordinates: -21.02659833, 149.1546382)
	PSBC02, Main Street SPS, (GDA2020 coordinates: -21.21258783, 149.1474749) Lot 1, Plan RP739555
	PSBC01, Temples Lane SPS, (GDA2020 coordinates: -21.20703203, 149.146913), Lot 468, Plan CI3119
	PSSM03, Farrellys Rd #1 SPS, (GDA2020 coordinates: -21.18574984, 149.1558781) Lot 43, Plan RP909353
	PSEI03, Eimeo Road No. 2 SPS, (GDA2020 coordinates: -21.04543994, 149.1763421)
	PSNM05, Burgess Street SPS, (GDA2020 coordinates: -21.12370024, 149.1721021) Lot 18, Plan RP748851
	PSEI04, Shann Street SPS, (GDA2020 coordinates: -21.04045294, 149.1786167)
	PSEI07, Blacks Beach Road SPS, (GDA2020 coordinates: -21.05352394, 149.1832611)
	PSEI10, Pacific Drive No. 1 SPS, (GDA2020 coordinates: -21.05482174, 149.1911783)
	PSGL04, Wheeler Drive, (GDA2020 coordinates: -21.12268073, 149.1458117)
	PSNM02, Forgan Street SPS, (GDA2020 coordinates: -21.11684204, 149.1892394), Lot 24, Plan RP712451
	PSNM06, Hamilton Street SPS, (GDA2020 coordinates: -21.11873574, 149.1929437), Lot 104, Plan SP247909
	PSHA01, Mulherin Drive SPS, (GDA2020 coordinates: -21.11282974, 149.222739)
	PSHA03, Mt Bassett SPS, (GDA2020 coordinates: -21.11915554, 149.2051246)
	PSMC01, Sydney Street SPS, (GDA2020 coordinates: -21.15081394, 149.1865425), Lot 1, Plan RP720637
	PSNM11, Willetts Road SPS, (GDA2020 coordinates: -21.12708284, 149.1660588), Lot 4, Plan RP846385
	PSNM12, Heaths Road No. 1 SPS, (GDA2020 coordinates: -21.12762694, 149.1609365), Lot 1, Plan RP845817

Environmentally relevant activity/activities	Location(s)
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSMC03, Shakespeare Street SPS, (GDA2020 coordinates: -21.14912484, 149.1991089)</p> <p>PSWA01, Bold Street SPS, (GDA2020 coordinates: -21.17039423, 149.0620415), Lot 1, Plan SP112363</p> <p>PSMC20, Bridge Road SPS, (GDA2020 coordinates: -21.14498173, 149.1547387), Lot 128, Plan SP264916</p> <p>PSMC04, Evan Street SPS, (GDA2020 coordinates: -21.15452634, 149.1983223)</p> <p>PSMC06, Hart Street SPS, (GDA2020 coordinates: -21.15965274, 149.190889)</p> <p>PSMC07, Kilgour Street SPS, (GDA2020 coordinates: -21.15963294, 149.1938153)</p> <p>PSMC08, Keelan Street SPS, (GDA2020 coordinates: -21.16569614, 149.1921333)</p> <p>PSMP02, Suncrest Court SPS, (GDA2020 coordinates: -21.12265204, 149.1601426), Lot 7, Plan RP898353</p> <p>PSMC05, Goldsmith Street SPS, (GDA2020 coordinates: -21.15514284, 149.192565), Lot 19, Plan RP706495</p> <p>PSMC09, Scott Street SPS, (GDA2020 coordinates: -21.16517544, 149.1891122)</p> <p>PSMC10, Black Street SPS, (GDA2020 coordinates: -21.15839344, 149.1779222)</p> <p>PSMC11, Meero Street SPS, (GDA2020 coordinates: -21.15535994, 149.1750475)</p> <p>PSMP01, Malcomson Street No. 2 SPS, (GDA2020 coordinates: -21.12013023, 149.1574882), Lot 4, Plan RP729988</p> <p>PSMC22, Marryatt Street SPS, (GDA2020 coordinates: -21.14743874, 149.1709369), Lot 6, Plan SP237095</p> <p>PSGL06, Pioneer Street SPS, (GDA2020 coordinates: -21.11177653, 149.1503995), Lot 11, Plan SP100401</p> <p>PSMC12, Graffunder Street SPS, (GDA2020 coordinates: -21.16390364, 149.1742963)</p> <p>PSNM14, Heaths Road No. 2 SPS, (GDA2020 coordinates: -21.12921263, 149.1512958), Lot 21, Plan RP906705</p> <p>PSNM15, Oasis Drive SPS, (GDA2020 coordinates: -21.12668064, 149.1692581), Lot 1, Plan SP199173</p>

Environmentally relevant activity/activities	Location(s)
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSMC21, Cullen Street SPS, (GDA2020 coordinates: -21.14774864, 149.1622488)</p> <p>PSBE01, Beaconsfield Road No. 1 SPS, (GDA2020 coordinates: -21.10604224, 149.1695161), Lot 1 Plan RP733577</p> <p>PSMI01, Margaret St Pump Station, (GDA2020 coordinates: -21.16071441, 148.874073)</p> <p>PSNM01, Bassett Street SPS, (GDA2020 coordinates: -21.12399524, 149.1912597)</p> <p>PSRV02, Symons Farm SPS, (GDA2020 coordinates: -21.07059313, 149.1598803), Lot 1, Plan RP817051</p> <p>PSNM03, Gooseponds SPS, (GDA2020 coordinates: -21.12090584, 149.1780287)</p> <p>PSEI02, Eimeo Road No. 1 SPS, (GDA2020 coordinates: -21.04883914, 149.1760548), Lot 601, Plan C14376</p> <p>PSEI08, Camilleri Street SPS, (GDA2020 coordinates: -21.04640414, 149.1842443), Lot, 576, Plan C13509</p> <p>PSSA01A, Biltoft Street, (GDA2020 coordinates: -21.41923514, 149.2188397)</p> <p>PSEI13, Avalon Drive SPS, (GDA2020 coordinates: -21.05022253, 149.1639056), Lot 905, Plan SP262671</p> <p>PSSL01, Keeleys Road No. 1 SPS, (GDA2020 coordinates: -21.09282914, 149.2115485)</p> <p>PSSM01A, Boundary Rd SPS, (GDA2020 coordinates: -21.17566384, 149.1649652)</p> <p>PSEI09, Admiral Drive SPS, (GDA2020 coordinates: -21.03729104, 149.1843326), Lot 112, Plan C1838618</p> <p>PSSH11, Bucasia STP SPS, (GDA2020 coordinates: -21.02643643, 149.1474508), Lot 61, Plan RP807526</p> <p>PSSH13, Denman Avenue SPS, (GDA2020 coordinates: -21.00332213, 149.1535056), Lot 4, Plan SP147493</p> <p>PSBU08, Griffin Avenue SPS, (GDA2020 coordinates: -21.02242773, 149.1559345), Lot 546, Plan CI4012</p> <p>PSSH12, Shoal Point Road No. 2 SPS, (GDA2020 coordinates: -21.01050633, 149.1481363), Lot 9001, Plan SP165720</p> <p>PSSM02, Rainlover Street SPS, (GDA2020 coordinates: -21.17375323, 149.1490896)</p>

Environmentally relevant activity/activities	Location(s)
ERA 63 (2) operating a sewage pumping station mentioned in subsection (1)(b)	<p>PSSM22, Connors Rd SPS, (GDA2020 coordinates: -21.18780654, 149.1588929)PSBU09, Bucas Drive SPS, (GDA2020 coordinates: -21.04228833, 149.1508044), Lot 1, Plan SP115429</p> <p>PSEI01, Prawn Farm SPS, (GDA2020 coordinates: -21.05203314, 149.1692228), Lot 2, Plan RP810405</p> <p>PSBU01A, Dump Road SPS, (GDA2020 coordinates: -21.03704973, 149.1558467), Lot 1, Plan SP115429</p> <p>PSWA04, Pugsley Street No. 2 SPS, (GDA2020 coordinates: -21.16071803, 149.0579119)</p> <p>PSEI15, Whitehaven Drive SPS, (GDA2020 coordinates: -21.06159564, 149.1812912), Lot 928, Plan SP254852</p> <p>PSMA07, Kennys Rd No 1 Pump Station, (GDA2020 coordinates: -21.14724802, 148.9570364), Lot 100, Plan SP272704</p> <p>PSMA01, Paul St Pump Station, (GDA2020 coordinates: -21.14686052, 148.9420705), Lot 7, Plan SP208036</p> <p>PSMA12, Bowden Cres SPS, (GDA2020 coordinates: -21.15257882, 148.963865), Lot 327, Plan SP237108</p> <p>PSWA07, Pugsley Street No. 1 SPS, (GDA2020 coordinates: -21.16144543 149.0634386)</p> <p>PSWA08, Anne Street SPS, (GDA2020 coordinates: -21.16246173, 149.0667358)</p>

With the exception of any variations, the conditions of approval for the environmentally relevant activity conducted at the location described above must be conducted in accordance with the standard conditions contained within the attached document(s) entitled:

- Code of environmental compliance for certain aspects of sewage treatment activities (ERA 63) (ESR/2015/1669) Version 1.

Approved variations to standard conditions are as follows:

Condition number	Condition
G10	The operator must take all reasonable and practicable measures to ensure that contaminants are not released to land or waters (including the bed and banks of any waters) as a result of the activity .
G11	<p>The operator must notify the administering authority via the 24 hour Pollution Hotline or the district office no later than twelve (12) hours after becoming aware of a sewage release that:</p> <p>(a) poses a threat to public health (for example, contamination of waters with primary recreation values);</p> <p>(b) results in any observable environmental impact (for example, fish kill, distress to wildlife,</p>

	<p>marine plants or other aquatic life);</p> <p>(c) discharges to, or is likely to impact, a sensitive environment (for example, Ramsar wetland, marine park, or area designated as a conservation zone under a relevant planning scheme); or</p> <p>(d) is 10 000 L or more during dry weather.</p>
G14	All releases must be reported to the administering authority in the form of an annual report by 31 March covering the period 1 January – 31 December of the previous year.
G15	<p>Annual reports outlining all releases in accordance with condition 14 must clearly identify:</p> <ul style="list-style-type: none"> (a) the waste water treatment plant which the pumping station is connected to (b) the number of releases (c) the volume (or estimate of the volume) of each release (d) the location of each release by suburb post code (e) if the release was reported under ss. 320-320G of <i>the Environmental Protection Act 1994</i>.

Part 8 – Conditions for Regulated Waste Transport

Environmentally relevant activity/activities	Location(s)
ERA 57 Regulated Waste Transport— Transporting regulated waste other than end-of-life tyres (4 vehicles only)	State of Queensland

The conditions of approval for the environmentally relevant activity conducted at the location described above must be conducted in accordance with the standard conditions contained within the attached document(s) entitled:

- Environmentally relevant activity standard, Regulated waste transport (ERA 57) – Version 2 (ESR/2018/4202)

END OF ENVIRONMENTAL AUTHORITY

Code of environmental compliance

ERA 63(2)—Sewage treatment (sewage pump station)

This code of environmental compliance (code) continues to apply under s.191 of the Environmental Protection Regulation 2019. It contains the standard environmental conditions approved by the Minister, under section 549(2) of the Environmental Protection Act 1994, for carrying out the aspects of the environmentally relevant activity (ERA) specified in Section 3 of this code.

Code of environmental compliance for certain aspects* of sewage treatment activities (ERA 63)

Version 1

* This code only applies to the aspects of the ERA that meet the criteria in Section 3 of this code.

Refer to the notes on the next page for important information about changes to how this code applies.

Code of environmental compliance

ERA 63(2)—Sewage treatment (sewage pump station)

Notes:

This code refers to ERA 63(3) for sewage pump station. On 31 March 2013, ERA 63 was amended and ERA 63(3) became ERA 63(2).

This code refers to the Environmental Protection Regulation 2008, which was repealed and replaced by the Environmental Protection Regulation 2019 on 1 September 2019. A reference to the repealed regulation or a repealed provision in this code should be read as a reference to the replacement regulation or the corresponding provision in the replacement regulation.

From 31 March 2013, codes of environmental compliance no longer have effect, and an environmental authority is required for this ERA.

The eligibility criteria and standard conditions of this code are taken to be eligibility criteria and standard conditions (an ERA Standard) for the ERA until a new ERA Standard take effect.

Any new operation commencing from 31 March 2013 that meets the eligibility criteria in Section 3 of this code and that can meet all of the standard conditions can apply for a standard approval to carry out this activity. The conditions that apply to the standard approval will be the standard conditions.

Where the operation cannot meet all the standard conditions of this code, a variation application for an environmental authority can be made. The environmental authority will include the standard conditions as modified by any approved variations.

Information on applying for an approval is at www.business.qld.gov.au.

Anyone who held a registration certificate to operate under this code immediately before 31 March 2013 is automatically taken to have an environmental authority for the ERA. The registration certificate became an environmental authority and the standard environmental conditions of this code are the conditions of the environmental authority as standard conditions. The anniversary day of the environmental authority is the anniversary day of the registration certificate.

Code of environmental compliance

ERA 63(3)—Sewage treatment

This code of environmental compliance (code) has been made under Schedule 3 of the Environmental Protection Regulation 2008. It contains the standard environmental conditions approved by the Minister, under section 549(2) of the Environmental Protection Act 1994, for carrying out the aspects of the environmentally relevant activity (ERA) specified in Section 3 of this code.

Code of environmental compliance for certain aspects* of sewage treatment activities (ERA 63)

Version 1

* This code only applies to the aspects of the ERA that meet the criteria in Section 3 of this code.

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1. Introduction

The Department of Environment and Heritage Protection (EHP) has simplified the environmental compliance framework for environmentally relevant activities (ERAs) where environmental outcomes can be achieved by developing codes of environmental compliance (codes) that set out standard environmental conditions. The use of codes expedites environmental approval processes whilst still ensuring that there are appropriate standards of environmental management and protection.

Codes are appropriate for those activities that can achieve a good level of environmental protection through established, well understood practices. The standard environmental conditions are based on these practices and require the registered operator to take the necessary measures to prevent or minimise environmental harm.

Key terms and/or phrases used in this code are bolded and defined at the end of this code. Where a term is not defined in this code, the definition in the *Environmental Protection Act 1994* (EP Act), its regulations or Environmental Protection Policies must be used. If a word remains undefined it has its ordinary meaning.

2. Authorisation of the code

The Minister responsible for the EP Act, pursuant to section 549, approved the standard environmental conditions contained in this code on 4 July 2012. Approved codes are listed in Schedule 3 of the Environmental Protection Regulation 2008 (EP Reg).

3. Scope of the code

This code applies only to certain aspects of ERA 63 — Sewage treatment activities.

The aspects of ERA 63 — Sewage treatment activities, that this code applies to is threshold 3 which is outlined below (for the full definition see Schedule 2 of the EP Reg).

ERA 63	Sewage treatment activities
Threshold 3	Operating a sewage pumping station with a total design capacity of more than 40kL in an hour, if the operation of the pumping station is not an essential part of the operation of a sewage treatment works to which ERA 63(1) or ERA 63(2) applies.

The operation of the ERA under this code must comply with all of the criteria set out in the following table at all times:

Criteria
Operating a sewage pumping station with a total design capacity of more than 40kL in an hour.

Where the operation of a particular ERA will not meet the above criteria, this code does not apply and a development approval is required to undertake the ERA.

4. When the code takes effect

This code applies immediately to registered operators who commenced activities on or after 9 November 2012.

Registered operators who were carrying out ERA 63(3) under a development approval issued before 9 November 2012, and who continue to carry out the activity have a 12 month transitional period in which to ensure their operations comply with the code. The code becomes effective for those registered operators on 9 November 2013.

5. Enforcement of the code

This code contains standard environmental conditions for carrying out the activities that meet the criteria set out in Section 3 of this code. Failure to comply with the criteria or conditions of the code is an offence and penalties apply. A development approval is required where an ERA 63(3) activity is not self-assessable under this code—It is an offence to undertake an activity without a development approval and penalties apply. Enforcement Guidelines published by the administering authority are available at www.ehp.qld.gov.au.

6. Other requirements

In addition to the conditions in this code, the registered operator carrying out ERA 63(3) must comply with all other relevant Commonwealth, State or local government legislative requirements. Without limiting the requirements that may apply, some additional obligations under the EP Act include:

- holding a **registration certificate** issued by the **administering authority** under section 73F; and
- taking all reasonable and practicable measures to prevent or minimise environmental harm. This is referred to as the 'general environmental duty'.

7. Amendment of this code

This code may be amended from time to time by gazette notice advising that the Minister has approved new conditions. Proposed changes to the standard environmental conditions, other than changes to correct a clerical error, will be made in consultation with stakeholders. Where there is a significant change to the code, the administering authority will notify registered operators affected by the change.

8. Further information or enquiries

Further information is available at www.ehp.qld.gov.au or by contacting the relevant regional office of the administering authority.

General enquiries or suggestions for future amendments to the code should be directed to Permit and Licence Management, Implementation Support Unit on telephone 13 QGOV (13 74 68) or by email at palm@ehp.qld.gov.au.

9. Standard environmental conditions

Standard environmental condition	Advice
<p>Condition 1 – Flooding</p> <p>The operator must ensure that new pumping stations are constructed to ensure that essential operational components of the pumping station are not impacted in a way which results in a failure of these components by flooding below the one in 100 year flood level.</p> <p>The operator must, when considering major upgrades of existing pumping stations, undertake a review of the construction of the essential operational components of the pumping station that may fail as a result of flooding below the one in 100 year flood level. The operator must consider moving these components above the one in 100 year flood level.</p>	<p>When constructing new pumping stations in a flood prone area, the switch gear should be located above the one in 100 year flood level, as identified at the time of the construction.</p> <p>When upgrading existing pumping stations in a flood prone area, the operator should consider relocating any switch gear that is below the one in 100 year flood level, as identified at the time of the upgrade. Any upgrades should be included within the sewage overflow abatement plan as required by condition 7 of this approval.</p>
<p>Condition 2 – Flooding</p> <p>The operator must ensure that new pumping stations are constructed so that storm and flood waters can not enter the pump well.</p> <p>The operator must, when considering major upgrades of existing pumping stations, undertake a review of the construction and consider improvements to reduce the potential for storm and flood waters to enter the pump well.</p>	<p>When constructing new pumping stations openings to the well (such as maintenance holes) should not be lower than the one in 100 year flood level, as identified at the time of the construction.</p> <p>When upgrading existing pumping stations in a flood prone area, the operator should consider upgrades to restrict water from entering the well if located below the one in 100 year flood level, as identified at the time of the upgrade. Any upgrades should be included within the sewage overflow abatement plan as required by condition 7 of this approval.</p>
<p>Condition 3 – Maintenance of measures, plant and equipment</p> <p>The operator must:</p> <ul style="list-style-type: none"> (a) maintain all measures, plant and equipment in an effective condition and keep records of the maintenance (b) operate such measures, plant and equipment in an effective manner. 	

Standard environmental condition	Advice
<p>Condition 4 – Integrated environmental management system</p> <p>For new pumping stations the operator must document and comply with an integrated environmental management system (IEMS) prior to the commencement of this activity.</p> <p>For existing pumping stations the operator must document and comply with an IEMS within 12 months of the date this approval takes effect.</p> <p>The IEMS must identify all causes of environmental harm including, but not limited to, the actual and potential release of any contaminants, the nature of the environmental harm and the actions that will be taken to prevent environmental harm being caused.</p> <p>The IEMS must achieve the following outcomes:</p> <ul style="list-style-type: none"> (a) environmental aspects and potential impacts are identified (b) a contingency plan and emergency response plan are in place (c) a network plan of the sewage collection system including connected pumping stations and likely overflow points is maintained (d) control measures that minimise the potential for environmental harm are in place (e) organisational structures, accountability and responsibilities are recorded (f) effective, practical communication arrangements, including documentation of such (g) all contaminant releases, and an estimate of their impact on the receiving environment are recorded (h) staff are trained and aware of the requirements of this approval. 	<p>The IEMS is a commitment to complying with the approval. It is generally for the benefit of the operator in helping them to clarify and comply with the approval requirements.</p> <p>The IEMS may not necessarily be site specific. It should provide guiding principles to help plan ways to manage risks and minimise any potential environmental harm. For example, by identifying:</p> <ul style="list-style-type: none"> • what contaminants could be released • where any contaminants released would go and their impact • that actions could be taken to contain any release • what precautions could be taken to prevent a release. <p>This information can then be used to include procedures for prioritising responses to overflow events based on the risk to the receiving environment and the extent of the release.</p> <p>An IEMS may be used for a sewage network. However, any IEMS used for a network must be updated to reflect a new activity to which this approval applies.</p> <p>An IEMS may also be used to demonstrate compliance with the general environmental duty for other pumping stations which are not licensed but may still have the potential to cause environmental harm.</p>

Standard environmental condition	Advice
<p>Condition 5 – Contingency plan</p> <p>For new pumping stations the operator must document and comply with a contingency plan prior to the commencement of this activity.</p> <p>For existing pumping stations the operator must document and comply with a contingency plan within 24 months of the date this approval takes effect.</p> <p>The contingency plan must provide for:</p> <ul style="list-style-type: none"> (a) standard connections for emergency by-pass pumping (b) standard connections for mobile generators, or a back-up power source that automatically starts in the event of power failure (c) stand-by pumping equipment and associated controls (d) identification of critical components and a system to ensure adequate and timely access to spare parts (e) access for maintenance and emergency activities (f) testing and validation of any relevant equipment used or related to the contingency plan as necessary. 	<p>The detail of the contingency plan should reflect the complexity and risk of the activity at the site specific location.</p> <p>Where an IEMS has been developed for a sewage network there may be a contingency plan applicable to many pumping stations within the network based on the level of risk posed by the pumping stations. In this instance the one contingency plan can be used but must be updated to reflect the addition of the new activity to which this approval applies.</p> <p>While this condition requires the contingency plan to include provision for certain requirements, these are not intended to be restrictive. Where these requirements can be met in an alternative way or might not be relevant to a site specific activity this should be clearly documented. If you are proposing alternative arrangements you should consult the administering authority.</p>

Standard environmental condition	Advice
<p>Condition 6 – Emergency response plan</p> <p>For new pumping stations the operator must document and comply with an emergency response plan prior to the commencement of this activity.</p> <p>For existing pumping stations the operator must document and comply with an emergency response plan within 24 months of the date this approval takes effect.</p> <p>The emergency response plan must provide for:</p> <ul style="list-style-type: none"> (a) an implementation manual (b) staff training (c) identification of the part of the environment to which a sewage release may occur (for example, for water bodies, a description of where contaminants may enter the particular water body) (d) remediation and clean up of areas affected by sewage releases (e) receiving environment (surface waters/land) monitoring program for all notifiable releases to examine and assess environmental impacts (f) ongoing investigation and review to establish the cause of sewage releases, initiate corrective and/or preventative measures, and report on the effectiveness of such corrective and/or preventative measures. 	<p>The detail of the emergency response plan should reflect the complexity and risk of the activity at the site specific location.</p> <p>Where an IEMS has been developed for a sewage network there may be an emergency response plan applicable to many pumping stations within the network based on the level of risk posed by the pumping stations. In this instance the one emergency response plan can be used but must be updated to reflect the addition of the new activity to which this approval applies.</p> <p>While this condition requires the emergency response to include provision for certain requirements, these are not intended to be restrictive. Where these requirements can be met in an alternative way or might not be relevant to a site specific activity this should be clearly documented. If you are proposing alternative arrangements you should consult the administering authority.</p> <p>A receiving environment monitoring program must be sufficient to demonstrate the extent of the contamination and the time taken for the receiving environment to return to normal. For a release to waters, upstream and downstream monitoring may be required.</p>
<p>Condition 7 – Sewage overflow abatement plan</p> <p>For new pumping stations the operator must document and comply with a sewage overflow abatement plan within 12 months of the date this approval takes effect.</p> <p>For existing pumping stations the operator must document and comply with a sewage overflow abatement plan within 24 months of the date this approval takes effect.</p> <p>The sewage overflow abatement plan must consider the existing performance and trends, and the potential receiving environment of the pumping station. It must:</p> <ul style="list-style-type: none"> (a) identify where the greatest risks of causing environmental harm are (b) identify and evaluate measures in place to reduce the incidence of overflows (c) develop a program of works with a timetable for implementation (d) assess performance and trends for any implemented works. 	<p>The detail of the sewage overflow abatement plan should reflect the complexity and risk of the activity at the site specific location.</p> <p>Where an IEMS has been developed for a sewage network there may be a sewage overflow abatement plan applicable to many pumping stations within the network based on the level of risk posed by the pumping stations. In this instance the one sewage overflow abatement plan can be used but must be updated to reflect the addition of the new activity to which this approval applies.</p> <p>Where flooding issues have been identified (as outlined in conditions 1 and 2), upgrades must be included within the sewage overflow abatement plan.</p>

Standard environmental condition	Advice
<p>Condition 8 – Records</p> <p>The operator must record, compile and keep all maintenance and monitoring results, plans and documents required by this approval and present this information to an authorised person or the administering authority when requested.</p>	<p>Records should verify the provision of training programs and schedules of routine inspections.</p>
<p>Condition 9 – Records</p> <p>All records required by this approval must be kept for five years.</p>	
<p>Condition 10 – Release to land and waters</p> <p>The operator must ensure that contaminants are not released to land or waters (including the bed and banks of any waters) as a result of the activity.</p>	<p>The administering authority acknowledges that a typical design for sewerage system capacity is three to five times average daily dry weather flow and that overflows may occur in wet weather when the design capacity of the sewerage system is exceeded.</p>
<p>Condition 11 – Notifiable release</p> <p>The operator must notify the administering authority via the 24 hour Pollution Hotline or the district office no later than three hours after becoming aware of a sewage release that:</p> <ul style="list-style-type: none"> (a) poses a threat to public health (for example, contamination of waters with primary recreation values); (b) results in any observable environmental impact (for example, fish kill, distress to wildlife, marine plants or other aquatic life); (c) discharges to, or is likely to impact, a sensitive environment (for example, Ramsar wetland, marine park, or area designated as a conservation zone under a relevant planning scheme); or (d) is 10 000 L or more during dry weather. 	<p>The administering authority may need to respond quickly to some spills with the potential to cause environmental harm. Priority should be given to notifying the administering authority of these spills immediately after they occur.</p> <p>The 24 hour Pollution Hotline number is 1300 130 372.</p> <p>Where an event has occurred that causes or threatens serious or material environmental harm the duty to notify environmental harm requirements as per ss. 320-320G of the EP Act will also apply. Where reporting under ss. 320-320G is provided and satisfies the notification conditions of this approval, it is not necessary to report again against this approval.</p> <p>The administering authority's district office is the office responsible for the local government area where the release has occurred.</p> <p>Where the volume of the release is unknown an estimate is to be provided.</p>

Standard environmental condition	Advice
<p>Condition 12 – Notifiable release</p> <p>Within 24 hours after becoming aware of a notifiable release in accordance with condition 11, email or written notification of the release must be submitted to the administering authority outlining the event, its nature and the circumstances in which it happened.</p>	<p>Where there has been a threat to public health this notification should include evidence that owners or occupiers of the affected land have been notified. This can be by public notification.</p>
<p>Condition 13 – Notifiable release</p> <p>A final report must be provided to the administering authority within 14 business days of the conclusion of the spill response and remediation of a notifiable release, but no later than 20 business days after the commencement of the release.</p>	<p>Any additional information such as sampling results maybe added to the report in the form of attachments at any time.</p> <p>If the commencement of the release is unknown, an estimation of the time and date of the commencement of the release is to be provided.</p>
<p>Condition 14 – General release reporting</p> <p>All releases must be reported to the administering authority in the form of an annual report by 30 September covering the period 1 July – 30 June of the previous year.</p>	<p>All discharges include notifiable releases and all other releases from the pumping station. These should be clearly identified in the report.</p> <p>Where the activity is part of a sewage network, annual reporting for the network may be provided to satisfy this condition.</p>
<p>Condition 15 – General release reporting</p> <p>Annual reports outlining all releases in accordance with condition 14 must clearly identify:</p> <ul style="list-style-type: none"> (a) the waste water treatment plant which the pumping station is connected to (b) the number of releases (c) the volume (or estimate of the volume) of each release (d) the location of each release by suburb post code (e) if the release was reported under ss. 320-320G of the <i>Environmental Protection Act 1994</i>. 	<p>Reporting should be provided in a way in which the data is easy to handle and review. It would be beneficial to also include the reason for the release when reporting. An example would be in an excel spreadsheet.</p>
<p>Condition 16 – Monitoring</p> <p>The operator must ensure that all monitoring, assessments and reports required by this approval are conducted by a person with appropriate experience and/or qualifications. Water monitoring must be undertaken in accordance with the administering authority's Water Quality Sampling Manual and other relevant standards.</p>	

Standard environmental condition	Advice
Condition 17 – Trained/experienced operator(s) The operator must ensure that the daily operation and maintenance of the pumping station is carried out by a person with experience and/or qualifications appropriate to ensuring the effective operation of the pumping station.	
Condition 18 – Equipment calibration The operator must ensure that all instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval are calibrated, operated and maintained in accordance with the manufacturer's specifications.	
Condition 19 – Complaint response The operator must record the following details for all complaints received and this information must be provided to an authorised person or the administering authority on request: <ul style="list-style-type: none"> (a) time, date, name and contact details of the complainant (b) reasons for the complaint (c) any investigation undertaken (d) conclusions formed (e) any actions taken. 	If the complainant does not wish to have their name and contact details recorded, note this as an anonymous complaint.
Condition 20 – Air nuisance The operator must ensure that the release of odours or airborne contaminants resulting from the activity do not cause environmental nuisance at a nuisance sensitive place or commercial place .	
Condition 21 – Noise nuisance The operator must ensure that noise resulting from the activity does not cause environmental nuisance at a nuisance sensitive place or commercial place .	

Standard environmental condition	Advice
<p>Condition 22 – Noise monitoring</p> <p>When requested by the administering authority, the operator must undertake noise monitoring to investigate any complaint of noise nuisance. The monitoring must be undertaken and results must be notified to the administering authority in the format and within the time specified by the administering authority. Monitoring must include:</p> <ul style="list-style-type: none"> (a) measurement of L_{A90}, adj, 15 mins (b) measurement of L_{A10}, adj, 10 mins (c) measurement of L_{Aeq}, adj, 10 mins (d) the level and frequency of occurrence of impulsive or tonal noise (e) atmospheric conditions including wind speed and direction (f) effects due to extraneous factors such as traffic noise (g) the location, date and time of monitoring. 	
<p>Condition 23 – Noise monitoring</p> <p>The operator must ensure that the method of measurement and reporting of noise levels complies with the latest edition of the administering authority's Noise Measurement Manual.</p>	<p>The administering authority's Noise Measurement Manual is available at www.ehp.qld.gov.au.</p>
<p>Condition 24 – Responding to potential releases</p> <p>The operator must ensure that there are appropriate physical systems in place to anticipate a potential release.</p>	<p>This may include an alarm system using one or more of the following; pump-failure alarms or level alarms for sewage contained in the pump well.</p>
<p>Condition 25 – Responding to potential releases</p> <p>Any system developed in line with condition 24 must be able to operate for a sufficient time to allow for notification of the potential release to the operator and an appropriate response.</p>	<p>This may include having back up power available or providing additional detention capacity.</p>
<p>Condition 26 – Responding to potential releases</p> <p>Any identification of a potential release must be responded to by the operator.</p>	<p>Response times should consider the potential for environmental harm based on site specific details and the potential volume of release from the pumping station.</p>

10. Definitions

Words and phrases used throughout this guideline are defined below. Where a definition for a term used in this guideline is sought and the term is not defined the administering authority may be contacted to provide clarification.

One in 100 year flood level means the level reached by a flood event with an annual recurrence interval of one in 100 years.

Activity means ERA 63 (3).

Administering authority means the Department of Environment and Heritage Protection, or the department responsible for administering the *Environmental Protection Act 1994*.

Authorised person means a person authorised under the *Environmental Protection Act 1994*.

Approval means this code of environmental compliance.

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

Environmental harm (as defined in Section 14 of the *Environmental Protection Act 1994*) is any adverse effect, or potential adverse effect (whether temporary or permanent and of whatever magnitude, duration or frequency) on an environmental value, and includes **environmental nuisance**. **Environmental harm** may be caused by an activity:

- a) whether the harm is a direct or indirect result of the activity
- b) whether the harm results from the activity alone or from the combined effects of the activity and other activities or factors.

Environmental nuisance (as defined in Section 15 of the *Environmental Protection Act 1994*) means—‘unreasonable interference or likely interference with an environmental value’ caused by:

- a) aerosols, fumes, light, noise, odour, particles or smoke
- b) an unhealthy, offensive or unsightly condition because of contamination
- c) another way prescribed by regulation.

Existing pumping stations means pumping stations that were constructed before 1 January 2009.

L_{A 90, adj, 15 mins} means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 90 per cent of any 15 minute measurement period, using fast response.

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

L_{A eq} means the equivalent continuous A-weighted sound pressure level of the residual noise determined over a specified time interval.

Major upgrades means upgrades which will involve expenditure in excess of \$150 000. This figure is relevant as of 1 January 2012 and will increase by three per cent as of 1 January hereafter.

New pumping stations means pumping stations that were constructed on or after 1 January 2009.

Operation means the development approved under this **approval**.

Operator means any of the following:

- a) a person having the benefit of this **approval**

- b) the holder of a registration certificate for this **approval**
- c) anyone undertaking the **activity** to which this **approval** relates

Note: it is an offence to carry out work under an **approval** without a relevant registration certificate.

Sensitive place means:

- a) a dwelling (including residential allotment, mobile home or caravan park, residential marina or other residential premises, motel, hotel or hostel)
- b) a library, childcare centre, kindergarden, school, university or other educational institution
- c) a medical centre, surgery or hospital
- d) a protected area
- e) a public park or garden that is open to the public (whether or not on payment of money) for use other than for sport or organised entertainment.

Waters means all Queensland waters and includes rivers, streams, lakes, lagoons, ponds, swamps, wetlands, surface waters, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), any ground water and any part thereof.

Environmentally relevant activity standard

Regulated waste transport (ERA 57) – Version 2

This document provides eligibility criteria and standard conditions for environmentally relevant activity (ERA) 57 – regulated waste transport in a vehicle if the relevant activity is:

- transporting end-of-life tyres; or
- transporting regulated waste, other than end-of-life tyres.

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.

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.

Site specific applications

Applicants who cannot meet the eligibility criteria must make a site specific application.

Amendment applications

If the holder of an environmental authority needs to amend or add a condition in the issued environmental authority, then the holder must make an amendment application.

How to apply

The Queensland Government's Business Queensland website at www.business.qld.gov.au/ea has information on the standard, variation, site-specific and amendment application processes.

You can apply online through Connect at www.qld.gov.au/environmentconnect.

Alternatively email palm@des.qld.gov.au or phone 1300 130 372 (and select option 4) to obtain an application form to complete and submit.

Definitions

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

Version history

Version	Date	Description of changes
1	29 June 2018	Eligibility criteria and standard conditions take effect
2	01 July 2019	Minor updates including details of how to apply and the availability of forms, departmental name, legislative title (<i>Planning Act 2016</i>), description of ERA thresholds, definition of regulated waste and adding a version history.

Eligibility criteria

Eligibility criteria category	Eligibility criteria
Activity general	<ul style="list-style-type: none">• Regulated waste is transported by vehicles

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 by vehicles whose registration details must be provided to the administering authority before commencing the activity. The administering authority must be notified within 10 business days of any change to the vehicle registration details.
G3: The activity is undertaken by vehicles which are covered by a policy of insurance or other form of indemnity, for a sum that is not less than \$100,000, in respect of: <ul style="list-style-type: none"> a) personal injury, death, property damage and other damage (except consequential economic loss) arising out of fire, explosion, leakage or spillage of dangerous goods in, on or from the vehicle or a container on the vehicle; and b) costs incurred by or on behalf of a Commonwealth, State or Territory government authority in a clean-up resulting from any event of the kind referred to in subparagraph a) of this condition.
G4: Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
G5: The activity must be undertaken in accordance with written procedures that: <ul style="list-style-type: none"> a) identify potential risks to the environment from the activity during routine operations and emergencies; and b) establish and maintain control measures that minimise the potential for environmental harm; and c) ensure plant, equipment and measures are maintained in a proper and effective condition; and d) ensure plant, equipment and measures are operated in a proper and effective manner; and e) ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i> ; and f) ensure that reviews of environmental performance are undertaken and recorded at least annually.
G6: The activity must not cause environmental nuisance at a sensitive place .
G7: All records required by conditions of this authority must be kept for at least five years and provided to the administering authority within 10 business days upon its request.
G8: 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.
G9: All vehicles , including tanks, containers and secondary containers used to transport regulated waste must be: <ul style="list-style-type: none"> a) maintained at all times to prevent any spillage or leakage of regulated waste or other contaminants; and b) kept free of regulated waste residues at all times when not in use; and c) must be effectively cleaned and, where used for transporting clinical waste, must be disinfected before reuse.

Conditions
<p>G10: At all times, a copy of:</p> <ul style="list-style-type: none"> a) this environmental authority issued by the administering authority for regulated waste transport activities; and b) the appropriate emergency guides in relation to the waste transported <p>must be carried in the cabin of each vehicle used to transport regulated waste and when requested, be presented to an authorised officer of the administering authority or relevant regulatory agency of the State or Territory in which the vehicle is travelling.</p> <p><i>Note: Standards Australia publish numerous guides including HB 76-2004 Dangerous Goods – Initial emergency response guide, and emergency procedure guides (AS1678 Series) which are available from SAI Global Business Publishing. Further, when developing emergency guides in relation to PCB's, reference should be made to the United States Environmental Protection Agency 40CFR Part 761: Polychlorinated biphenyls: notification and manifesting for PCB waste activities: clause number 761.125</i></p>
<p>G11: When transporting regulated waste:</p> <ul style="list-style-type: none"> a) any regulated waste not contained within weatherproof packages must be covered during transport to contain the load and protect it from wind and rain; and b) all regulated waste containers must be mounted securely to the vehicle and contained within the tray of the vehicle.
<p>G12: When transporting packaged regulated waste, the top of any container must not protrude above the sides or gates of the vehicle by more than 30% of the height of the container.</p>
<p>G13: Road tank vehicles must:</p> <ul style="list-style-type: none"> a) be constructed to minimise instability and risk of rollover; and b) be provided with roll-over protection to protect all tanks, components and fittings on the upper and side surfaces of the tank in the event of the vehicle rolling over or becoming inverted; and c) be provided with an effective bumper and/or barrier system to protect the tank and fittings from rear impact.
Waste
<p>W1: Waste transported under the activity must be contained within a suitably designed waste containment structure that is constructed, operated and maintained in accordance with accepted engineering standards currently appropriate for the purpose for which the structure is intended to be used.</p>
<p>W2: Regulated waste must not be removed or released from the vehicle other than:</p> <ul style="list-style-type: none"> a) for the purpose of consolidating grease trap and/or other oily wastes; or b) at a facility that can lawfully accept the waste.
<p>W3: Incompatible wastes must not be placed in the same container or transported in such a way that mixing may occur.</p>
<p>W4: A record of all regulated waste (excluding trackable waste) must be kept detailing the following information for every load of waste transported:</p> <ul style="list-style-type: none"> a) date of pickup of waste, including where loads are consolidated; b) description of waste; c) quantity of waste; d) origin of the waste; and e) destination of the waste. <p><i>Note: Additional waste tracking requirements apply to the transportation of trackable waste in accordance with the Environmental Protection Regulation 2008.</i></p>

Conditions
<p>W5: All asbestos waste transported must be:</p> <ul style="list-style-type: none"> a) double bagged and sealed in heavy duty polythene bags (minimum 200 µm thickness); or b) sealed in drums or bins that are lined with heavy-duty plastic (minimum 200 µm thickness); or c) where the volume or size of asbestos waste (e.g. large asbestos cement sheets) is greater than the volume or size of a bag, drum or bin: <ul style="list-style-type: none"> i. for friable asbestos waste, sealed in double lined heavy-duty plastic sheeting (minimum 200 µm thickness) prior to being placed into a waste skip, vehicle tray or similar container; or ii. for non-friable asbestos waste, placed in a waste skip, vehicle tray or similar container that has been double lined with heavy duty plastic sheeting (minimum 200 µm thickness) and kept damp, and then sealed within the plastic sheeting.
<p>W6: All asbestos waste transported must be labelled with a warning statement to indicate the presence of asbestos and that dust creation and inhalation needs to be avoided.</p>
<p>W7: All particulate lead waste must be:</p> <ul style="list-style-type: none"> a) double bagged and sealed in heavy duty polythene bags (minimum 200 µm thickness), and placed in containers on the vehicle; and b) labelled to indicate the presence of lead and with appropriate lead risk phrase and safety phrase.
<p>W8: All clinical and related waste must be provided with a rigid secondary containment system during transport.</p>
<p>W9: Vehicles and load compartments must be locked when unattended.</p>

Appendix 1: Terms and definitions

Term	Definition
Activity	means the environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.
ADG Code	means the <i>Australian code for the transport of dangerous goods by road and rail, 7th edition</i> , or more recent versions as they become available.
Administering authority	means the Department of Environment and Science or its successor.
Asbestos-containing material	means any material, object, product or debris that contains asbestos.
Asbestos waste	means all removed asbestos-containing materials and disposable items used during the asbestos removal work, such as plastic sheeting used for an enclosure or to cover surfaces in the asbestos work area, disposable coveralls, disposable respirators and rags used for cleaning etc.
Clinical waste	means waste that has the potential to cause disease including, for example, the following: <ul style="list-style-type: none"> a) animal waste; b) discarded sharps; c) human tissue waste; and d) laboratory waste.
Combination vehicle	means a road vehicle that includes one or more trailers.
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.
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> .
Friable asbestos waste	means asbestos-containing material that is in powder form or which, when dry, is or may become crumbled, pulverised or reduced to powder by hand pressure.
Incompatible waste	means waste that may chemically react when: <ul style="list-style-type: none"> a) placed in proximity to other wastes; and/or b) mixed with other wastes.
Land	means land excluding waters and the atmosphere.
Measures	has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competencies.

ERA standard
Regulated waste transport (ERA 57)

Term	Definition
Minimise	means 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.
Non-friable asbestos waste	means asbestos-containing material that is not friable asbestos waste , including material containing asbestos fibres reinforced with a bonding compound.
Sealed	means fully contained within. Where polythene sheeting has been used, adhesive tape should be applied to the entire length of every overlap.
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 <i>Nature Conservation Act 1992</i> , the <i>Marine Parks Act 2004</i> or a World Heritage Area; or f) a public park or garden; or g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.
Packaged regulated waste	means regulated waste in a container with: a) a capacity of not more than 450 litres; and b) a net mass of not more than 400 kilograms.
Particulate lead waste	means lead waste that is capable of becoming airborne or unable to be easily recovered if a spill occurs during transport. Examples include waste from foundry filters and lead based paint residues.
Records	includes breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this environmental authority.
Regulated waste	As defined in Section 64 of the <i>Environmental Protection Regulation 2008</i> .
Regulatory agency	means the agency of a State or Territory that has responsibility for regulating the transport of regulated wastes in that State or Territory.
Related waste	means waste that constitutes, or is contaminated with, chemicals, cytotoxic drugs, human body parts, pharmaceutical products or radioactive substances.

Regulated waste transport (ERA 57)

Term	Definition
Risk phrase	means a phrase stated in the National Occupational Health and Safety Commission's document entitled <i>National Code of Practice for the Labelling of Workplace Substances</i> [NOHSC:2012(1994)], or more recent versions, that gives information about the substance's hazards.
Road tank vehicle	means a truck, trailer or semi-trailer or unit in a road train, incorporating a tank, or having a tank or tanks mounted thereon, either permanently or temporarily (as defined in AS 2809.1–2008 — road tank vehicles for dangerous goods).
Safety phrase	means a phrase stated in National Occupational Health and Safety Commission's document entitled <i>National Code of Practice for the Labelling of Workplace Substances</i> [NOHSC:2012(1994)], or more recent versions, that gives information about: <ul style="list-style-type: none"> a) the safe use of the substance; or b) the personal protective equipment for the substance.
Secondary containment system	means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.
Vehicle	Means a road vehicle including an articulated or combination vehicle, and does not include a train, boat or aircraft.
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.

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 eligibility criteria and 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 Science website www.des.qld.gov.au.

Duty to notify

Section 320A 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 that causes or threatens serious or material environmental harm
- while carrying out a resource activity, other than a mining activity, a person becomes aware of the happening of one or both of the following events:
 - the activity negatively affects (or is reasonably likely to negatively affect) the water quality of an aquifer
 - the activity has caused the unauthorised connection of two or more aquifers.
- the owner or occupier of contaminated land or an auditor performing an auditor's function (as defined in section 568(b) of the *Environmental Protection Act 1994*) becomes aware of:
 - the happening of an event involving a hazardous contaminant on the contaminated land; or

- a change in the condition of the contaminated land; or
 - a notifiable activity having been carried out, or being carried out, on the contaminated land;
- that is causing, or is reasonably likely to cause, serious or material environmental harm.

For more information on the duty to notify requirements refer to the guideline 'Duty to notify of environmental harm' (ESR/2016/2271).

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.

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 water contaminants include a wide variety of contaminants listed in Schedule 9 of the Environmental Protection Regulation 2008.

It is your responsibility to ensure that prescribed water 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.

Relevant offences under the Environment Protection Regulation 2008

Trackable waste to be given only to licensed transporter (section 81ZA)

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

Waste tracking (Chapter 5, Part 9)

Waste handlers must submit waste tracking information to the Department of Environment and Science as part of the process for tracking waste types as listed in Schedule 2E of the Environmental Protection Regulation 2008. The waste tracking enables the department to track waste from its source to the place of storage, recycling, treatment or disposal.

Responsibilities under other legislation

An environmental authority pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any additional approvals 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*
- Australian Dangerous Goods Code
- Australian and New Zealand Environment and Conservation Council (ANZECC) Polychlorinated Biphenyls Management Plan Revised Edition – April 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*
- *Planning Act 2016*
- *Queensland Heritage Act 1992*
- Safe Work Australia Code of Practice on How to Safely Remove Asbestos 2011 or the Safe Work Australia Code of Practice on How to Manage and Control Asbestos in the Workplace 2011 or any subsequent versions
- Waste Reduction and Recycling Regulation 2011
- *Water Supply (Safety and Reliability) Act 2008*
- *Water Act 2000*
- *Work Health and Safety Act 2011*, Work Health and Safety Regulation 2011 and Work Health and Safety (Codes of Practice) Notice 2011

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