

Permit

Environmental Protection Act 1994

Environmental authority EPPR01428213

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

Environmental authority number: EPPR01428213

Environmental authority takes effect on the day of approval.

The anniversary date of this environmental authority is the same day each year and remains as **8 August**.

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

Environmental authority holder

Name	Registered address
Cassowary Coast Regional Council	70 Rankin Street INNISFAIL QLD 4860

Environmentally relevant activity and location details

Environmentally relevant activities	Locations
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	Tully Main Refuse Site Lot 638 on Plan CP881690 Tully Gorge Road, Tully QLD 4854
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) - more than 10,000t but not more than 20,000t	Cardwell Refuse Site Lot 63 on Plan CP855853 Attie Creek Road, Cardwell QLD 4849
ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Sanitary Depot Lot 101 on Plan CWL3568 Cassowary Drive (Mission Beach Road) Tully QLD 4854

ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Cemetery Regulated Waste Disposal Site Lot 2 on Plan RP732366 Tully Gorge Road, Tully QLD 4854
ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Ike's Pit Adjacent to Tully Heads Road (Adjacent to Lot 546 Plan CWL3476) Lower Tully, QLD 4854
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	Tully Sewage Treatment Plant Lot 3 on Plan SP167295 Wildsoet Street, Tully QLD 4854
ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Jarra Creek Dredging Adjacent to Lot 2 on Plan RP743135 Harney Road, Tully QLD 4854
ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Cardwell Intake Road Dredging Adjacent to Lot 34 on Plan CWL1953 Ellerbeck QLD 4816
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	Innisfail Sewage Treatment Plant Lot 303 on Plan NR5813 & Lot 47 Plan NR5813 Coquette Point Road, Innisfail QLD 4860
ERA 16 - Extraction and Screening 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	Greens Gravel Pit Lot 1 on Plan RP733135 Crupi Road, EL ARISH QLD 4855
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	Stoters Hill Waste Transfer Station Lot 2 on Plan RP734667 Quarry Road, Innisfail, QLD 4860
ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t 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	Stoters Hill Landfill Lot 2 Plan on RP734667 Lot 1 Plan on RP719182 Lots 1 and 2 on Plan NR4009 Lot 4 on Plan RP720775 Quarry Road, Innisfail, QLD 4860
ERA 64 - Water treatment 3 - Treating 10ML or more raw water in a day	Innisfail Water Treatment Plant Lot 1 on Plan SP237178 Lot 2 on Plan NR2513 617 Palmerston Highway

	Innisfail QLD 4860
ERA 63 - Sewage Treatment 2 - Operating a sewage pumping station mentioned in subsection (1)(b)	Tully Sewage Pump Stations Lot 580 on Plan CWL2384 Andersen St, TULLY QLD 4854 Lot 581 on Plan CWL2385, Butler St, TULLY QLD 4854 Lot 579 on Plan CWL2383 King St, TULLY QLD 4854
ERA 63 - Sewage Treatment - 1(b) (ii) - Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP - otherwise	Port Hinchinbrook STP Bruce Highway, Cardwell, QLD 4849 Lot 1 Plan C1043 Lot 2 Plan CWL1212 Lot 3 Plan C1043 Lot 3 Plan RP733367

Additional information for applicants

Environmentally relevant activities

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

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

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

Contaminated land

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

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

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

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

Take effect

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

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

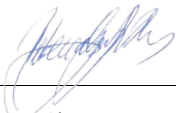
c) otherwise on the day the authority is issued.

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

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

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. The payment of the annual fee will be due each year on this day. An annual return will be due each year on 01 April.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

14/06/2023

Date

Rebecca Griffiths

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

Enquiries:

Utilities and Government Organisations
Assessment
GPO Box 2454, BRISBANE QLD 4001
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Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at www.qld.gov.au. For queries about privacy matters please email privacy@des.qld.gov.au or telephone 13 74 68.

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Development Approval

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

Contents

Applicable Part	Environmentally relevant activities	Locations
Part 1	Common conditions applicable for all activities	All locations with the exception of the following sites for the conditions as specified in the relevant parts below: Ike's Pit Tully Sewage Pump Stations Tully Sanitary Depot Tully Cemetery Regulated Waste Disposal Depot Tully Main Refuse Site Innisfail Sewage Treatment Plant, Innisfail Water Treatment Plant Greens Gravel Pit Jarra Creek Dredging, Cardwell Intake Road Dredging Cardwell Refuse Site

		Stoters Hill Waste Transfer Station
Part 2	Common conditions applicable for Waste disposal facilities	All locations of waste disposal activities with the exception of the following sites for the conditions as specified in the relevant parts below: Stoters Hill Landfill Tully Sanitary Depot Tully Cemetery Regulated Waste Disposal Site Stoters Hill Waste Transfer Station
Part 3	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	Tully Main Refuse Site Lot 638 on Plan CP881690 Tully Gorge Road, Tully QLD 4854
Part 4	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) - more than 10,000t but not more than 20,000t	Cardwell Refuse Site Lot 63 on Plan CP855853 Attie Creek Road, Cardwell QLD 4849
Part 5	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Sanitary Depot Lot 101 on Plan CWL3568 Cassowary Drive (Mission Beach Road) Tully QLD 4854
Part 6	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Cemetery Regulated Waste Disposal Site Lot 2 on Plan RP732366 Tully Gorge Road, Tully QLD 4854
Part 7	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Ike's Pit Adjacent to Tully Heads Road (Adjacent to Lot 546 Plan CWL3476) Lower Tully, QLD 4854
Part 8	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	Tully Sewage Treatment Plant Lot 3 on Plan SP167295 Wildsoet Street, Tully QLD 4854
Part 9	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Jarra Creek Dredging Adjacent to Lot 2 on Plan RP743135 Harney Road, Tully QLD 4854
Part 10	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Cardwell Intake Road Dredging Adjacent to Lot 34 on Plan CWL1953 Ellerbeck QLD 4816
Part 11	ERA 63 - Sewage Treatment 1(e) - Operating	Innisfail Sewage Treatment Plant Lot 303 on

	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	Plan NR5813 & Lot 47 Plan NR5813 Coquette Point Road, Innisfail QLD 4860
Part 12	ERA 16 - Extraction and Screening 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	Greens Gravel Pit Lot 1 on Plan RP733135 Crupi Road, EL ARISH QLD 4855
Part 13	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	Stoters Hill Waste Transfer Station Lot 2 on Plan RP734667 Quarry Road, Innisfail, QLD 4860
Part 14	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t 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	Stoters Hill Landfill Lot 2 Plan on RP734667 Lot 1 Plan on RP719182 Lots 1 and 2 on Plan NR4009 Lot 4 on Plan RP720775 Quarry Road, Innisfail, QLD 4860
Part 15	ERA 64 - Water treatment 3 - Treating 10ML or more raw water in a day	Innisfail Water Treatment Plant Lot 1 on Plan SP237178 Lot 2 on Plan NR2513 617 Palmerston Highway Innisfail QLD 4860
Part 16	ERA 63 - Sewage Treatment 2 - Operating a sewage pumping station mentioned in subsection (1)(b)	Tully Sewage Pump Stations Lot 580 on Plan CWL2384 Andersen St, TULLY QLD 4854 Lot 581 on Plan CWL2385, Butler St, TULLY QLD 4854 Lot 579 on Plan CWL2383 King St, TULLY QLD 4854
Part 17	ERA 63 - Sewage Treatment - 1(b) (ii) - Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP - otherwise	Port Hinchinbrook STP Bruce Highway, Cardwell, QLD 4849 Lot 1 Plan C1043 Lot 2 Plan CWL1212 Lot 3 Plan C1043 Lot 3 Plan RP733367

Conditions of environmental authority

Part 1

Applicable Part	Environmentally relevant activity	Location	Exceptions
Part 1	Common conditions applicable for all activities listed below with the following exceptions:		
	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Ike's Pit Adjacent to Tully Heads Road (Adjacent to Lot 546 Plan CWL3476) Lower Tully, QLD 4854	P1-G1, P1-G2, P1-G5, P1-G7 and P1-W1 does not apply
	ERA 63 - Sewage Treatment 2 - Operating a sewage pumping station mentioned in subsection (1)(b)	Tully Sewage Pump Stations Lot 580 on Plan CWL2384 Andersen St, TULLY QLD 4854 Lot 581 on Plan CWL2385, Butler St, TULLY QLD 4854 Lot 579 on Plan CWL2383 King St, TULLY QLD 4854	P1-G6, P1-G7, P1-A1 and P1-W2 does not apply
	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Sanitary Depot Lot 101 on Plan CWL3568 Cassowary Drive (Mission Beach Road) Tully QLD 4854	P1-A1, P1-G7 and P1-N1 does not apply
	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	Tully Main Refuse Site Lot 638 on Plan CP881690 Tully Gorge Road, Tully QLD 4854	P1-N1 does not apply
	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) - more than 10,000t but not more than 20,000t	Cardwell Refuse Site Lot 63 on Plan CP855853 Attie Creek Road, Cardwell QLD 4849	P1-N1 does not apply
	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Cemetery Regulated Waste Disposal Site Lot 2 on Plan RP732366 Tully Gorge Road, Tully QLD 4854	P1-N1 does not apply

	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	Innisfail Sewage Treatment Plant Lot 303 on Plan NR5813 & Lot 47 Plan NR5813 Coquette Point Road, Innisfail QLD 4860	P1-W1 does not apply
	ERA 16 - Extraction and Screening 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	Greens Gravel Pit Lot 1 on Plan RP733135 Crupi Road, EL ARISH QLD 4855	P1-W1 does not apply
	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Jarra Creek Dredging Adjacent to Lot 2 on Plan RP743135 Harney Road, Tully QLD 4854	P1-W2 and P1-G7 does not apply
	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Cardwell Intake Road Dredging Adjacent to Lot 34 on Plan CWL1953 Ellerbeck QLD 4816	P1-W2 and P1-G7 does not apply
	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	Stoters Hill Waste Transfer Station Lot 2 on Plan RP734667 Quarry Road, Innisfail, QLD 4860	P1-G7 does not apply
	ERA 64 - Water treatment 3 - Treating 10ML or more raw water in a day	Innisfail Water Treatment Plant Lot 1 on Plan SP237178 Lot 2 on Plan NR2513 617 Palmerston Highway	P1-G7 does not apply
	ERA 63 - Sewage Treatment - 1(b) (ii) - Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP - otherwise	Port Hinchinbrook STP Bruce Highway, Cardwell, QLD 4849 Lot 1 Plan C1043 Lot 2 Plan CWL1212 Lot 3 Plan C1043 Lot 3 Plan RP733367	Part 1 does not apply

All ERAs with the exceptions mentioned above conducted at the locations described above must be conducted in accordance with the following conditions of this approval.

Agency interest: General	
Condition number	Condition
P1-G1	All information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results 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.
P1-G2	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.
P1-G3	The activity must be undertaken in accordance with written procedures that: 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 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.
P1-G4	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
P1-G5	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
P1-G6	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable, or at most, within 24 hours of you becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
P1-G7	The holder of this environmental authority must submit a report to the administering authority with the annual return which shall include but not be limited to: a) a summary of the previous twelve (12) month's monitoring results obtained under any monitoring programs required under this environmental authority and, in graphical form, a comparison of the previous twelve (12) month's monitoring results to both the limits set by this environmental authority and to relevant prior results; b) an evaluation/explanation of the data from the monitoring programs; and c) a summary of any record of quantities of discharge required to be kept under this environmental authority; and d) a summary of the record of equipment failures or events likely to have adversely affected the site's environmental performance whilst still complying with this environmental authority; and e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; and f) for any sewage treatment plants licensed under this environmental authority: i) the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; and ii) the progressive total number of connections; and iii) a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.
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 cause nuisance to any sensitive place or commercial place .
Agency interest: Water	
Condition number	Condition

P1-W1	Other than as permitted by this environmental authority, contaminants must not be released to waters .
P1-W2	All batteries, liquid chemicals, fuels, and other liquid substances with potential to cause environmental harm must be stored within a secondary containment system that is impervious to the materials stored within it, and must be managed to prevent the release of contaminants to waters or land.
Agency interest: Noise	
Condition number	Condition
P1-N1	Noise generated by the activity must not cause an environmental nuisance to any sensitive place or commercial place .

Part 2

Applicable Part	Environmentally relevant activity	Location	Exceptions
Part 2	Common conditions applicable for waste disposal facilities listed below with the following exceptions:		
	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Sanitary Depot Lot 101 on Plan CWL3568 Cassowary Drive (Mission Beach Road) Tully QLD 4854	P2-WM2 and P2-WM3 does not apply
	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Cemetery Regulated Waste Disposal Site Lot 2 on Plan RP732366 Tully Gorge Road, Tully QLD 4854	P2-WM2 and P2-WM3 does not apply
	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Stoters Hill Landfill Lot 2 Plan on RP734667 Lot 1 Plan on RP719182 Lots 1 and 2 on Plan NR4009 Lot 4 on Plan RP720775 Quarry Road, Innisfail, QLD 4860	P2-N1 and P2-WM3 does not apply
	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		

The ERAs with the exceptions mentioned above conducted at the locations as described above must be conducted in accordance with the following common conditions of approval.

Agency interest: Noise																	
Condition number	Condition																
P2-N1	Emission of Noise In the event of a complaint about noise that the administering authority considers is reasonable, the emission of noise from the activity must not result in levels greater than those specified in Table 1, until the circumstances which gave rise to the complaint are resolved. Table 1 <table> <tr> <th>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj,T}$</th><th>Period</th></tr> <tr> <td>background noise level plus 5dB(A)</td><td>7 am - 6 pm</td></tr> <tr> <td>background noise level plus 5dB(A)</td><td>6 pm - 10 pm</td></tr> <tr> <td>background noise level plus 3dB(A)</td><td>10 pm - 7 am</td></tr> <tr> <th>Noise Level at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj,T}$</th><th>Period</th></tr> <tr> <td>background noise level plus 10dB(A)</td><td>7 am - 6 pm</td></tr> <tr> <td>background noise level plus 10dB(A)</td><td>6 pm - 10 pm</td></tr> <tr> <td>background noise level plus 8dB(A)</td><td>10 pm - 7 am</td></tr> </table>	Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj,T}$	Period	background noise level plus 5dB(A)	7 am - 6 pm	background noise level plus 5dB(A)	6 pm - 10 pm	background noise level plus 3dB(A)	10 pm - 7 am	Noise Level at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj,T}$	Period	background noise level plus 10dB(A)	7 am - 6 pm	background noise level plus 10dB(A)	6 pm - 10 pm	background noise level plus 8dB(A)	10 pm - 7 am
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background noise level plus 3dB(A)	10 pm - 7 am																
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background noise level plus 10dB(A)	7 am - 6 pm																
background noise level plus 10dB(A)	6 pm - 10 pm																
background noise level plus 8dB(A)	10 pm - 7 am																
Agency interest: Waste Management																	
Condition number	Condition																
P2-WM1	Excepting combustion of landfill gas, waste must not be burnt.																
P2-WM2	A leachate collection system must be designed by an appropriately qualified person and installed and maintained to: 1. collect leachate generated in the landfill unit; 2. convey the collected leachate out of the landfill unit to an appropriate leachate storage facility; and 3. restrict the height of the leachate above the liner system to a maximum level of 300mm with equivalent leachate minimisation performance as agreed with the administering authority.																
P2-WM3	Leachate and stormwater runoff which has been in contact with waste materials in the landfill unit, must be collected in the leachate storage facility and be: 1. treated in the leachate treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or 2. recirculated through waste disposed in the landfill unit; or 3. treated by alternative technologies agreed by the administering authority for offsite disposal, discharge, or on-site reuse; or 4. disposed of at a facility that is approved to receive such waste.																
P2-WM4	Deposited waste must be covered as soon as practicable to limit stormwater infiltration, prevent exposure of waste and prevent issues arising from vectors and pest species.																
P2-WM5	All reasonable and practicable measures must be taken to contain litter within the waste operations area , and retrieve litter released.																
P2-WM6	When the deposition of waste to the landfill unit ceases, a final capping system to the landfill unit must be designed by an appropriately qualified person and installed to minimise: 1. infiltration of water into the landfill unit and water ponding on the surface; and																

	2. the likelihood of any erosion occurring to either the final capping system or the landfilled materials. A final capping system is not required where the deposition of waste to a landfill unit ceases temporarily for the purpose of using an alternative working face.
P2-WM7	The program of post-closure care implemented must be effective in preventing and/or minimising the likelihood of environmental harm being caused. The program must include measures to: 1. maintain the structural integrity and effectiveness of the final capping system; 2. maintain and operate the leachate collection system; 3. maintain the groundwater monitoring system and monitor quality of groundwater at a frequency sufficient to detect any release of contaminants to groundwater; 4. maintain and operate the landfill gas monitoring system; and 5. maintain and operate the landfill gas collection system.
P2-WM8	Following cessation of deposition of waste in the landfill unit, post-closure care of the landfill unit must be conducted for a period of 30 years or until the administering authority determines, on the basis of correct information, that the landfill unit and surrounding site are stable and that no release of waste materials, leachate, landfill gas or other contaminants that may cause environmental harm is likely.
P2-WM9	A site management plan pursuant to Chapter 7, Part 8, Division 5 of the <i>Environmental Protection Act 1994</i> must be developed and provided to the administering authority at least 12 months before the expected final receipt of waste in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions intended to taken for compliance with the closure and post-closure care requirements of this approval.

Part 3

Applicable Part	Environmentally relevant activity	Location
Part 3	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	Tully Main Refuse Site Lot 638 on Plan CP881690 Tully Gorge Road, Tully QLD 4854

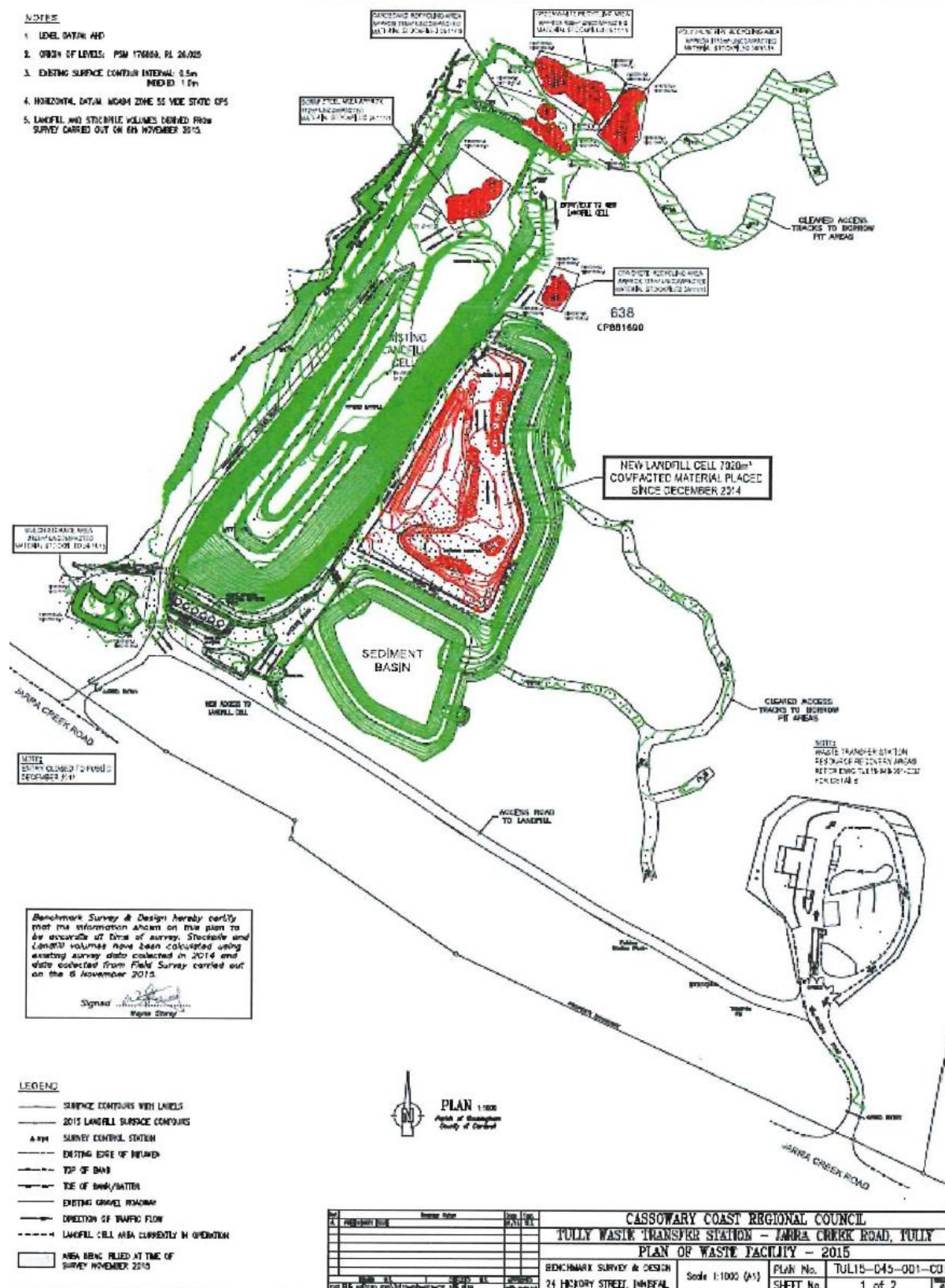
The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	Condition
P3-G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: a) do not extend beyond the boundary of the approved place.
P3-G2	Only the following waste streams can be received at the site: a) construction wastes and demolition waste; b) asbestos sheeting or asbestos products; c) minor quantities of regulated wastes incidental to and commingled with domestic refuse; d) solid inert waste; e) tyres; f) putrescible wastes and domestic garbage; and g) green wastes.

	Note: 1. paper covered plasterboard must only be received at the licensed place if it is generated by construction and demolition activities and delivered to the licensed place as a part of a mixed load of materials; and 2. drums containing any residual regulated wastes are themselves a regulated waste and must not be accepted for disposal at the site unless they have been steam cleaned, triple rinsed or thoroughly cleaned. 3. batteries, waste oil and tyres may be temporarily stored on the licensed place; 4. car bodies and recyclable solid inert wastes may be temporarily stored on the licensed place.
P3-G3	In addition to condition number P3-G2, the following waste streams must not be permitted to be placed at the landfill facility at any time: a) pyrophoric wastes (where co-disposed with other potentially combustible material); b) untreated infectious wastes; c) explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction; d) liquescent waste streams or any waste capable of yielding free liquids; and e) regulated wastes other than those permitted in condition number P3-G2.
Agency interest: Waste Management	
Condition number	Condition
P3-WM1	Waste tyres may be stored in temporary above ground heaps on the licensed place provided that there are no more than 500 waste tyres at any time in any one heap.
P3-WM2	Where there is more than one heap of waste tyres, a separation distance between the heaps must be established and maintained so as to effectively prevent fire from spreading: a) from one tyre storage heap to another; and b) to other waste stored or disposed of at the licensed place.
P3-WM3	Disposal of Asbestos Wastes All asbestos wastes disposed of at the waste disposal facility must be contained in an area designated for this purpose on the site development plan, and is not less two (2) metres from the surface and not less than two (2) metres in from any above ground perimeter embankment.
Agency interest: Monitoring and Reporting	
Condition number	Condition
P3-MR1	Groundwater Monitoring The release of contaminants to groundwater as a result of the activity must: 1. be monitored from the uppermost aquifer at locations hydraulically up-gradient and down-gradient of the landfilled waste; and 2. not cause environmental harm; and 3. monitor groundwater 4. monitor, at least, the following indicator quality groundwater characteristics: a) pH; b) electrical conductivity; c) dissolved oxygen; d) total dissolved solids; e) ammonia (as nitrogen); f) manganese; g) sulphate; h) nitrate (as N); i) Chemical Oxygen Demand (COD); j) chloride;

	k) nitrate (as nitrogen); l) total iron; m) bicarbonate (HCO ₃) n) lead; and o) zinc.
P3-MR2	The holder of this environmental authority must monitor groundwater quality with samples collected from all monitoring bores on the licensed place not less frequently than at least one occasion in each of the months of December, March, July and October each year.
P3-MR3	Where the leachate head above the base of any future waste disposal cell (as calculated from measurements taken at any sump well located within a disposal cell) is higher than 300mm then the head of leachate at that sump well must be measured at least once every twenty-four (24) hours until the head of leachate drops below 300mm.
P3-MR4	Where the head of leachate above the base of any future waste disposal cell (calculated from measurements taken at any leachate pump well located within a disposal cell) is 300mm or lower the leachate head at that sump well must be measured on at least a weekly basis.
P3-MR5	Leachate Quality Monitoring The holder of this environmental authority must record and monitor the quality of any leachate collected at the base of the waste disposal facility in accordance with the following requirements: 1. A sample of leachate must be taken from a sump well installed into any of the active future waste disposal cells as part of the leachate collection system on at least one occasion in the month of November each year; and 2. the sample obtained in accordance with paragraph (a) of this condition must be analysed for the following parameters: a) pH; b) electrical conductivity; c) dissolved oxygen; d) total dissolved solids; e) ammonia (as nitrogen); f) sodium; g) sulphate; h) nitrate (as N); i) Chemical Oxygen Demand (COD); j) chloride; k) nitrate (as nitrogen); l) total iron; m) bicarbonate (HCO₃) n) lead; and o) zinc.

Site Plan — Tully Main Refuse Site



Part 4

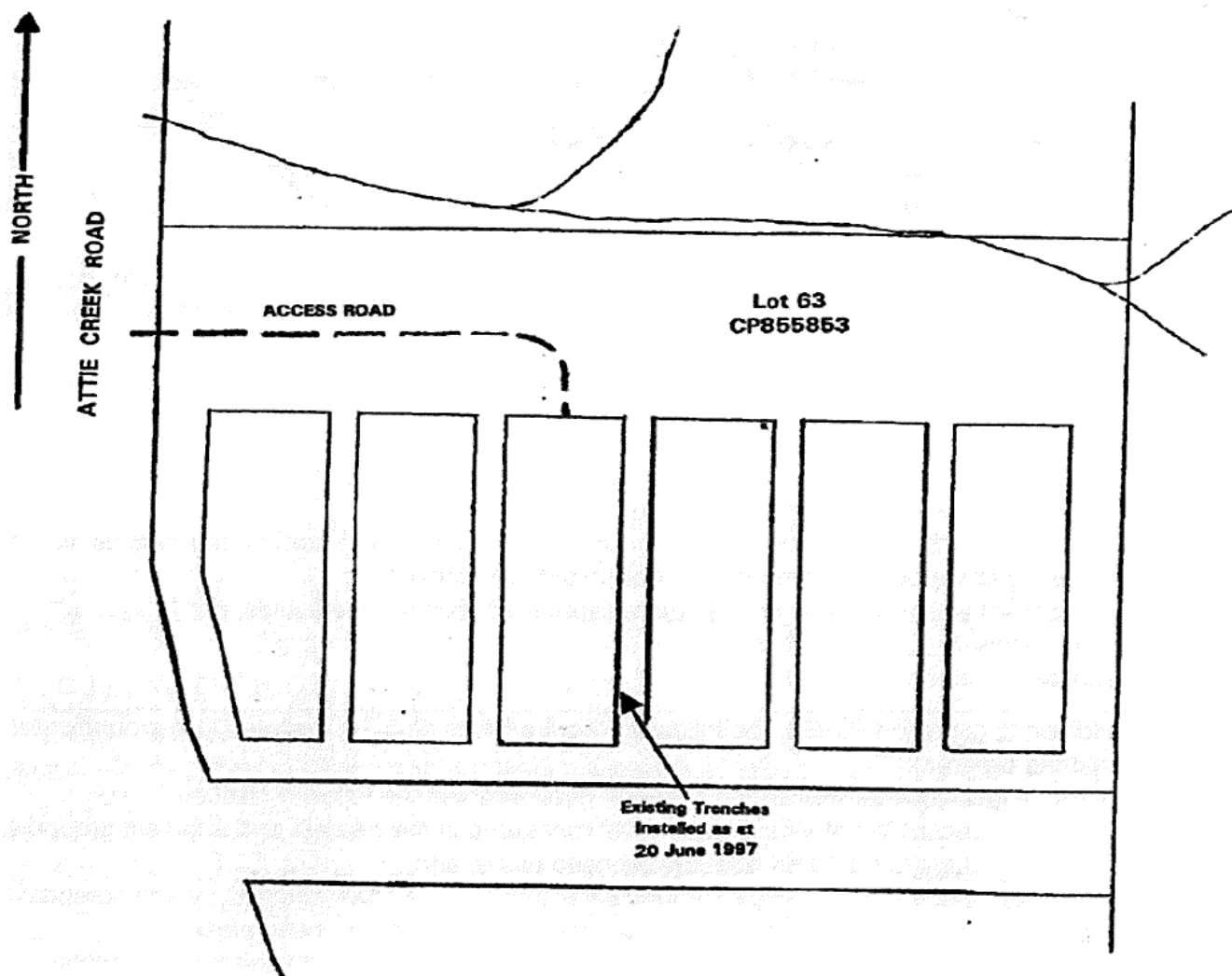
Applicable Part	Environmentally relevant activity	Location
Part 4	ERA 60 Waste disposal 2(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b) - more than 10,000t but not more than 20,000t	Cardwell Refuse Site Lot 63 on Plan CP855853 Attie Creek Road, Cardwell QLD 4849

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

Agency interest: General	
Condition number	Condition
P4-G1	The holder of this environmental authority must ensure that waste disposal activities do not extend: a) beyond the boundary of the licensed place; and b) into the fifty (50) meter buffer zone between any disposal cell and Attie Creek.
P4-G2	Only the following waste streams can be received at the site: a) construction wastes b) demolition waste; c) solid inert waste; d) paper covered plasterboard, green wastes and metals, provided that such wastes are generated by construction and demolition activities and delivered to the licensed place as part of a mixed load of materials.
P4-G3	In addition to condition number P4-G2, the following waste streams must not be permitted to be placed at the landfill facility at any time: a) pyrophoric wastes (where co-disposed with other potentially combustible material); or b) asbestos sheeting or other asbestos products; or c) explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction; or d) lyescent waste streams or any waste capable of yielding free liquids; or e) car bodies; or f) domestic refuse.
P4-G4	In addition to condition P1-G3, the following requirements must be included in a groundwater monitoring program: i) a groundwater monitoring program must address the following issues: 1. record the standing water level measured in the nearest and adjacent groundwater monitoring bores from the licensed place; and 2. monitor the quality of groundwater that has not been effected by any potential leakage of contaminants to groundwater from the licensed place; and 3. monitor the quality of groundwater in the nearest and adjacent groundwater monitoring bores hydraulically down gradient from the licensed place; and 4. groundwater monitoring must be undertaken for, at least, the following indicator characteristics: a) pH; b) electrical conductivity; c) dissolved oxygen; d) total dissolved solid; e) sulphate; f) total iron; g) zinc; h) lead;

- | | |
|--|---|
| | <p>i) chromium; and</p> <p>5. groundwater quality samples must be collected from groundwater monitoring bores on the licensed place on at least one occasion in the month of December 1997.</p> |
|--|---|

Site Plan — Cardwell Refuse Site



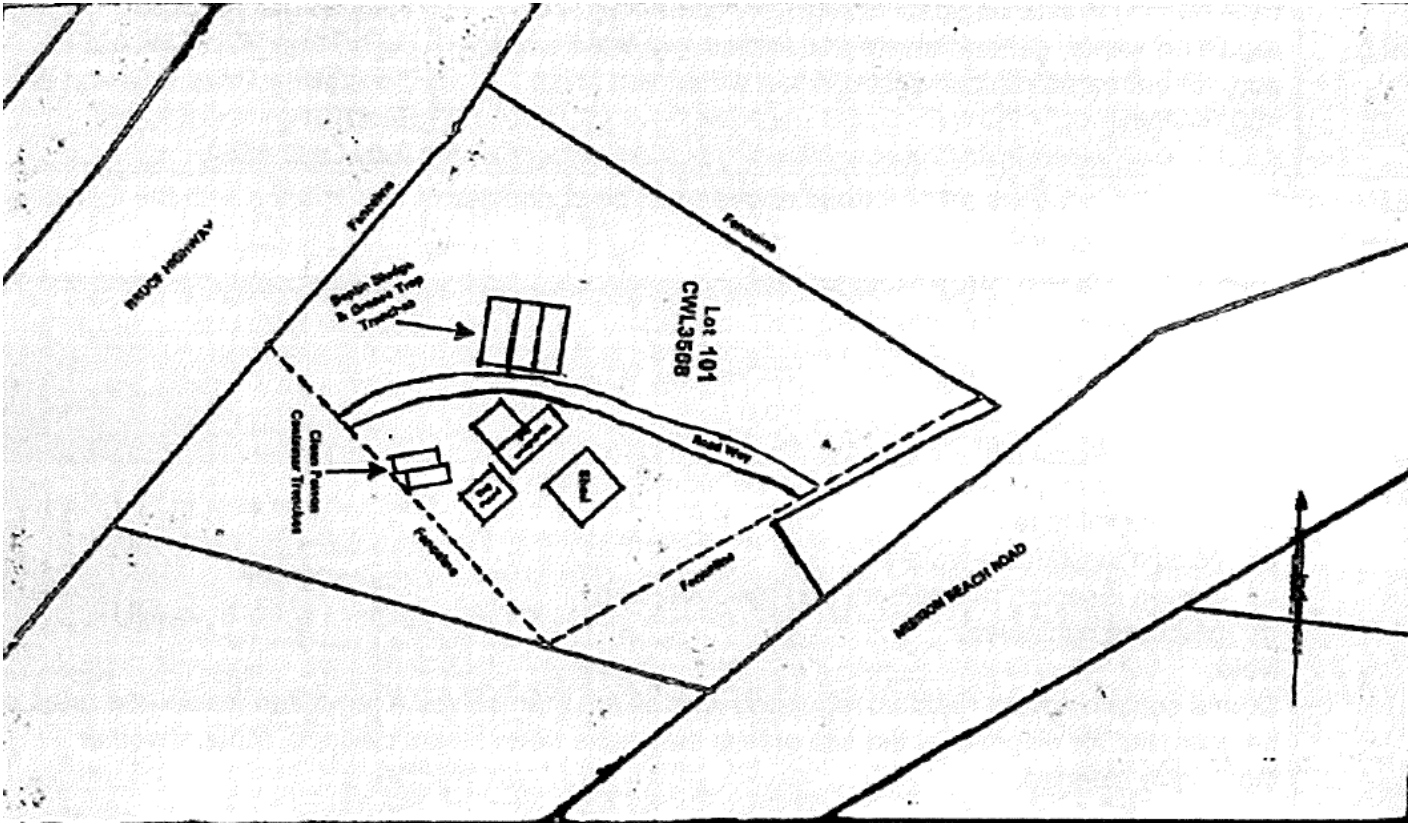
Part 5

Applicable Part	Environmentally relevant activity	Location
Part 5	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Sanitary Depot Lot 101 on Plan CWL3568 Cassowary Drive (Mission Beach Road) Tully QLD 4854

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

Agency interest: General	
Condition number	Condition
P5-G1	Only the following waste streams can be received at the site: a) bacterial sludges; b) vehicle washdown waters; c) grease inceptor trap effluent and residues; and d) pesticide containers Note: Drums containing any residual regulated wastes are themselves a regulated waste and must not be accepted for disposal at the site unless they have been steam cleaned, triple rinsed or thoroughly cleaned.
Agency interest: Waste Management	
Condition number	Condition
P5-WM1	The holder of this environmental authority must commence closure activities for the licensed place in accordance with the completed post closure care and maintained plan no later than 30 June 2005.

Site Plan – Tully Sanitary Depot



Part 6

Applicable Part	Environmentally relevant activity	Location
Part 6	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t	Tully Cemetery Regulated Waste Disposal Site Lot 2 on Plan RP732366 Tully Gorge Road, Tully QLD 4854

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

Agency interest: General	
Condition number	Condition
P6-G1	Only the following waste streams can be received at the site: a) boiler ash from the Tully Sugar Mill.

Part 7

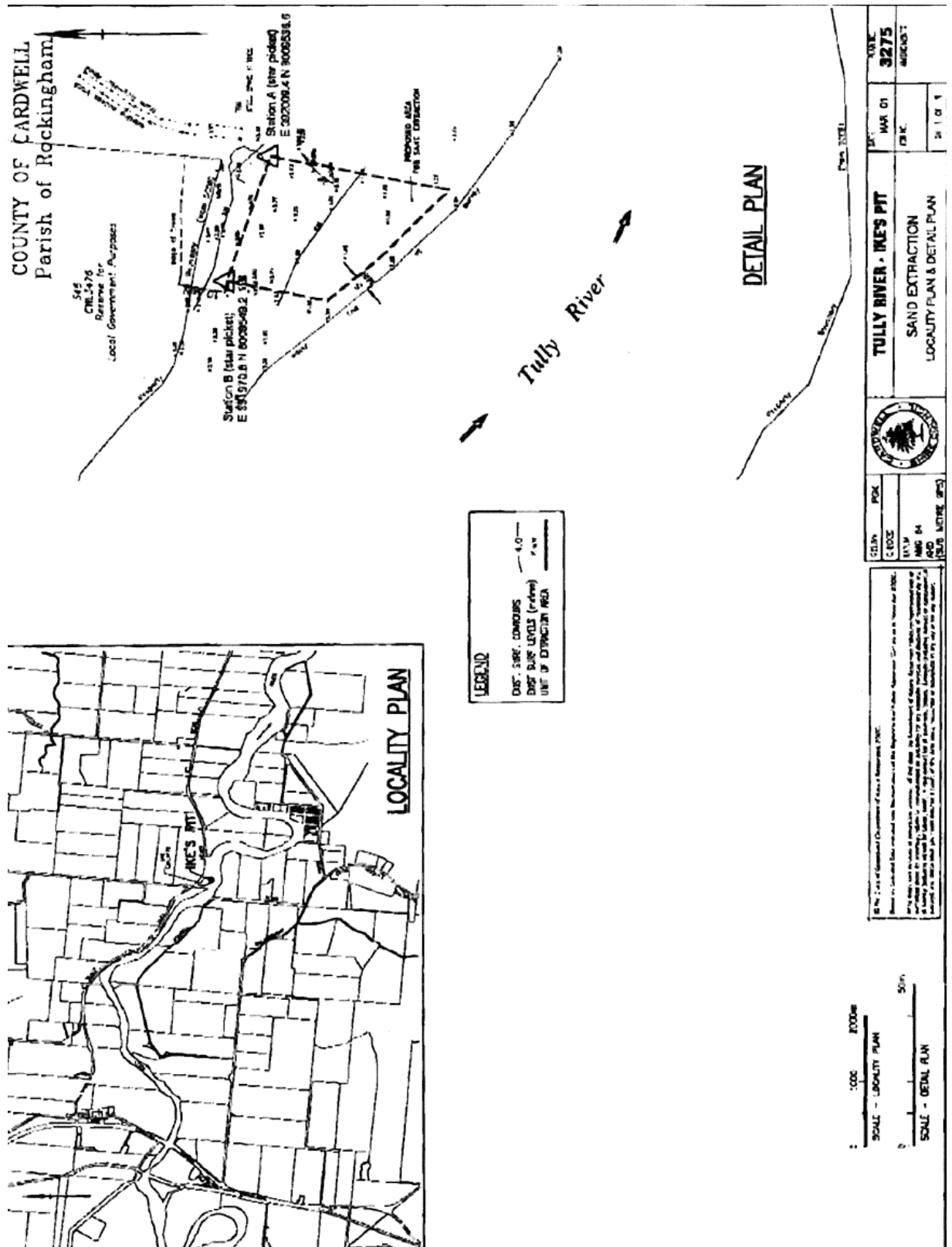
Applicable Part	Environmentally relevant activity	Location
Part 7	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Ike's Pit Adjacent to Tully Heads Road (Adjacent to Lot 546 Plan CWL3476) Lower Tully, QLD 4854

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

Agency interest: General	
Condition number	Condition
P7-G1	The dredging activity and any disturbance to flora and fauna (both aquatic and terrestrial), rock bars or riffle areas that create natural pools or sand, gravel and clay in the bed of the waters must only be carried out in the licensed area marked in Site Plan - Extraction Area Ike's Pit.
Agency interest: Air	
Condition number	Condition
P7-A1	Dust is not considered to be a nuisance under condition number P2-A1 if monitoring shows that dust and/or particulate matter does NOT exceed the following limits at the boundary of any affected dust sensitive place: - dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; and - a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a twenty-four (24) hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with: - Australian Standard AS 3580.9.6 <i>Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric</i>

	<i>method; or</i> b) any alternative method of monitoring PM10 which may be permitted by the <i>Air Quality Sampling Manual</i> as published from time to time by the administering authority.					
Agency interest: Water						
Condition number	Condition					
P7-W1	Dredging operations must not be carried out in the surface waters of the Tully River.					
P7-W2	Dredging operations must not be carried out closer than 5 metres of the water's edge.					
Agency interest: Noise						
Condition number	Condition					
P7-N1	Noise is not considered to be a nuisance under condition number P1-N1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Table 3 and Table 4.					
Table 3 – Noise Limits (Noise Sensitive Place)						
Noise Level db(A) measured as	Noise measured at a ‘Noise Sensitive Place’					
	Monday to Saturday			Sundays and Public Holidays		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
L _A 10,adj, 10 mins	b/g +5	b/g +5	b/g +0	b/g +5	b/g +5	b/g +0
L _A 1, adj,10 mins	b/g +10	b/g +10	b/g +5	b/g +10	b/g +10	b/g +5
Table 4 - Noise Limits (Commercial Place)						
Noise Level db(A) measured as	Noise measured at a ‘Commercial Place’					
	Monday to Saturday			Sundays and Public Holidays		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
L _A 10,adj, 10 mins	b/g +10	b/g +10	b/g +5	b/g +10	b/g +10	b/g +5
L _A 1, adj,10 mins	b/g +15	b/g +15	b/g +10	b/g +15	b/g +15	b/g +10
Agency interest: Land						
Condition number	Condition					
P7-L1	Dredging operations must not occur within ten (10) metres of the high water bank of the Tully River.					
P7-L2	All disturbed areas must be progressively re-profiled and stabilized to ensure that erosion is minimised at the cessation of activities.					

Site Plan – Extraction Area Ike's Pit



Part 8

Applicable Part	Environmentally relevant activity	Location
Part 8	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	Tully Sewage Treatment Plant Lot 3 on Plan SP167295 Wildsoet Street, Tully QLD 4854

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

Agency interest: General																																																																																												
Condition number	Condition																																																																																											
P8-G1	Approved Reticulation Works Only the rising main, reticulation system and pump stations shown in the following plans prepared by Cardno MBK and submitted to the Administering Authority on 18 March 2003 are approved under this approval: Job Number Q02 4028, Drawing number CO1 Job Number Q02 4027, Drawings number SM-1000, W-1000 and NM-1000.																																																																																											
Agency interest: Water																																																																																												
Condition number	Condition																																																																																											
P8-W1	The only contaminants to be released from monitoring point W1 are effluent from the sewage treatment plant in accordance with the Table 5 - Release Limits and associated requirements. <table><tr><th colspan="8">Table 5 - Release Limits</th></tr><tr><th rowspan="2">Monitoring point</th><th rowspan="2">Quality characteristics</th><th colspan="5">Release limit</th><th rowspan="2">Monitoring frequency</th></tr><tr><th>minimum</th><th>50th percentile</th><th>median</th><th>80th percentile</th><th>maximum</th></tr><tr><td rowspan="9">Effluent discharge pipeline immediately before discharge from release point W1 or transfer to an irrigation area</td><td>5-day Biochemical Oxygen Demand (BOD)₅ (mg/L)</td><td>-</td><td>5</td><td>-</td><td>10</td><td>20</td><td>weekly</td></tr><tr><td>Suspended Solids (SS) mg/L</td><td>-</td><td>5</td><td>-</td><td>15</td><td>30</td><td>weekly</td></tr><tr><td>pH</td><td>6</td><td>-</td><td>-</td><td>-</td><td>8</td><td>daily</td></tr><tr><td>Dissolved Oxygen (DO) (mg/L)</td><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>daily</td></tr><tr><td>Total Nitrogen (TN) (mg/L)</td><td>-</td><td>5</td><td>-</td><td>-</td><td>10</td><td>fortnightly</td></tr><tr><td>Total Oxidized Nitrogen (TON) (mg/L)</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>fortnightly</td></tr><tr><td>Ammonia Nitrogen (N-NH3) (mg/L)</td><td>-</td><td>1</td><td>-</td><td>-</td><td>2</td><td>fortnightly</td></tr><tr><td>Total Phosphorus as P (mg/L)</td><td>-</td><td>1</td><td>-</td><td>-</td><td>2</td><td>fortnightly</td></tr><tr><td>Faecal Coliforms (Organisms/100mL)</td><td>-</td><td>-</td><td>150⁽¹⁾</td><td>-</td><td>600</td><td>fortnightly</td></tr></table> Associated requirements 1. "Median" for this quality characteristic must be based on the results of at least five (5) samples, with individual samples being collected at intervals of not less than thirty (30) minutes. 2. Monitoring must be in accordance with the administering authority's Water Quality Sampling Manual and any additional relevant guidelines and all monitoring devices must be effectively calibrated and maintained. 3. All determinations of the quality of contaminants released must be carried out on samples that are representative of the							Table 5 - Release Limits								Monitoring point	Quality characteristics	Release limit					Monitoring frequency	minimum	50th percentile	median	80th percentile	maximum	Effluent discharge pipeline immediately before discharge from release point W1 or transfer to an irrigation area	5-day Biochemical Oxygen Demand (BOD) ₅ (mg/L)	-	5	-	10	20	weekly	Suspended Solids (SS) mg/L	-	5	-	15	30	weekly	pH	6	-	-	-	8	daily	Dissolved Oxygen (DO) (mg/L)	2	-	-	-	-	daily	Total Nitrogen (TN) (mg/L)	-	5	-	-	10	fortnightly	Total Oxidized Nitrogen (TON) (mg/L)	-	-	-	-	-	fortnightly	Ammonia Nitrogen (N-NH3) (mg/L)	-	1	-	-	2	fortnightly	Total Phosphorus as P (mg/L)	-	1	-	-	2	fortnightly	Faecal Coliforms (Organisms/100mL)	-	-	150 ⁽¹⁾	-	600	fortnightly
Table 5 - Release Limits																																																																																												
Monitoring point	Quality characteristics	Release limit					Monitoring frequency																																																																																					
		minimum	50th percentile	median	80th percentile	maximum																																																																																						
Effluent discharge pipeline immediately before discharge from release point W1 or transfer to an irrigation area	5-day Biochemical Oxygen Demand (BOD) ₅ (mg/L)	-	5	-	10	20	weekly																																																																																					
	Suspended Solids (SS) mg/L	-	5	-	15	30	weekly																																																																																					
	pH	6	-	-	-	8	daily																																																																																					
	Dissolved Oxygen (DO) (mg/L)	2	-	-	-	-	daily																																																																																					
	Total Nitrogen (TN) (mg/L)	-	5	-	-	10	fortnightly																																																																																					
	Total Oxidized Nitrogen (TON) (mg/L)	-	-	-	-	-	fortnightly																																																																																					
	Ammonia Nitrogen (N-NH3) (mg/L)	-	1	-	-	2	fortnightly																																																																																					
	Total Phosphorus as P (mg/L)	-	1	-	-	2	fortnightly																																																																																					
	Faecal Coliforms (Organisms/100mL)	-	-	150 ⁽¹⁾	-	600	fortnightly																																																																																					

	discharge.																				
P8-W2	Receiving waters must be monitored at the locations specified, for the parameters defined in Table 6 at a frequency of at least monthly when discharging to Banyan Creek, except when the Banyan Creek flow rate is less than 2.5 cumecs, when the sampling frequency must be at least fortnightly if still discharging to Banyan Creek. Table 6 – Receiving Water Monitoring <table><tr><th>Monitoring Point</th><th>Parameters</th></tr><tr><td>Impact site — Banyan Creek — at a well mixed location no more than 100m downstream of discharge point W1</td><td>Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)</td></tr><tr><td>Reference Site — Banyan Creek — the Butler Street Bridge, Tully</td><td>Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)</td></tr><tr><td>Banyan Creek upstream of sewage treatment plant</td><td>Banyan Creek flow rate (Q_B)</td></tr></table>	Monitoring Point	Parameters	Impact site — Banyan Creek — at a well mixed location no more than 100m downstream of discharge point W1	Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)	Reference Site — Banyan Creek — the Butler Street Bridge, Tully	Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)	Banyan Creek upstream of sewage treatment plant	Banyan Creek flow rate (Q _B)												
Monitoring Point	Parameters																				
Impact site — Banyan Creek — at a well mixed location no more than 100m downstream of discharge point W1	Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)																				
Reference Site — Banyan Creek — the Butler Street Bridge, Tully	Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)																				
Banyan Creek upstream of sewage treatment plant	Banyan Creek flow rate (Q _B)																				
P8-W3	If any of the trigger levels stated in Table 7 are exceeded, you must: a) complete an investigation in accordance with the ANZECC (2000) methodology, into the potential for environmental harm; b) provide a written report to the administering authority within three (3) months of the date of the original exceedance, outlining: i) details of the investigations carried out; and ii) actions taken to prevent environmental harm. Table 7 - Receiving Water Trigger Limits <table><tr><th>Parameter</th><th>Units</th><th>Limit for freshwater — lowland river</th><th>Limit type</th></tr><tr><td>DO</td><td>% saturation</td><td>Greater than 20th percentile of reference sites² or 85%³ saturation, whichever is lower, AND Less than 80th percentile¹ of reference sites² or 120%³ saturation, whichever is higher.</td><td>Mean⁴</td></tr><tr><td>TN</td><td>µg/L</td><td>380¹</td><td>Mean⁴</td></tr><tr><td>TP</td><td>µg/L</td><td>20¹</td><td>Mean⁴</td></tr><tr><td>N-NH3</td><td>µg/L</td><td>11¹</td><td>Mean⁴</td></tr></table> ¹ Trigger levels based on the 50th percentile and derived using ANZECC (2000) methodology and are based on the reference site defined in Table 6. ² Reference site as defined in Table 6. ³ ANZECC (2000) trigger levels for aquatic ecosystems of slightly - moderately disturbed systems - Table 3.3.4/3.3.5 - tropical Australian lowland rivers. ⁴ The mean must be determined based on no more than five (5) consecutive samples.	Parameter	Units	Limit for freshwater — lowland river	Limit type	DO	% saturation	Greater than 20 th percentile of reference sites ² or 85% ³ saturation, whichever is lower, AND Less than 80 th percentile ¹ of reference sites ² or 120% ³ saturation, whichever is higher.	Mean ⁴	TN	µg/L	380 ¹	Mean ⁴	TP	µg/L	20 ¹	Mean ⁴	N-NH3	µg/L	11 ¹	Mean ⁴
Parameter	Units	Limit for freshwater — lowland river	Limit type																		
DO	% saturation	Greater than 20 th percentile of reference sites ² or 85% ³ saturation, whichever is lower, AND Less than 80 th percentile ¹ of reference sites ² or 120% ³ saturation, whichever is higher.	Mean ⁴																		
TN	µg/L	380 ¹	Mean ⁴																		
TP	µg/L	20 ¹	Mean ⁴																		
N-NH3	µg/L	11 ¹	Mean ⁴																		
P8-W4	Release to waters Only the contaminants specified below may be released to waters and only then from the discharge location specified and in compliance with the release limits listed in Table 5: Discharge Location W1- release of treated sewage effluent from Tully sewage treatment plant to Banyan Creek at a location adjacent to Lot 3 on Plan SP167295, at Wildsoet Street, Tully, Queensland.																				
P8-W5	The daily quantity of contaminants released to waters via release point W1, must not exceed the quantities stated in Table 8 for the respective flow rates in Banyan Creek. Table 8 <table><tr><td>Q_B[#] Flow rate in Banyan Creek (cumecs)</td><td>Less than 0.5</td><td>Greater than 0.5 and less than 2.5</td><td>Greater than 2.5</td><td>Wet weather day</td></tr><tr><td>Contaminant release on any dry weather day (megalitres)</td><td>Nil*</td><td>1.25 X (Q_B - 0.5)*</td><td>2.5 (=ADWF)</td><td>12.5 megalitres (=5 X ADWF)</td></tr></table> [#] The flow rate in Banyan Creek (Q_B) should be measured on a daily basis to set the permitted discharge	Q _B [#] Flow rate in Banyan Creek (cumecs)	Less than 0.5	Greater than 0.5 and less than 2.5	Greater than 2.5	Wet weather day	Contaminant release on any dry weather day (megalitres)	Nil*	1.25 X (Q _B - 0.5)*	2.5 (=ADWF)	12.5 megalitres (=5 X ADWF)										
Q _B [#] Flow rate in Banyan Creek (cumecs)	Less than 0.5	Greater than 0.5 and less than 2.5	Greater than 2.5	Wet weather day																	
Contaminant release on any dry weather day (megalitres)	Nil*	1.25 X (Q _B - 0.5)*	2.5 (=ADWF)	12.5 megalitres (=5 X ADWF)																	

	volumes for that day. * With effect from 1 January 2008.
P8-W6	Discharge location details The discharge location W1 must be submerged at all times.
P8-W7	All contaminants from discharge location W1 must be released through a suitable diffuser to achieve a minimum initial dilution of at least 10 to 1.
Agency interest: Land	
Condition number	Condition
P8-L1	Treated sewage effluent may be removed from the site and used for an alternative purpose, with the written consent of any third party involved.

Part 9

Applicable Part	Environmentally relevant activity	Location
Part 9	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Jarra Creek Dredging Adjacent to Lot 2 on Plan RP743135 Harney Road, Tully QLD 4854

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

Agency interest: General	
Condition number	Condition
P9-G1	This permit authorises the extraction of sand or other material from the banks of the Tully River at the location known as Harney's Pit adjacent to Lot 2 Plan RP 743135 at the following production capacities: Yearly rate of extraction: 3,500t per year .
Agency interest: Air	
Condition number	Condition
P9-A1	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.
P9-A2	Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place: 1. dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 2003 (or more recent editions); or 2. a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour

	averaging time at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with: a) Australian Standard AS 3580.9.6 of 2003 (or more recent editions) <i>Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method</i> ; or b) any alternative method of monitoring PM10 which may be permitted by the <i>Air Quality Sampling Manual</i> as published from time to time by the administering authority.					
Agency interest: Noise						
Condition number	Condition					
P9-N1	All noise from activities must not exceed the levels specified in Table 9 - Noise Limits, at any nuisance sensitive or commercial place.					
Table 9 – Noise Limits						
Noise Level db(A) measured as	Monday to Saturday			Sundays and Public Holidays		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
	Noise measured at a ‘Noise Sensitive Place’					
LA 10,adj, 10 mins	50	45	35	50	45	35
LA 1, adj,10 mins	55	50	40	55	50	40
	Noise measured at a ‘Commercial Place’					
LA 10,adj, 10 mins	55	50	40	55	50	40
LA 1, adj,10 mins	60	55	45	60	55	45

Part 10

Applicable Part	Environmentally relevant activity	Location
Part 10	ERA 16 - Extraction and Screening 1(a) - Dredging, in a year, the following quantity of material - 1000t to 10,000t	Cardwell Intake Road Dredging Adjacent to Lot 34 on Plan CWL1953 Ellerbeck QLD 4816

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

Agency interest: General	
Condition number	Condition
P10-G1	This permit authorises the extraction of sand or other material from the banks of Meunga Creek adjacent to Lot 34 on Plan CWL1953 at the following production capacities: Yearly rate of extraction: 250t per year.
Agency interest: Air	
Condition number	Condition
P10-A1	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of

	monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.																																																													
P10-A2	Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commenrcal place: 1. dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 2003 (or more recent editions); or 2. a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with: a) Australian Standard AS 3580.9.6 of 2003 (or more recent editions) <i>Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method</i>; or b) any alternative method of monitoring PM10 which may be permitted by the <i>Air Quality Sampling Manual</i> as published from time to time by the administering authority.																																																													
Agency interest: Noise																																																														
Condition number	Condition																																																													
P10-N1	All noise from activities must not exceed the levels specified in Table 10 - Noise Limits, at any nuisance sensitive or commercial place. <table><tr><th colspan="7">Table 10 – Noise Limits</th></tr><tr><th rowspan="3">Noise Level db(A) measured as</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sundays and Public Holidays</th></tr><tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>9am-6pm</th><th>6pm-10pm</th><th>10pm-9am</th></tr><tr><th colspan="6">Noise measured at a ‘Noise Sensitive Place’</th></tr><tr><td>L_A 10,adj, 10 mins</td><td>50</td><td>45</td><td>35</td><td>50</td><td>45</td><td>35</td></tr><tr><td>L_A 1, adj,10 mins</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr><tr><th></th><th colspan="6">Noise measured at a ‘Commercial Place’</th></tr><tr><td>L_A 10,adj, 10 mins</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr><tr><td>L_A 1, adj,10 mins</td><td>60</td><td>55</td><td>45</td><td>60</td><td>55</td><td>45</td></tr></table>	Table 10 – Noise Limits							Noise Level db(A) measured as	Monday to Saturday			Sundays and Public Holidays			7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am	Noise measured at a ‘Noise Sensitive Place’						L _A 10,adj, 10 mins	50	45	35	50	45	35	L _A 1, adj,10 mins	55	50	40	55	50	40		Noise measured at a ‘Commercial Place’						L _A 10,adj, 10 mins	55	50	40	55	50	40	L _A 1, adj,10 mins	60	55	45	60	55	45
Table 10 – Noise Limits																																																														
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L _A 1, adj,10 mins	60	55	45	60	55	45																																																								

Part 11

Applicable Part	Environmentally relevant activity	Location
Part 11	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	Innisfail Sewage Treatment Plant Lot 303 on Plan NR5813 & Lot 47 Plan NR5813 Coquette Point Road, Innisfail QLD 4860

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

Agency interest: Air																											
Condition number	Condition																										
P11-A1	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.																										
Agency interest: Land																											
Condition number	Condition																										
P11-L1	No development (including operational works), clearing of native vegetation, excavation or filling of land is to be undertaken within the erosion prone area, (but excluding minor works for the installation of new connection pipe to the existing effluent outfall). The landward boundary of the erosion prone area is defined by: a) the plan position of Highest Astronomical Tide; or b) a line measured 40 metres landward of the plan position of mean high water springs, whichever provides the greatest width.																										
Agency interest: Water																											
Condition number	Condition																										
P11-W1	The only contaminant permitted to be released to surface waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, is treated sewage effluent in compliance with the release limits listed in Table 11 - Contaminant release limits to water and monitoring requirements. Table 11 - Contaminant release limits to water and monitoring requirements. <table><tr><th>Quality Characteristic</th><th>Minimum</th><th>Short Term 50th percentile</th><th>Long Term 50th percentile</th><th>Maximum</th><th>Monitoring Point</th><th>Monitoring frequency</th></tr><tr><td>BOD5 (mg/L)</td><td>-</td><td>10</td><td>5</td><td>30</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Suspended Solids mg/L</td><td>-</td><td>15</td><td>10</td><td>45</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr></table>						Quality Characteristic	Minimum	Short Term 50 th percentile	Long Term 50 th percentile	Maximum	Monitoring Point	Monitoring frequency	BOD5 (mg/L)	-	10	5	30	Outlet of the UV contact tank	Weekly	Suspended Solids mg/L	-	15	10	45	Outlet of the UV contact tank	Weekly
Quality Characteristic	Minimum	Short Term 50 th percentile	Long Term 50 th percentile	Maximum	Monitoring Point	Monitoring frequency																					
BOD5 (mg/L)	-	10	5	30	Outlet of the UV contact tank	Weekly																					
Suspended Solids mg/L	-	15	10	45	Outlet of the UV contact tank	Weekly																					

	Ammonia (mg/L)	-	2	1	6	Outlet of the UV contact tank	Weekly											
	Total Nitrogen (mg/L)	-	-	5	10	Outlet of the UV contact tank	Weekly											
	Total Phosphorus (mg/L)	-	-	1	2	Outlet of the UV contact tank	Weekly											
	Dissolved Oxygen (mg/L)	2	-	-	-	Outlet of the UV contact tank	Weekly											
	pH (pH Units)	6.5	-	-	8.5	Outlet of the UV contact tank	Weekly											
	Thermotolerant coliforms (CFU/100mL)	-	-	150	10,000	Outlet of the UV contact tank	Fortnightly											
	Oil and Grease	-	-	-	10	Outlet of the UV contact tank	Fortnightly											
Associated requirements																		
1. All determinations of the quality of contaminants released must be made in accordance with methods prescribed in the latest edition of the administering authority's Water Quality Sampling Manual.																		
P11-W2	Monitoring must be undertaken on samples collected from the outlet of the UV contact tank and records kept of contaminant releases to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, for the quality characteristics and not less frequently than specified in Table 11.																	
P11-W3	The total quantity of contaminants released to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, via the release points listed in Table 12 - Maximum permitted quantity of release, must not exceed the respective quantities stated in Table 12 - Maximum permitted quantity of release for each release point in on any dry weather day or on any one day. Table 12 - Maximum permitted quantity of release <table><tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any one day</th></tr><tr><td>Ninds Creek Outfall (W1)</td><td>8 ML/day</td><td>40 ML/day</td></tr></table>							Release Point	Maximum release on any dry weather day	Maximum release on any one day	Ninds Creek Outfall (W1)	8 ML/day	40 ML/day					
Release Point	Maximum release on any dry weather day	Maximum release on any one day																
Ninds Creek Outfall (W1)	8 ML/day	40 ML/day																
P11-W4	The daily volume of contaminants released to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.																	
P11-W5	Calculate and keep records of annual mass loads of total nitrogen and total phosphorus released to waters at W1, excluding bypass releases covered by conditions P11-W12 and P11-W13. Table 13 - Release mass load limits <table><tr><th>Period</th><th>Contaminant</th><th>Limit Type</th><th>Release Limit</th></tr><tr><td rowspan="2">Each Calendar Year</td><td>Total Nitrogen as N</td><td>Annual Load</td><td>To be calculated using Formula 1 (kg/calendar year)</td></tr><tr><td>Total Phosphorus as P</td><td>Annual Load</td><td>To be calculated using Formula 2 (kg/calendar year)</td></tr></table> Calculation of release mass load limits Formula 1: Annual Mass Load Limit TN = ADF ¹ x 365 x 5mg/L Formula 2: Annual Mass Load Limit TP = ADF ¹ x 365 x 1 mg/L Notes: ¹ Average Daily Flow (ADF) = the average daily wastewater flow (ML) measured over the preceding 12 months.							Period	Contaminant	Limit Type	Release Limit	Each Calendar Year	Total Nitrogen as N	Annual Load	To be calculated using Formula 1 (kg/calendar year)	Total Phosphorus as P	Annual Load	To be calculated using Formula 2 (kg/calendar year)
Period	Contaminant	Limit Type	Release Limit															
Each Calendar Year	Total Nitrogen as N	Annual Load	To be calculated using Formula 1 (kg/calendar year)															
	Total Phosphorus as P	Annual Load	To be calculated using Formula 2 (kg/calendar year)															
P11-W6	Calculate and keep records of daily, median monthly and annual mass loads of total nitrogen and total phosphorus released to waters at W1, excluding bypass releases covered by conditions P11-W12 and P11-W13. Mass loads must be calculated by the following formula:																	

	Daily Mass Load = Measured value¹ of contaminant (mg/L) x Daily Flow for release point W1 Monthly Mass Load = the sum of all the daily mass loads for that month Annual Load = the sum of the daily mass loads released for that calendar year. Notes: ¹ The measured value being the value measured that day or on the most recent sampling occasion if not measured that day.
P11-W7	A receiving environment monitoring program (REMP) must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on waters.
P11-W8	The REMP must include at least the following: 1) Description of potentially affected receiving waters including key communities and background water quality characteristics based on accurate and reliable monitoring data that takes into consideration any temporal variation (e.g. seasonality); and 2) Description of applicable environmental values and water quality objectives to be achieved (i.e. as scheduled pursuant to the current Environmental Protection (Water) Policy); and 3) Any relevant reports prepared by other governmental or professional research organisations that relate to the receiving environment within which the REMP is proposed; and 4) Water quality targets within the receiving environment to be achieved, and clarification of contaminant concentrations or levels indicating adverse environmental impacts during the REMP; 5) Monitoring for any potential adverse impacts caused by the release; 6) Monitoring of stream flow and hydrology; 7) Monitoring of toxicants should consider indicators relevant to the release to assess the extent of the compliance of concentrations with water quality objectives and/or the ANZECC & ARM CANZ 2000 guidelines for slightly to moderately disturbed ecosystems; 8) Monitoring of the following parameters: a) pH; b) Dissolved Oxygen; c) Conductivity; d) Temperature; e) Suspended Solids; f) Ammonia; g) Total Nitrogen h) Total Oxidised Nitrogen; i) Total and Reactive Phosphorus; and j) Chlorophyll a; 9) Specify sampling and analysis methods and quality assurance and control; 10) Any historical datasets to be relied upon; 11) Description of the statistical basis on which conclusions are drawn; and 12) Any spatial and temporal controls to exclude confounding factors.
P11-W9	The frequency of monitoring under the REMP must be at least four occasions between the months of May to November with a period of no less than 30 days between sample events.
P11-W10	On a five (5) yearly basis, after commissioning of the STP, provide a summary report to the administering authority, covering: a) the preceding (5) years of data collected in the Receiving Environment Monitoring Program, including interpretation of what results indicate regarding the environmental condition of the receiving environment; and b) any advances in technology for sewage treatment, including details of potential application to the STP, likely improvement in effluent quality and the cost effectiveness of implementing the technology.
P11-W11	The only points in the sewer system permitted to overflow and release contaminants to any waters are the pump stations and overflows listed below at the corresponding overflow and discharge locations:

Table 14		
Overflow Point	Location	Discharge to
1	Wrights Park	Johnstone River
2	Marty Street	South Johnstone River
3	Lily Street	South Johnstone River
4	Karboota Street	drain to Bamboo Creek
5	Penda Street	drain to Johnstone River
6	Corinda Street	Johnstone River
7	Coronation Drive	South Johnstone River
8	Monica Street	overflows into adjoining catchment
9	Fitzgerald Esplanade	Johnstone River
11	Ernest Street	drain to Johnstone River
15	Donald Street	overflows into adjoining catchment
16	Haddrell Park	South Johnstone River
17	May Street	drain to Bamboo Creek
18	Callow Street	drain to Johnstone River
20	Mahogany Street	drain to Johnstone River
21	Blackwood Street	overflows into adjoining catchment
24	Badilla Street	drain to Bamboo Creek
25	Bergin Street	drain to Johnstone River
26	Dalrymple Esplanade	drain to Johnstone River
27	Vidar Street	overflows into adjoining catchment

P11-W12	Bypass releases must be screened prior to being released into Ninds Creek via the release point W1 listed in Table 12 - Maximum permitted quantity of release.
P11-W13	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: a) Bypass releases must only occur as a result of a wet weather event and for flows that are in excess of the designated hydraulic capacity of the sewage treatment plant being 14.2ML per day.

Part 12

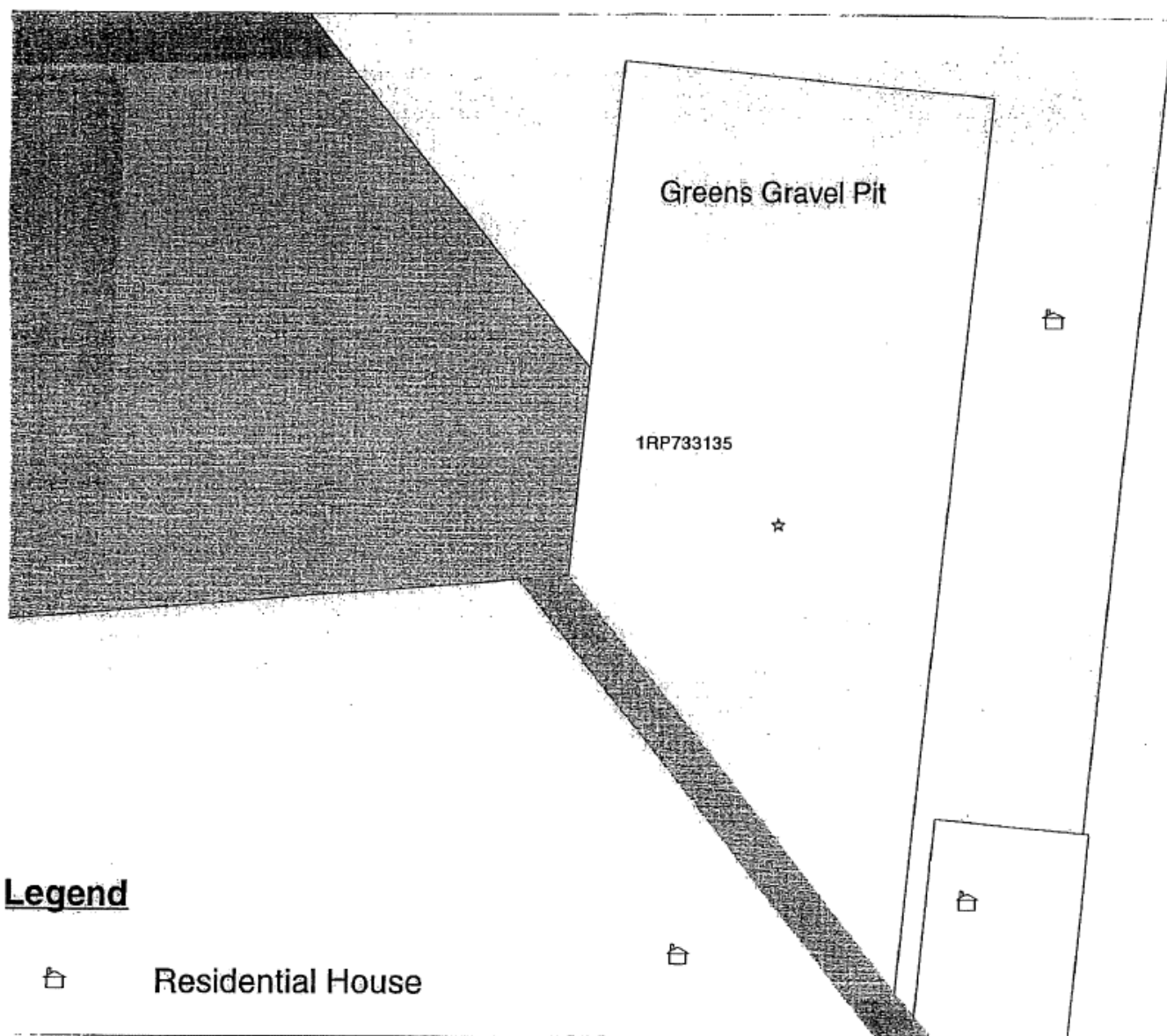
Applicable Part	Environmentally relevant activity	Location
Part 12	ERA 16 - Extraction and Screening 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	Greens Gravel Pit Lot 1 on Plan RP733135 Crupi Road, EL ARISH QLD 4855

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

Agency interest: Water	
Condition number	Condition
P12-W1	The only contaminants permitted to be released to waters from the licensed place are suspended solids during overflow events from the settlement ponds.
Agency interest: Stormwater Management	

Condition number	Condition
P12-SM1	All settlement ponds must have sufficient freeboard to ensure there is adequate storage in addition to groundwater to contain runoff from a 1 in 10 year storm event of one hour duration.
P12-SM2	For the life of the extractive activity, the holder of this environmental authority shall ensure that revegetation areas are monitored and maintained to have at least 50% vegetative ground cover.

Site Plan — Greens Gravel Pit



Part 13

Applicable Part	Environmentally relevant activity	Location
Part 13	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	Stoters Hill Waste Transfer Station Lot 2 on Plan RP734667 Quarry Road, Innisfail, QLD 4860

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

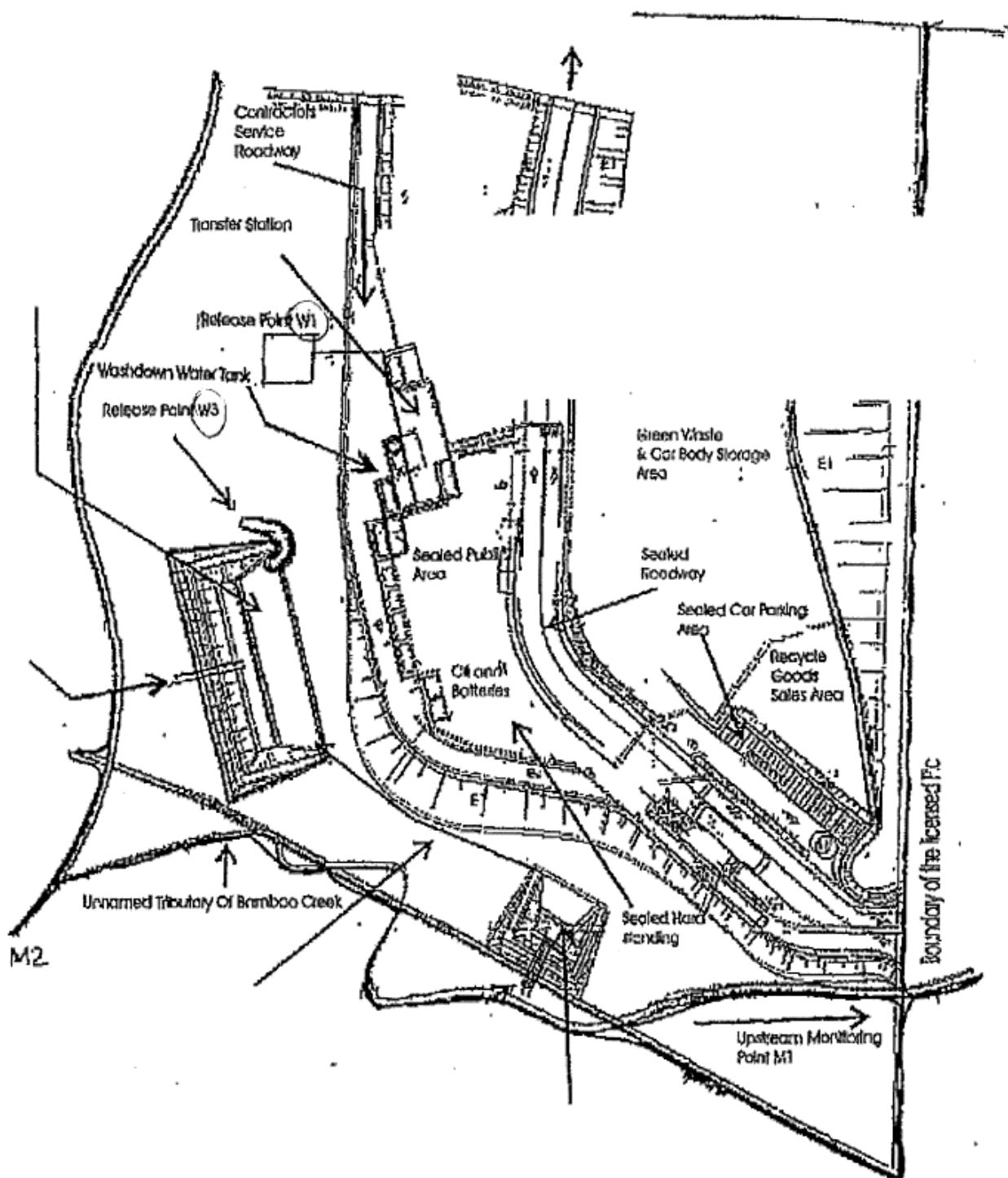
Agency interest: Water																							
Condition number	Condition																						
P13-W1	Leachate Disposal The holder of this environmental authority must ensure that all leachate generated on the licensed place is directed to sewer under a trade waste agreement.																						
P13-W2	Release Points Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the discharge of contaminated stormwater from sediment basins at Release Points 4.W1, 4.W2 and 4.W3 to waters described as the unnamed tributary of Bamboo Creek North (as shown in Site Plan — Stoters Hill Waste Transfer Station).																						
P13-W3	Quality Characteristics of Release to Waters The release of contaminants to waters must comply, at Release Points 4.W1, 4.W2 and 4.W3 with each of the limits specified in Table 15 for each quality characteristic. <table><tr><th colspan="3">Table 15</th></tr><tr><th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th></tr><tr><td>Suspended Solids (mg/L)</td><td>50 mg/L or 10% above background, whichever is greater.</td><td>Maximum</td></tr><tr><td>pH (pH Units)</td><td>background plus or minus one pH unit</td><td>Range</td></tr><tr><td>Specific Conductance (µS/cm)</td><td>1500</td><td>Maximum</td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>4.0</td><td>Minimum</td></tr><tr><td>Oil and Grease (mg/L)</td><td>10 mg/L or 10% above background, whichever is greater.</td><td>Maximum</td></tr></table> Note: Background is measured at a point M1 upstream of the boundary of the licensed place as shown on the Site Stoters Hill Waste Transfer Station.		Table 15			Quality Characteristics	Release Limit	Limit Type	Suspended Solids (mg/L)	50 mg/L or 10% above background, whichever is greater.	Maximum	pH (pH Units)	background plus or minus one pH unit	Range	Specific Conductance (µS/cm)	1500	Maximum	Dissolved Oxygen (mg/L)	4.0	Minimum	Oil and Grease (mg/L)	10 mg/L or 10% above background, whichever is greater.	Maximum
Table 15																							
Quality Characteristics	Release Limit	Limit Type																					
Suspended Solids (mg/L)	50 mg/L or 10% above background, whichever is greater.	Maximum																					
pH (pH Units)	background plus or minus one pH unit	Range																					
Specific Conductance (µS/cm)	1500	Maximum																					
Dissolved Oxygen (mg/L)	4.0	Minimum																					
Oil and Grease (mg/L)	10 mg/L or 10% above background, whichever is greater.	Maximum																					

Agency interest: Stormwater Management	
Condition number	Condition
P13-SM1	The first twenty millimetres (20 mm) of stormwater runoff from the car body and green waste storage area must be directed to the dirty water pond. All subsequent contaminated stormwaters from the green waste and car body storage area may be directed to the sediment basin.
P13-SM2	No water may be discharged from the dirty water pond except to sewer or to the sediment basin and only then when the water level in the dirty water pond exceeds the initial spill level.
P13-SM3	The only contaminants permitted to be collected in the sediment basin are contaminated stormwater from the sealed public area, sealed contractors area, unsealed contractors area, sealed contractors

	service roadway, sealed hardstand area, sealed roadway, sealed carpark, unsealed embankments and any other disturbed areas.
P13-SM4	The stormwater bypass outlet must be designed such that continuing stormwater runoff does not flush any previously collected contents to any stormwater drain.
P13-SM5	Within twenty-four (24) hours of the end of a rainfall event which has filled the first flush stormwater collection system, the prescribed minimum capacity of the collection system must again be made available in readiness for the next rainfall event by disposing to sewer of the captured contaminated stormwater runoff contained in the dirty water pond.
Agency interest: Noise	
Condition number	Condition
P13-N1	Any noise generating activity carried out on the licensed place, such as the entry and/or departure of heavy vehicles, the filling and or movement of bins and shredding of green waste may only be carried out between the hours of: 1) 6.00 am and 6.00 pm - Monday through to Sunday inclusive; 2) unless otherwise approved by the administering authority.
Agency interest: Waste Management	
Condition number	Condition
P13-WM1	Waste Acceptance Criteria This environmental authority permits only the following wastes to be received for storage at the licensed place: 1) construction and demolition wastes (including paper covered plasterboard and metals, provided that such wastes are generated by construction and demolition activities and delivered to the licensed place as part of a mixed load of materials); 2) solid inert waste; 3) putrescible wastes; 4) grits and screenings from sewage treatment plants and reticulation systems operated by the holder of this environmental authority; 5) domestic waste; 6) commercial waste (except for regulated wastes other than those permitted in condition number P13-WM2; 7) industrial waste (except for regulated wastes other than those permitted in condition number P13-WM2; 8) green wastes; and 9) car bodies. Note: Nothing in condition number P13-WM1 prohibits wastes that are permitted to be disposed of at the Stoters Hill Landfill from being received at the licensed place in transit to the landfill.
P13-WM2	Regulated Waste Acceptance This environmental authority permits only the following regulated wastes to be received for storage at the approved place: 1) used batteries; 2) waste oil; and 3) tyres; and 4) asbestos.
Agency interest: Monitoring and Reporting	

Condition number	Condition										
P13-MR1	The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released from the release points 4.W1, 4.W2 and 4.W3 to check conformity with the release quality characteristics specified condition P13-W3 of this environmental authority and of the water quality at the surface water monitoring points M1 and M2 for the quality characteristics and at least at the frequency specified in condition number Table 15. Table 17 <table> <tr> <th>Quality Characteristic Determination</th><th>Frequency</th></tr> <tr> <td>Suspended Solids</td><td>a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May</td></tr> <tr> <td>pH</td><td>a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May</td></tr> <tr> <td>Electrical Conductivity (uS/cm)</td><td>a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May</td></tr> <tr> <td>Dissolved Oxygen (mg/L)</td><td>a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May</td></tr> </table>	Quality Characteristic Determination	Frequency	Suspended Solids	a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May	pH	a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May	Electrical Conductivity (uS/cm)	a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May	Dissolved Oxygen (mg/L)	a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May
Quality Characteristic Determination	Frequency										
Suspended Solids	a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May										
pH	a) once during any release from the sediment pond during the period from June through to November; and b) twice during any release from the sediment pond during the period from December to May										
Electrical Conductivity (uS/cm)	a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May										
Dissolved Oxygen (mg/L)	a) twice during any release from the sediment pond during the period from June through to November; and b) once during any release from the sediment pond during the period from December to May										
P13-MR2	Surface Water Monitoring The holder of this environmental authority must monitor and record the quality of surface waters in accordance with the monitoring plan to detect any possible release(s) of contaminants from the transfer station. This monitoring must be undertaken by analysing samples collected from sampling points M1 and M2 for at least the following indicator water quality characteristics: 1) 5-Day Biochemical Oxygen Demand (mg/L) 2) Total Aluminium (mg/L) 3) Total Cadmium (µg/L) 4) Total Chromium (mg/L) 5) Total Copper (mg/L) 6) Total Iron (mg/L) 7) Total Lead (mg/L) 8) Total Zinc (mg/L) 9) Total Metals (mg/kg) 10) Petroleum Hydrocarbons (mg/L).										
P13-MR3	The holder of this environmental authority must monitor surface water quality with samples collected from sample points in accordance with the surface water monitoring program on at least one occasion in each year.										

Site Plan — Stoters Hill Waste Transfer Station



Part 14

Applicable Part	Environmentally relevant activity	Location
Part 14	ERA 60 - Waste disposal 1(a) - Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(a) - less than 50,000t 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	Stoters Hill Landfill Lot 2 Plan on RP734667 Lot 1 Plan on RP719182 Lots 1 and 2 on Plan NR4009 Lot 4 on Plan RP720775 Quarry Road, Innisfail, QLD 4860

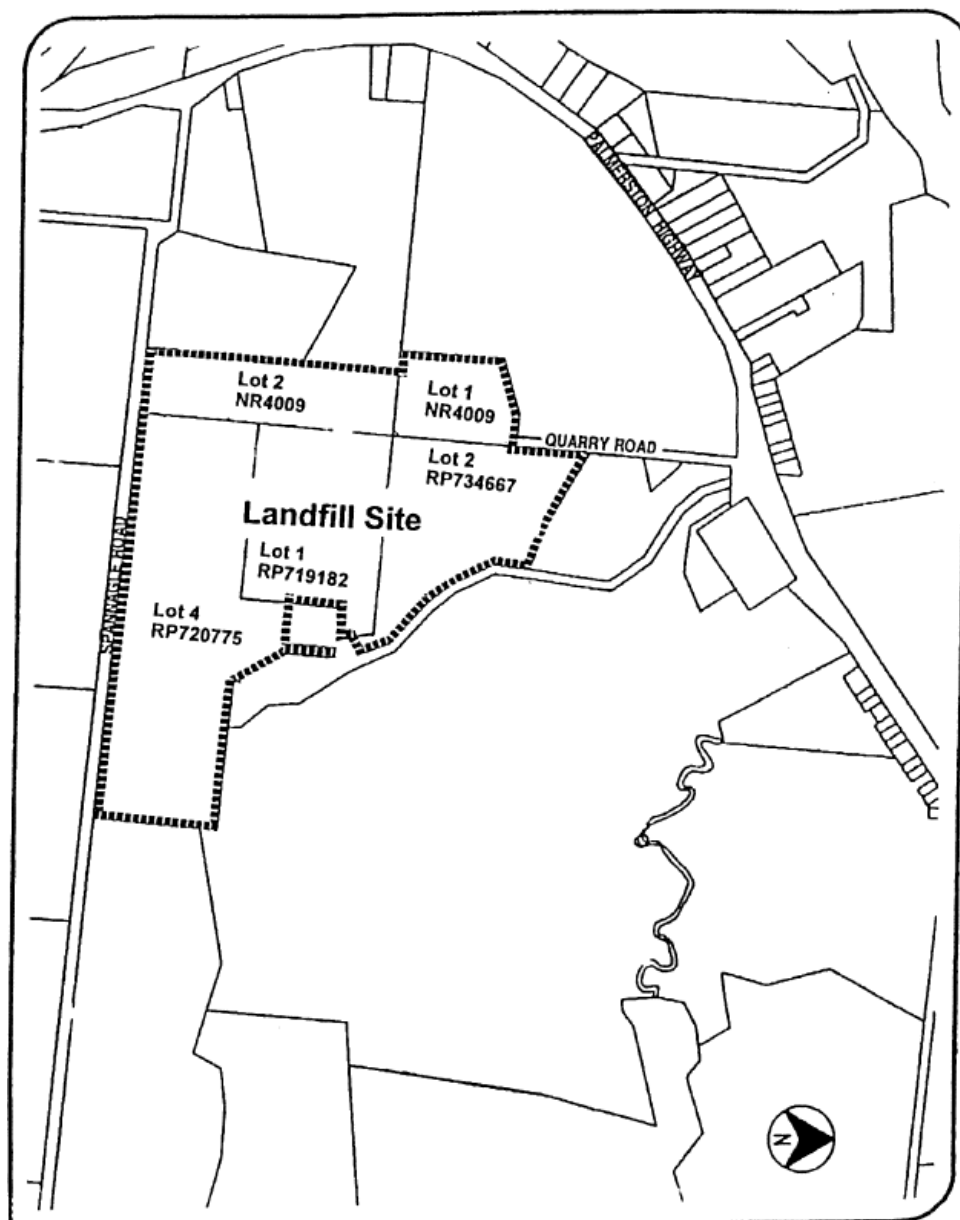
The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: Waste Management	
Condition number	Condition
P14-WM1	Waste Discharge Components The wastes disposed of at the licensed place must consist only of: 1) solid inert waste (dry waste) that: a) contains no contaminants likely to cause environmental harm either directly or indirectly and b) will not generate any contaminants through decomposition that are likely to cause environmental harm either directly or indirectly; or 2) asbestos.
P14-WM2	Prohibited Wastes The following wastes must not be disposed of at the licensed place: 1) putrescent wastes including unsorted domestic wastes. 2) lyescent wastes or any waste capable of yielding free liquids (excluding leachate or landfill gas condensate generated within the licensed place); or 3) soluble chemical wastes; or 4) regulated wastes other than asbestos and those wastes specifically permitted by condition number P14-WM1 of this environmental authority; or 5) infectious wastes, pharmaceutical wastes, pathogenic wastes and cytotoxic wastes; or 6) pyrophoric wastes, where co-disposed with other potentially combustible materials; or 7) automotive batteries; and 8) drums or any other container that has contained regulated waste; and 9) any other drums that have not been emptied and crushed or perforated.
P14-WM3	Asbestos waste accepted for disposal must be packaged in reinforced double lined plastic bags or other containers impermeable to asbestos dust.
P14-WM4	Asbestos waste must be unloaded, handled and buried in such a manner that dust containing asbestos fibres is not generated.
P14-WM5	Asbestos waste must not be disposed of within two (2) metres of the final surface of the landfill.
P14-WM6	The holder of this environmental authority must keep a written record of the type, amount and location of all asbestos waste deposited on the site.

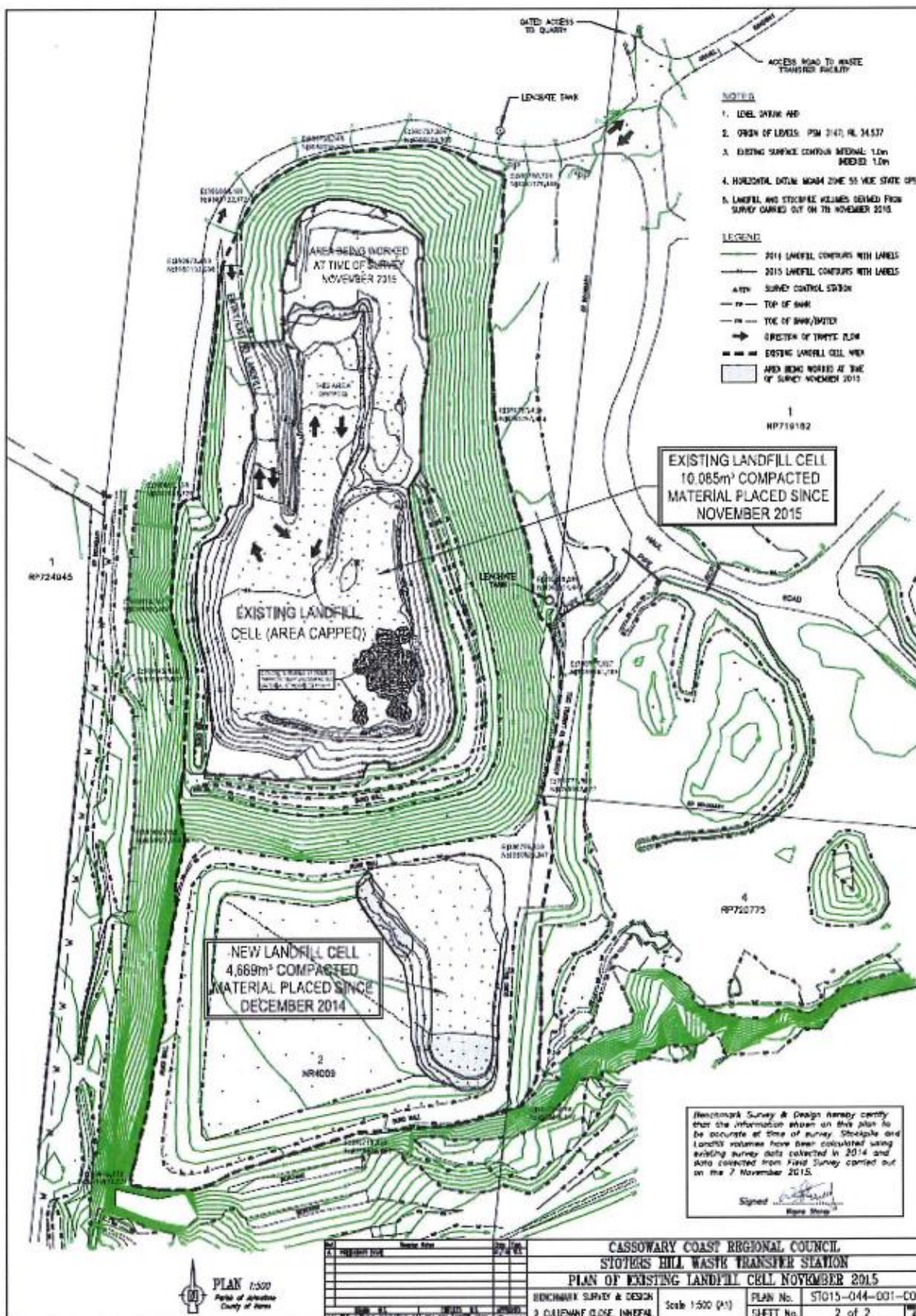
P14-WM7	The holder of this environmental authority must ensure an adequate supply of fire fighting water is at all times provided to the licensed place so that water can be discharged in an adequate volume to extinguish any fire occurring at the licensed place. This water may be reticulated or held in a static storage.																																																
Agency interest: Monitoring and Reporting																																																	
Condition number	Condition																																																
P14-MR1	Monitoring of Surface Water and Leachate The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the surface waters both upstream and downstream of the licensed place, of the site storm water discharge and of the water in the leachate collection well for the quality characteristics, and at the monitoring frequency specified, in Table 18.																																																
P14-MR2	Determinations of the quality of waters must be undertaken at the sampling and measurement point(s) described as: 1) Surface Waters: a) Monitoring Point 3.W1 (Upstream)- at the diversion point of the catchment south of the licensed place on Spanagle Road; and b) Monitoring Point 3.W2 (Downstream) - at the causeway on the access road to the house adjacent to the eastern boundary of the licensed place; and 2) Leachate - Monitoring Point 3.W3, the leachate collection well, and 3) Stormwater - Monitoring Point 3.W4, the stormwater discharge point from a stormwater control pond on the licensed place. Table 18<table><tr><th>Quality Characteristic Determinations</th><th>Monitoring Points</th><th>Monitoring Frequency</th></tr><tr><td>Presence of leachate in landfill cells</td><td>Face of tipping area</td><td>Every operating day</td></tr><tr><td>5-Day Biochemical Oxygen Demand</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Suspended Solids</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>pH</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Electrical Conductivity</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Dissolved Oxygen</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Temperature - Celsius degrees</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Total Petroleum Hydrocarbons</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Total Iron</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Total Aluminium</td><td>3.W1, 3.W2, 3.W3 & 3.W4</td><td>Quarterly</td></tr><tr><td>Total Cadmium</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Chromium</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Copper</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Lead</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Zinc</td><td>3.W3</td><td>Annually</td></tr></table>	Quality Characteristic Determinations	Monitoring Points	Monitoring Frequency	Presence of leachate in landfill cells	Face of tipping area	Every operating day	5-Day Biochemical Oxygen Demand	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Suspended Solids	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	pH	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Electrical Conductivity	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Dissolved Oxygen	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Temperature - Celsius degrees	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Total Petroleum Hydrocarbons	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Total Iron	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Total Aluminium	3.W1, 3.W2, 3.W3 & 3.W4	Quarterly	Total Cadmium	3.W3	Annually	Total Chromium	3.W3	Annually	Total Copper	3.W3	Annually	Total Lead	3.W3	Annually	Total Zinc	3.W3	Annually
Quality Characteristic Determinations	Monitoring Points	Monitoring Frequency																																															
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Total Zinc	3.W3	Annually																																															
P14-MR3	The holder of this environmental authority is responsible for ensuring a groundwater monitoring program is performed which complies with the following requirements: 1) standing water levels in metres must be measured and recorded on each occasion that samples are obtained. Such measurement must be undertaken prior to any disturbance by sampling and must be reported as the depth in metres from the top edge of the casing collar to the water surface within the bore; and 2) samples of groundwater must be taken from each of the bores and must be analysed for the quality characteristics, and at the frequency specified, in Table 19.																																																

Table 19	
Quality Characteristic Determination	Frequency
Chemical Oxygen Demand	Quarterly
pH	Quarterly
Electrical Conductivity	Quarterly
Dissolved Oxygen	Quarterly
Temperature - Celsius degrees	Quarterly
Total Iron	Quarterly
Total Zinc	Quarterly
Total Petroleum Hydrocarbons	Quarterly
Total Aluminium	Quarterly
Total Lead	Annually

Site Boundary Plan — Stoters Hill Waste Disposal Facility



Plan — Stoters Hill Waste Disposal Facility



Part 15

Applicable Part	Environmentally relevant activity	Location
Part 15	ERA 64 - Water treatment 3 - Treating 10ML or more raw water in a day	Innisfail Water Treatment Plant Lot 1 on Plan SP237178 Lot 2 on Plan NR2513 617 Palmerston Highway Innisfail QLD 4860

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

Agency interest: Water																													
Condition number	Condition																												
P15-W1	Monitoring Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the quality characteristics and not less frequently than specified in condition number Table 20 - Trigger levels and contaminant release limits to water. All determinations of the quality of contaminants released must be: a) made in accordance with methods prescribed in the latest edition of the administering authority's Water Quality Sampling Manual; and b) carried out on samples that are representative of the discharge. Table 20 — Trigger levels and contaminant release limits to water <table> <tr> <th rowspan="2">Monitoring point</th><th rowspan="2">Discharge location</th><th rowspan="2">Quality characteristics</th><th rowspan="2">Trigger Levels' Median ²</th><th colspan="2">Release limit</th><th rowspan="2">Monitoring frequency</th></tr> <tr> <th>Min</th><th>Max</th></tr> <tr> <td>W1 - reference site</td><td>Freshwater Creek</td><td>Suspended Solids (mg/L) pH (pH units) Dissolved Oxygen (% saturation) Aluminium (total - µg/L)</td><td>N/A</td><td></td><td></td><td>Monthly</td></tr> <tr> <td>W2 - discharge</td><td>Freshwater Creek</td><td>Suspended Solids (mg/L) pH (pH units) Dissolved Oxygen (% saturation) Aluminium (total - µg/L)</td><td>80th percentile³ of reference site Between 6.0-8.0 Between 85 — 120 55 µ/L or 80th percentile³ of reference site, whichever is higher</td><td>5.0 80</td><td>9.0 200</td><td>Monthly</td></tr> </table> ¹ ANZECC (2000) trigger levels for aquatic ecosystems of slightly — moderately disturbed systems — table 3.4.1 level of protection 95%/Table 3.3.4/3.3.5 — tropical Australian upland rivers OR QWQG (2006) guidelines. ² Trigger levels based on the 80th percentile is derived using ANZECC (2000) and QWQG (2006) methodology and are based on the reference sites. ³ Based on a minimum of five consecutive samples. ⁴ A "reference site" is described in QWQG (2006). A reference site is a site whose condition is considered to be a suitable baseline or benchmark for assessment and management of the water treatment plant sites. The reference site must be selected with reference to the criteria for a reference sites for physio chemical indicators outlined in Table C.1 of the Queensland Water Quality Guidelines, 2006.						Monitoring point	Discharge location	Quality characteristics	Trigger Levels' Median ²	Release limit		Monitoring frequency	Min	Max	W1 - reference site	Freshwater Creek	Suspended Solids (mg/L) pH (pH units) Dissolved Oxygen (% saturation) Aluminium (total - µg/L)	N/A			Monthly	W2 - discharge	Freshwater Creek	Suspended Solids (mg/L) pH (pH units) Dissolved Oxygen (% saturation) Aluminium (total - µg/L)	80th percentile ³ of reference site Between 6.0-8.0 Between 85 — 120 55 µ/L or 80 th percentile ³ of reference site, whichever is higher	5.0 80	9.0 200	Monthly
Monitoring point	Discharge location	Quality characteristics	Trigger Levels' Median ²	Release limit		Monitoring frequency																							
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W2 - discharge	Freshwater Creek	Suspended Solids (mg/L) pH (pH units) Dissolved Oxygen (% saturation) Aluminium (total - µg/L)	80th percentile ³ of reference site Between 6.0-8.0 Between 85 — 120 55 µ/L or 80 th percentile ³ of reference site, whichever is higher	5.0 80	9.0 200	Monthly																							

P15-W2	Contaminants must only be released to surface waters in compliance with the release limits listed in Table 20 - Trigger levels and contaminant release limits to water and the following discharge locations: a) Discharge Location W2 - namely release of filter backwash from the water treatment plant to the unnamed creek that feeds into North Johnstone River.
P15-W3	If receiving waters at the impacted site(s) defined as W2, exceed any of the contaminant trigger levels stated in Table 20, the environmental authority holder must: a) complete an investigation in accordance with the ANZECC (2000) methodology, into the potential for environmental harm; b) provide a written report to the administering authority within 3 months of the date of the original exceedence, outlining: i) details of the investigations carried out; and ii) actions taken to prevent environmental harm.

Part 16

Applicable Part	Environmentally relevant activity	Location
Part 16	ERA 63 - Sewage Treatment 2 - Operating a sewage pumping station mentioned in subsection (1)(b)	Tully Sewage Pump Stations Lot 580 on Plan CWL2384 Andersen St, TULLY QLD 4854 Lot 581 on Plan CWL2385, Butler St, TULLY QLD 4854 Lot 579 on Plan CWL2383 King St, TULLY QLD 4854

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

Agency interest: General	
Condition number	Condition
P16-G1	Scale and intensity The ERA to which this development approval relates must not be carried out in a manner which exceeds the following scale and intensity: a) the operation of a 57kL (maximum) per hour sewage pumping station located at King Street Esplanade, Tully, Lot 579 on plan CWL2383; b) the operation of a 66kL (maximum) per hour sewage pumping station located at Anderson Street, Tully, Lot 580 on plan CWL2384; and c) the operation of a 131kL (maximum) per hour sewage pumping station located at the Showground, Tully, Lot 581 on plan CWL2385.
P16-G2	The operator must notify the administering authority via the 24 hour hotline (Ph: 1300 130 372) as soon as practicable and no later than 24 hours after becoming aware of sewage releases described below. 1) any sewage release (any volume) that: a) poses a threat to public health (e.g. contamination of waterways with primary recreation values); b) results in any observable environmental impact (e.g. fish kill, distress to wildlife, marine plants or other aquatic life); c) discharges to, or is likely to impact, a sensitive place. 2) any dry weather release of sewage in excess of 10 000 litres.

P16-G3	If the notification requirements under condition P16-G2 do not apply, the operator must notify the administering authority of sewage releases to the environment as follows: a) dry weather releases of sewage less than 5000 litres and all wet weather releases are to be notified in the form of a quarterly summary (electronic or hard copy format); b) dry weather releases of sewage of between 5000 litres and 10 000 litres are to be notified to the administering authority via the 24 hour hotline (Ph: 1300 130 372) and written confirmation to the administering authority (in a format approved by the administering authority) no later than 14 days after becoming aware of the sewage releases.
Agency interest: Water	
Condition number	Condition
P16-W1	The pumping station must be fitted with inflow and outflow gauges to monitor flow, or an alternative system that has the ability to calculate inflow and outflow of sewage from the pumping station.
P16-W2	All alarms must be able to operate without mains power.

Definitions	
For the purpose of the environmental authority the following definitions apply to Parts 1 to 16:	
Word/phrase	Definition
administering authority	means the Department of Environment and Science or its successor.
annual return	means the return required by the annual notice (under section 316 of the <i>Environment Protection Act 1994</i>) for the section 73F registration certificate that applies to the development approval.
ANZECC	means <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000</i> .
approval	means environmental authority.
approved plans	means the plans and documents listed in the approved plans sections of this environmental authority.
artificial waterway	means an artificial channel, lake or other body of water. Artificial waterway includes: - an artificial channel that is formed because the land has been reclaimed from tidal water and is intended to allow boating access to allotments on subdivided land; - other artificial channels subject to the ebb and flow of the tide; and - any additions or alterations to an artificial waterway.
authorised place	means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.
commercial place	means a place used as an office or for business or commercial purposes.
dwelling	means any of the following structures or vehicles that is principally used as a residence: - a house, unit, motel, nursing home or other building or part of a building; - a caravan, mobile home or other vehicle or structure on land; - a water craft in a marina.
Department of Environment and Science	means the department or agency (whatever called) administering the <i>Coastal Protection and Management Act 1995</i> or the <i>Environmental Protection Act 1994</i> .
grab sample	means one sample collected at any point in time.
median	means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

maximum	means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
minimum	means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
range	means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.
$L_{Amax\ adj, T}$	means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than fifteen (15) minutes, using Fast response.
background noise level	means $L_{A90, T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than fifteen (15) minutes, using Fast response.
$M_{ax\ LpA, T}$	means the maximum A-weighted sound pressure level measured over a time period of not less than fifteen (15) minutes, using Fast response.

Part 17

Applicable Part	Environmentally relevant activity	Location
Part 17	ERA 63 - Sewage Treatment - 1(b-ii) - Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP - otherwise	Port Hinchinbrook STP Bruce Highway, Cardwell, QLD 4849 Lot 1 Plan C1043 Lot 2 Plan CWL1212 Lot 3 Plan C1043 Lot 3 Plan RP733367

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

Agency interest: General	
Condition number	Condition
P17-G1	Activities must be conducted in accordance with the following: a) Daily inflows into the sewage treatment plant, located on Lot 1 on Plan C1043, must not exceed the daily peak design capacity of 3 times the Design Average Dry Weather Flow (DADWF) of 4.65 L/s on any day unless the standard treatment processes of the sewage treatment plant are bypassed; and b) treated effluent must only be released to land inside the effluent disposal area shown in Appendix 1 – <i>Location of the irrigation areas</i> of this environmental authority.
P17-G2	All reasonable and practicable measures must be taken to prevent or minimise any environmental harm caused, or likely to be caused by the activities .
P17-G3	Any contravention of a condition of this environmental authority must be reported to the administering authority as soon as practicable, but no more than 24 hours of becoming aware of the contravention.
P17-G4	Within 14 days of providing the notification under condition P17-G3, or a longer period agreed to in writing by the administering authority , an investigation must be completed into any contravention of a condition of the environmental authority to determine: the potential circumstances and actions that may have contributed to the contravention; and the environmental impact of the contravention; and reasonable measures that could be implemented to address the cause of the contravention to prevent future contraventions of this nature.
P17-G5	Measures identified under condition P17-G4(c) must be implemented within: a) 28 days of the investigation required by condition P17-G4 being completed; or b) a longer period agreed to in writing by the administering authority.
P17-G6	The following details must be recorded for all contraventions of conditions within the environmental authority: a) date and time the contravention occurred; and b) nature and details of the contravention; and c) investigations carried out in response to the contravention as required by condition P17-G4; and d) the results of investigations; and e) measures taken under condition P17-G4(c).
P17-G7	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.

P17-G8	All information and records required by the conditions of this environmental authority must be kept for a minimum of five (5) years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority.
P17-G9	All records required by the conditions of this environmental authority must be provided to the administering authority upon request: a) within the timeframe specified by the administering authority; and b) in the format requested by the administering authority.
P17-G10	An appropriately qualified person(s) must monitor , record and interpret all parameters that are required to be monitored by this environmental authority.
P17-G11	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) accreditation or an equivalent certification, for such analyses. The only exception to this condition is for in situ monitoring of pH, dissolved oxygen and electrical conductivity.
P17-G12	An annual monitoring report (Annual Monitoring Report) must be prepared and submitted to the administering authority by 30 November each year, for the preceding financial year.
P17-G13	The following details must be recorded for all environmental complaints received: a) date and time the complaint was received; and b) if authorised by the person making the complaint, their name and contact details; and c) nature and details of the complaint; and d) investigations carried out in response to the complaint as required by condition P17-G14; and e) the results of investigations; and f) measures taken under condition P17-G14.
P17-G14	An investigation must be undertaken within 28 days (or a longer period agreed to in writing by the administering authority) into all complaints received to determine: (a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and (b) reasonable measures that could be implemented to address the complaint.
P17-G15	Measures identified under condition P17-G14 must be implemented within: (a) 28 days of the investigation required by condition P17-G14 being finalised; or (b) a longer period agreed to in writing by the administering authority.
P17-G16	When requested by the administering authority , monitoring must be undertaken in the manner and within the timeframe prescribed by the administering authority , to investigate any alleged environmental harm caused by the activity .
P17-G17	The results, including an analysis of the results, of monitoring required by condition P17-G16 must be provided to the administering authority : (a) within 10 days after receiving the monitoring results; or (b) A longer period agreed to in writing by the administering authority.
P17-G18	Written procedures must be developed which: (a) identify all potential risks to the environment from the activity, including: (i) during routine operations; and (ii) outside routine operations; and (iii) during closure; and (iv) in an emergency; and (b) identify measures to prevent or minimise the potential for environmental harm for each of the potential risks identified; and

	(c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and (d) establish a staff training program on obligations under this environmental authority and the <i>Environmental Protection Act 1994</i> to be conducted as part of staff inductions and at least annually thereafter; and (e) establish processes to review environmental risks, incidents, performance and complaints.
P17-G19	Written procedures required by condition P17-G18 must be: (a) implemented; and (b) reviewed at least every two years; and (c) provided to the administering authority upon request and within a timeframe specified by the administering authority.
P17-G20	Plant and equipment necessary to comply with the conditions of this environmental authority must be installed, operated, calibrated and maintained: (a) in a proper and effective manner; and (b) in accordance with the written procedures developed under condition P17-G18 for the plant and equipment.
P17-G21	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
P17-G22	All effluent quality monitoring data that is required by this environmental authority must be submitted to the administering authority annually via WaTERS .
Agency interest: Air	
Condition number	Condition
P17-A1	Odours or airborne contaminants from the activity must not cause environmental nuisance to any sensitive place or commercial place .
P17-A2	Effluent spray or overspray must not move beyond the effluent disposal area .
P17-A3	Effluent must only be disposed to the effluent disposal area via low-pressure surface sprinklers.
Agency interest: Land	
Condition number	Condition
P17-L1	Other than as permitted within this environmental authority, contaminants from the activity must not be released to land .
P17-L2	Contaminants generated by the activity must only be released to the effluent disposal area, authorised under condition P17-G1, where the following requirements are complied with: (a) the release limits for each quality characteristic are complied with at the monitoring location as specified in <i>Table 1 – Contaminant limits for releases to land</i>; and (b) releases are monitored at the minimum monitoring frequency for each quality characteristic specified in <i>Table 1 – Contaminant limits for releases to land</i>; and (c) the associated requirements specified under <i>Table 1 – Contaminant limits for releases to land</i> are complied with and records which demonstrate that compliance are made.

Table 1 – Contaminant limits for releases to land

Monitoring Point	Quality Characteristic (units)	Minimum	Mean	Maximum	Minimum monitoring frequency
	Irrigation volume (kL/day)	-	135	-	Daily
	pH (pH units)	6.5	-	8.5	Monthly
	Total Nitrogen TN (mg/L as N)	-	5	10	
	Total Phosphorus TP (mg/L as P)	-	1	2	
	<i>E.coli</i> (CFU/100mL)	-	10	100	
	Electrical Conductivity (µS/cm)	-	-	1,600	

Associated requirements

- Monitoring** must be undertaken when **effluent** is being disposed, unless **effluent** disposal has ceased for longer than the relevant parameters specified minimum frequency (e.g. if pH was only required to be **monitored** once a week, then a pH sample would not be required after the first week following cessation of the release).
- Mean** calculations required must be taken as a Long-Term Rolling Limit, meaning a limit applied to consecutive samples taken over a 12-month period (on a rolling basis for limit calculations) where consecutive samples are taken at the minimum frequency specified in Table 1 - *Contaminant limits for releases to land*.
- Volume **monitoring** must be undertaken using a flow meter.
- Monitoring** must be in accordance with the most recent edition of the **administering authority's Monitoring and Sampling Manual**.
- All **monitoring** devices must be effectively calibrated and maintained in accordance with manufacturers specifications.
- Monitoring** must be undertaken when **effluent** is being disposed, unless **effluent** disposal has ceased for longer than the relevant parameters specified minimum frequency (e.g. if pH was only required to be **monitored** once a week, then a pH sample would not be required after the first week following cessation of the release).
- The irrigation rate **monitoring** must be calculated based on the total area irrigated on that **day**, and the actual volume of **effluent** irrigated on that same **day**.

P17-L3	Releases to land authorised under condition P17-L2 must comply with the following: (a) the effluent disposal area , authorised under condition P17-G1, must have a minimum surface area of 5.515 hectares; and (b) must be maintained with an appropriate crop in a viable state .
P17-L4	All organic material removed from vegetation growing in the effluent disposal area must be transported and disposed of in an area other than the effluent disposal area .
P17-L5	The effluent disposal area must be fenced to prevent public access and warning notices displayed informing that the area is irrigated with effluent.
P17-L6	When weather conditions or soil conditions preclude the release of treated sewage effluent to land , effluent must not be released to land .
P17-L7	Ponding of contaminants within the effluent disposal area must not occur.
P17-L8	Contaminants must not run off to areas beyond the effluent disposal area .
P17-L9	Soil structure must not be degraded as a result of the activity .
P17-L10	Soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil must be minimised.

P17-L12	Clean stormwater must be diverted around the effluent disposal areas to minimise or prevent any adverse effect on the environmental values of waters .
P17-L13	Wet weather storage, with a minimum holding capacity of 2.4 ML must be installed and maintained on the site for the storage of effluent .
P17-L14	Effluent may be removed from the site and provided to a person with the written consent of that person .
P17-L15	Records of treated effluent removed from the site and supplied to a person must be made and include the following: a) the person the effluent was supplied to; and b) the <i>Escherichia coli</i> (E.coli) (cfu/100mL) concentration of the effluent supplied; and c) the volume of effluent supplied; and d) the date the effluent was supplied.
P17-L16	Drainage of contaminants to groundwater and subsurface flows of contaminants to surface waters must be minimised.
Agency interest: Acoustic	
Condition number	Condition
P17-N1	Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .
Agency interest: Waste	
Condition number	Condition
P17-W1	All waste generated by the activity must be lawfully reused or recycled, and/or lawfully removed to a facility that can lawfully accept the waste.
P17-W2	Dewatering and/or storing of any sludge generated by the activity must be undertaken in an area which provides an impervious barrier to land and waters .
Agency interest: Water	
Condition number	Condition
P17-WT1	Other than as permitted within this environmental authority, contaminants must not be released to any waters .
P17-WT2	Contaminants generated by the activity, other than those in bypass releases covered by conditions P17-WT6 and P17-WT7, must only be released to discharge location W1 where the following requirements are complied with: 1. contaminants must only be released to waters after wet weather storage required under condition P17-L13, has reached its capacity due to wet weather conditions, preventing irrigation to land authorised under condition P17-L2; and 2. the contaminants being released comply with the release limits for each quality characteristic specified in <i>Table 2 – Contaminant limits for releases to surface water</i>; and 3. the contaminants being released are monitored at their minimum monitoring frequency for each quality characteristic specified in <i>Table 2 – Contaminant limits for releases to surface water</i>; and

4. the associated requirements below *Table 2 – Contaminant limits for releases to surface water* are complied with and **records** that demonstrate that compliance are made.

Table 2 – Contaminant limits for releases to surface water

Monitoring location	Discharge location	Quality Characteristic (units)	Release limit			Minimum monitoring frequency
			Minimum	Long-term mean	Maximum	
Overflow outlet of the wet weather storage tank	Discharge location W1 -18.280466 Latitude, 146.041684 Longitude, Described as Muddy Creek – Upstream side of road culvert under the Bruce Highway adjoining Lot 2 on Plan CWL1212	Daily volume (kL/day)	-	-	412	Daily during release
		BOD ₅ (mg/L)	-	-	10	Weekly during release
		E.Coli (organisms/100mL)	-	10	100	
		Total Nitrogen TN (mg/L)	-	5	10	
		Ammonia (mg/L as N)	-	-	6	
		Total Chlorine (mg/L)	-	-	1	
		Dissolved Oxygen (mg/L)	2	-	-	
		Total Phosphorus TP (mg/L)	-	1	2	
		Total Suspended Solids (mg/L)	-	-	5	
		pH (pH units)	6.5	-	8.5	
		Annual volume (ML/year)	-	-	-	Annually

Associated requirements

1. Water samples must be representative of the general condition of the release; and
2. Mean must be **calculated** as a long-term rolling limit, meaning a limit applied to consecutive samples taken over a 52-week period for a financial year, where consecutive samples are taken at the minimum frequency specified in Table 2 - Contaminant limits for releases to **waters**; and
3. Samples for **monitoring** for TN and TP must be taken as grab samples; and
4. Water quality **monitoring** must be in accordance with the methods prescribed in the current edition of the **administering authority's Monitoring** and Sampling Manual; and
5. Volume **monitoring** must be undertaken using a flow meter.

P17-WT3	Contaminants must only be released to waters though discharge location W1, prescribed in condition P17-WT2, when: a) a minimum flow allowing for a dilution factor of 1:10 (discharge : streamflow) is measured in Muddy Creek, adjacent to Lot 1 on C1043; and b) creek flow overflows the weir located between Muddy Creek and the Grand Canal (Port Hinchinbrook Marina).
P17-WT4	To determine when a release can occur in accordance with condition P17-WT3, a flow monitoring device to measure creek water flows must be installed adjacent to Lot 1 on C1043, and flows must be measured immediately prior to and during any release.
P17-WT5	The discharge location W1, prescribed in condition P17-WT2, must be submerged such that the top of the outfall pipe is at least 0.5 metres under water at all times during discharge.
P17-WT6	Bypass releases must be screened prior to being released.

P17-WT7	The administering authority must be notified within 24 hours of any bypass release commencing, and notified within 24 hours of it ceasing.									
P17-WT8	The following details must be recorded in relation to each bypass release and included in the notification required by condition P17-WT7: a) the start time, date and duration of the release; and b) the estimated volume of the bypass release; and c) the level of treatment at the sewage treatment plant prior to discharge; and d) the reason the release needed to occur; and e) any monitoring of the effluent quality released.									
P17-WT9	Other than during bypass releases, releases to surface 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.									
P17-WT10	Within 3 months from take effect date of this environmental authority, a Groundwater Monitoring Program (GMP) must be: (a) designed by an appropriately qualified person(s) with experience and qualifications in groundwater monitoring, to monitor the effects of the activity on groundwaters; and (b) reviewed annually by an appropriately qualified person(s) and certified as being appropriate to meet the requirements in subparagraph (a).									
P17-WT11	The GMP required by condition P17-WT10 must include: (a) clearly stated aims and objectives; and (b) a monitoring program that is developed using the latest version of the administering authority’s guideline <i>Using monitoring data to assess groundwater quality and potential environmental impacts</i>, must specify: (i) groundwater flow characteristics for the groundwater that could be impacted by the activity (potentially impacted groundwater), including hydraulic gradient and groundwater flow rates; and (ii) surface waters that could interact with potentially impacted groundwater; and (iii) the environmental values of the with potentially impacted groundwater and surface waters; and (iv) cumulative impacts on the potentially impacted groundwater; and (v) the spatial extent of the monitoring program, including the location of monitoring bores required under condition P17-WT12, and any other monitoring bores used in the program; and (vi) the temporal context of the monitoring program, including timing and frequency of sampling.									
P17-WT12	Monitoring under the GMP required by condition P17-WT11 must include monitoring of the receiving environment at the monitoring locations, at the minimum monitoring frequencies, for the quality characteristics specified in <i>Table 3 – GMP monitoring requirements</i>. <table><tr><th colspan="3">Table 3 – GMP monitoring requirements</th></tr><tr><th>Monitoring locations</th><th>Quality characteristic (units)</th><th>Minimum monitoring frequency</th></tr><tr><td></td><td></td><td></td></tr></table>	Table 3 – GMP monitoring requirements			Monitoring locations	Quality characteristic (units)	Minimum monitoring frequency			
Table 3 – GMP monitoring requirements										
Monitoring locations	Quality characteristic (units)	Minimum monitoring frequency								

	Groundwater monitoring bore located at Latitude - 18.20807, Longitude 146.04 along the access road of Lot 2 on Plan CWL1212	pH (pH units)	Six monthly such that both wet and dry seasons are represented
		Electrical Conductivity (µS/cm)	
		Total Nitrogen TN (mg/L)	
		Total Phosphorus TP (mg/L)	
		Standing groundwater level (m)	
		<i>E.Coli</i> (cfu/100mL)	
		Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen (as N) (mg/L)	
Associated requirements 1. Measurements and recording of standing groundwater levels must be in metres, accurate to 0.1 metre. The elevation of the reference point, relative to Australian Height Datum, for use in any groundwater level measurement must be determined to an accuracy of 0.05 metre. 2. Measurement of groundwater levels must be undertaken prior to any disturbance by sampling, and must be reported as the depth in metres from the established reference point to the water surface within the bore. 3. Where possible, sampling at monitoring location should be timed to follow rainfall events. 4. Monitoring must be in accordance with the most recent edition of the administering authority's Monitoring and Sampling Manual. 5. All monitoring devices must be effectively calibrated and maintained in accordance with manufacturers specifications.			
P17-WT13	The GMP required by condition P17-WT10 must include the development of management actions to mitigate any adverse impacts caused, or likely to be caused, by the activity .		
P17-WT14	The GMP required by condition P17-WT10 must be submitted to the administering authority upon request and within a timeframe specified by the administering authority .		
P17-WT15	Any comments made by the administering authority on the GMP must be addressed to the reasonable satisfaction and within a timeframe specified by the administering authority .		
P17-WT16	A report summarising the results of the GMP (GMP Report) must be prepared by an appropriately qualified person(s) and submitted to the administering authority with the Annual Monitoring Report as required under condition P17-G12.		
P17-WT17	The GMP Report required by condition P17-WT16 must include: (a) a summary of the monitoring data obtained under the GMP in the relevant financial year; and (b) an evaluation of all relevant data obtained under the GMP, including graphical representations showing all relevant historical data and a comparison of data trends; and (c) a description of all actions taken to minimise the environmental risk in response to data or other information obtained during the GMP; and (d) the results of those management actions.		
P17-WT18	The GMP Report required by condition P17-WT16 must include analysis and interpretation of monitoring results by an appropriately qualified person that determines: (a) whether any deep drainage of contaminants from the activity into groundwater has occurred; and (b) how the groundwater has been impacted by the activity.		

P17-WT19	The GMP Report required by condition P17-WT16 must include recommended action(s) to mitigate any adverse impacts caused, or likely to be caused, by the activity in respect of potentially impacted groundwater .
P17-WT20	Any action(s) recommended by the GMP Report must be undertaken: (a) as soon as practicable, and no more than 14 days after receiving the GMP monitoring report; or (b) another period agreed to in writing by the administering authority .

Definitions

Key terms and/or phrases used in Part 17 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 activity(s) to which the environmental authority relates. An activity may be undertaken on the whole or a part of a site.

Administering authority means the Chief Executive administering the *Environmental Protection Act 1994*.

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

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 of a calendar day.

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

Effluent means the liquid fraction of treated sewage.

Effluent disposal area means the area outlined in red on figure shown in *Appendix 1 – Location of the irrigation areas*, located within Lot 2 Plan CWL1212, Lot 3 Plan C1043 and Lot 3 Plan RP733367.

Environmental complaints means an expression of dissatisfaction, concern or report, whether written or verbal, about the **activity** and/or its impact on the environment.

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

Land means land excluding **waters** and the atmosphere.

Mean means the arithmetic mean obtained by adding several quantities together and dividing the sum by the number of quantities. For example, the arithmetic mean of 1, 5, 2, 8 is 4.

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

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

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

Person means an individual and a corporation, as per section 32D of the *Acts Interpretation Act 1954*.

Raw data means primary data collected from a source that has not been processed and includes monitoring sheets, monitoring device readings, laboratory analysis results and certificate of analysis.

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 or release means to:

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

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

Sensitive place includes any of the following places:

- (a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- (b) a motel, hotel or hostel; or
- (c) a kindergarten, school, university or other educational institution; or
- (d) a medical centre or hospital; or
- (e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- (f) a public park or garden; or
- (g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019; or
- (h) the area within the curtilage of any of the above places.

Surface water means water other than **groundwater**.

The site means the area of land identified as being approved for the carrying out of the activity (Lot 1 Plan C1043, Lot 2 Plan CWL1212, Lot 3 Plan C1043 and Lot 3 Plan RP733367).

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.

Viable state or viability means able to live and grow.

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.

WaTERS is the Water Tracking and Electronic Reporting System database formally known as the Point Source Database.

Appendix 1 – Location of the irrigation areas



END OF ENVIRONMENTAL AUTHORITY