

Permit

Environmental Protection Act 1994

Environmental authority EPPR00192313

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

Environmental authority number: EPPR00192313

Environmental authority takes effect on the date signed by the delegate.

The anniversary date of this environmental authority continues to be 21 November. The payment of the annual fee is due each year on this day.

Environmental authority holder(s)

Name(s)	Registered address
Burdekin Shire Council	145 Young St Ayr, Qld 4807

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
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	Bruce Hwy, Ayr Qld 4807 Lot 140 on Plan GL1243
ERA 63 Sewage treatment (1)(c) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 1,500 but not more than 4,000EP	Bojack Road, Home Hill Qld 4086 Lot 385 on Plan SB599, Lot 384 on Plan SB738, Lot 405 on Plan SB678

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 land give written notice to the administering authority if they become aware of the following:

- the presence of, or happening of an event involving, a hazardous contaminant on the land that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours); or
- if the land is contaminated land – a change in the condition of the land that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the land (notice must be given within 20 business days).

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

Take effect

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

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

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

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

The anniversary day of this environmental authority is 21 November. The payment of the annual fee will be due each year on this day.

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

25/10/2024

Date

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

Enquiries:
Industry and Development Business Centre
Department of Environment, Science and
Innovation
Phone: 1300 130 372
Email: palm@des.qld.gov.au

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 to 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:

- a) general environmental duty (section 319)
- b) duty to notify environmental harm (section 320-320G)
- c) offence of causing serious or material environmental harm (sections 437-439)
- d) offence of causing environmental nuisance (section 440)
- e) offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- f) 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. Please contact the Department of Environment, Science and Innovation to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Part 1 - Common Conditions

Environmentally relevant activities	Locations
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	Bruce Hwy, Ayr Qld 4807. Lot 140 on Plan GL1243
ERA 63 Sewage treatment (1)(c) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 1,500 but not more than 4,000EP	Bojack Road, Home Hill Qld 4086 Lot 385 on Plan SB599, Lot 384 on Plan SB738, Lot 405 on Plan SB678

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

Agency interest: General	
Condition number	Condition
G1-1	Prevent and/or Minimise Likelihood of Environmental Harm. In carrying out an activity to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.
G1-2	Maintenance Of Measures, Plant and Equipment. The operator of an activity to which this approval relates must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and (b) maintain such measures, plant and equipment in a proper and efficient condition; and (c) operate such measures, plant and equipment in a proper and efficient manner.
G1-3	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided for by this approval.
G1-4	Site Based Management Plan. From commencement of an activity to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all activities that are carried out. The SBMP must address the following matters: (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals; and (b) Identification of environmental issues and potential impacts; and (c) Control measures for routine operations to minimise likelihood of environmental harm;

	and (d) Contingency plans and emergency procedures for non-routine situations; and (e) Organisational structure and responsibility; and (f) Effective communication; and (g) Monitoring of contaminant releases into the environment and an environmental assessment of the releases; and (h) Conducting environmental impact assessments; and (i) Staff training; and (j) Record keeping; and (k) Periodic review of environmental performance and continual improvement.
G1-5	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G1-6	Records. Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G1-7	All records required by this approval must be kept for five (5) years.
G1-8	Annual Report. An annual monitoring report must be prepared each year and presented to the administering authority. This report shall include but not be limited to: (a) a summary of the previous twelve (12) months monitoring results under condition WT1-1, in graphical form showing relevant limits, a comparison of the previous twelve (12) months monitoring results to both this approvals limits and to relevant prior results; and (b) an evaluation/explanation of the data from any monitoring programs; and (c) a summary of any record of quantities of releases required to be kept under this approval; and (d) a summary of the record of any equipment failures or events recorded for any site under this approval; and (e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs.
G1-9	Notification. Telephone the administering authority's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
G1-10	Information About Spills. A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition G1-9: (a) The name of the operator, including their approval / registration number; and (b) The name and telephone number of a designated contact person; and (c) Quantity and substance released; and (d) Vehicle and registration details; and (e) Person/s involved (driver and any others); and (f) The location and time of the release; and

	(g) The suspected cause of the release; and (h) A description of the effects of the release; and (i) The results of any sampling performed in relation to the release; and (j) Actions taken to mitigate any environmental harm caused by the release; and (k) Proposed actions to prevent a recurrence of the release.
G1-11	Monitoring. A competent person(s) must conduct any monitoring required by this approval.
G1-12	Equipment Calibration. All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.
G1-13	Trained / Experienced Operator(s). The daily operation of the waste water treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment.
Agency interest: Air	
Condition number	Condition
A1-1	Dust Nuisance. The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any nuisance sensitive or commercial place.
A1-2	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 24hr averaging time.
A1-3	Nuisance. The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.
A1-4	When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere at the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.
Agency Interest: Land	
Condition number	Condition
L1-1	Preventing Contaminant Release To Land.

	Contaminants must not be released to land.
L1-2	Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm. NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
Agency Interest: Noise	
Condition number	Condition
N1-1	Noise Nuisance. Noise from the activity must not cause an environmental nuisance at any nuisance sensitive place or commercial place .
N1-2	Noise Monitoring. When requested by the administering authority , noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority . Monitoring must include. (a) L_A 10, adj, 10 mins ; and (b) L_A 1, adj, 10 mins ; and (c) the level and frequency of occurrence of impulsive or tonal noise; and (d) atmospheric conditions including wind speed and direction; and (e) effects due to extraneous factors such as traffic noise; and (f) location, date and time of recording.
N1-3	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.
Agency Interest: Waste	
Condition number	Condition
W1-1	Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.
W1-2	Screenings, grit, sewage and wastewater treatment plant sludges generated by the sewage treatment process must not be stored on site for any period of time longer than that necessary to dewater the screenings, grit and sludge and prepare it for transport to and disposal at an appropriately authorised facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse, recycle or reprocess such waste (in accordance with a relevant resource approval).
W1-3	Screenings, grit, sewage and wastewater treatment plant sludges generated must be stored, managed and utilised such as not to cause environmental harm.
W1-4	Waste Records. A record of all regulated waste (excluding trackable) must be kept detailing the following information: (a) date of pickup of waste; (b) description of waste;

	(c) quantity of waste; (d) origin of the waste; and (e) destination of the waste. Note: Trackable wastes have similar recording requirements to this condition. Therefore, records of documents maintained in compliance with a waste tracking system established under the above Regulation or any other law for recording details for the transport of regulated waste satisfy this condition.																																																					
W1-5	Sewage sludge generated on site must be monitored at least annually to obtain the following information: (a) The estimated quantity and nature of each sludge produced (annual); and (b) The current method(s) of pre-treatment or disposal.																																																					
Agency Interest: Water																																																						
Condition number	Condition																																																					
WT1-1	The only contaminant permitted to be released to surface waters is treated sewage effluent in compliance with the release limits listed in <i>Table 1-1 - Contaminant release limits to water and monitoring requirements</i>. Table 1-1 – Contaminant release limits to water and monitoring requirements <table><tr><th rowspan="2">Quality Characteristic (units)</th><th colspan="4">Release limit</th><th rowspan="2">Monitoring Point</th><th rowspan="2">Minimum monitoring frequency</th></tr><tr><th>Minimum</th><th>Mean</th><th>Median</th><th>Maximum</th></tr><tr><td>BOD5 (mg/L)</td><td>-</td><td>20</td><td>-</td><td>45</td><td>W1 – inlet to chlorine contact tank</td><td>Fortnightly</td></tr><tr><td>Free Residual Chlorine (mg/L)</td><td>-</td><td>-</td><td>-</td><td>0.7</td><td>W2 – outlet from chlorine contact tank</td><td>Fortnightly</td></tr><tr><td>Total Suspended Solids (mg/L)</td><td>-</td><td>30</td><td>-</td><td>60</td><td>W1 – inlet to chlorine contact tank</td><td>Fortnightly</td></tr><tr><td>pH (pH units)</td><td>6.5</td><td>-</td><td>-</td><td>8.5</td><td>W1 – inlet to chlorine contact tank</td><td>Daily</td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>2</td><td>-</td><td>-</td><td>-</td><td>W1 – inlet to chlorine contact tank</td><td>Daily</td></tr><tr><td>Faecal Coliforms (cfu/100mL)</td><td>-</td><td>-</td><td>1000</td><td>4000[#]</td><td>W2 – outlet from chlorine contact tank</td><td>Monthly</td></tr></table> Notes	Quality Characteristic (units)	Release limit				Monitoring Point	Minimum monitoring frequency	Minimum	Mean	Median	Maximum	BOD5 (mg/L)	-	20	-	45	W1 – inlet to chlorine contact tank	Fortnightly	Free Residual Chlorine (mg/L)	-	-	-	0.7	W2 – outlet from chlorine contact tank	Fortnightly	Total Suspended Solids (mg/L)	-	30	-	60	W1 – inlet to chlorine contact tank	Fortnightly	pH (pH units)	6.5	-	-	8.5	W1 – inlet to chlorine contact tank	Daily	Dissolved Oxygen (mg/L)	2	-	-	-	W1 – inlet to chlorine contact tank	Daily	Faecal Coliforms (cfu/100mL)	-	-	1000	4000 [#]	W2 – outlet from chlorine contact tank	Monthly
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	Median — based on a minimum of five samples collected at not less than fortnightly intervals Mean - based on a minimum of five samples collected at not less than monthly intervals. # - based on a minimum of five samples collected at not less than monthly intervals with four out of five samples containing less than the maximum specified.
WT1-2	Monitoring must be undertaken on samples collected from the inlet to the chlorine contact tank at the location specified in <i>Table 1-1 - Contaminant release limits to water and monitoring requirements</i> and records kept of contaminant releases to waters for the quality characteristics and not less frequently than specified in <i>Table 1-1 - Contaminant release limits to water and monitoring requirements</i> .
WT1-3	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
WT1-4	Contaminant And Sewage Pump Stations. Contaminant pumping stations must be fitted with stand-by pumps and pump-failure alarms as well as high level alarms to warn of imminent pump station overflow. All alarms must be able to operate without mains power.
WT1-5	An automatic telemetry system must be provided which is capable of continuing to operate in the event of a pump station power failure and which will advise the responsible person by telephone or other acceptable means that such a power failure has occurred.
WT1-6	Prior to the installation of any new pump station the holder of this environmental authority must demonstrate that overflows will not occur at a frequency greater than once every 5 years due to power failure and once every 10 years due to infiltration.
WT1-7	All overflows and overflow control structures for new pump stations must be located away from environmentally sensitive locations including waterways and natural wetlands.
WT1-8	Where practicable the holder of this environmental authority must install basins to isolate and contain pump station overflows.

Part 2 - Ayr STP

Environmentally relevant activities	Locations
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	Bruce Hwy, Ayr Qld 4807. Lot 140 on Plan GL1243

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the following site-specific conditions, as well as the conditions in Part 1 of the approval.

Agency Interest: Land								
Condition number	Condition							
L2-1	Provision to Third Party. Treated effluent may be removed from the site and provided to Regen Aqua for macro algae treatment (the treatment activity), if the following requirements have been met: (a) A written agreement is entered into between the authority holder and Regen Aqua; and (b) The written agreement must require Regen Aqua, prior to commencement of the treatment activity, to develop and implement written procedures that ensure: (i) all potential risks to the environment from the carrying out of the treatment activity are identified and assessed, including: I. during routine operations; and II. outside routine operations (e.g., maintenance, start up and shut down); and III. in an emergency (e.g., fire, flood or other natural disaster); and (ii) for each potential risk identified, any necessary measures to prevent or minimise the potential for environmental harm are implemented; and (iii) environmental risk management procedures are continually reviewed and improved, based on a reasonable risk-management approach.							
L2-2	When directed by the administering authority, the provision of effluent to a person must cease immediately.							
Agency Interest: Water								
Condition number	Condition							
WT2-1	The total quantity of contaminants released to waters via the release points listed in <i>Table 2 -1 Maximum permitted quantity of release</i>, must not exceed the respective quantities stated in <i>Table 2 - Maximum permitted quantity of release</i> for each release point on any dry weather day or on any one day. Table 2-1 - 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>W3 – outlet into cane drain</td><td>3.5 ML/day</td><td>10.5 ML/day</td></tr></table>		Release Point	Maximum release on any dry weather day	Maximum release on any one day	W3 – outlet into cane drain	3.5 ML/day	10.5 ML/day
Release Point	Maximum release on any dry weather day	Maximum release on any one day						
W3 – outlet into cane drain	3.5 ML/day	10.5 ML/day						

WT2-2	The daily volume of contaminants released to waters must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.		
WT2-3	Contaminants must only be released to surface waters in compliance with the release limits listed in <i>Table 1-1 - Contaminant release limits to waters and monitoring requirements</i> and at the following discharge location.		
	Release Point	Latitude	Longitude
	W3 – outlet into cane drain	19.554383	147.384878
WT2-4	The release of contaminants to waters at W3 must not: (a) produce any slick, discoloration of ambient waters or visible evidence of oil or grease; nor contain visible floating oil, grease, scum, litter or other objectionable matter; nor (b) have any other properties nor contain any other contaminants in concentrations that may cause environmental harm.		
WT2-5	Pump Stations permitted to release contaminants, namely screened raw sewage, to any waters as a result of a pump station failure are those listed below at the corresponding overflow locations.		
	Ayr Sewerage Reticulation Scheme		
	Pump Station Number/Description	Overflow Location	
	PS 1 Conley and Cox Sts, Ayr	Local Stormwater Drain	
	PS 2 cnr Porter and Mackersie Sts, Ayr	Local Stormwater Drain	
	PS 4 Grey and Irving Sts, Ayr	Local Stormwater Drain	
	PS 5 cnr Parker and Adelaide Sts. Ayr	Local Stormwater Drain	
	PS 6 Wickham and Church Sts. Ayr	Local Stormwater Drain	
	PS 8 Cnr Mackenzie and Lynch Sts, Ayr	Local Stormwater Drain	
	PS 11 Norham Rd and Alice St, Ayr	Plantation Creek	
	PS 12 Edwards St, Ayr	Plantation Creek	
	PS 13 Albert Cres, Ayr	Plantation Creek	
	PS 14 cnr Liechardt and Kennedy Sts, Ayr	Local Stormwater Drain	
	PS 15 Old Clare Rd and Mirrigan St, Ayr	Local Stormwater Drain	
	PS 17 cnr Klondyke and Burke Sts, Ayr	Local Stormwater Drain	
	PS 19 Clayton and Mackersie Sts, Ayr	Local Stormwater Drain	
	PS 20 Bowen and Ayr Rds, Ayr	Local Stormwater Drain	
	PS 21 Chippendale and Craig Sts, Ayr	Local Stormwater Drain	
	PS 22 cnr Ross and Clayton Sts, Ayr	Local Stormwater Drain	
	PS 25 Edwards St, Ayr	Local Stormwater Drain	
	PS 26 Craig St, Ayr	Local Stormwater Drain	

	PS 28 McCathie St, Ayr	Local Stormwater Drain
	PS 29 Harley Dr, Ayr	Local Stormwater Drain
	PS 1 Munro and Sexton Sts, Brandon	Local Stormwater Drain
	PS 2 Neville and Tool Sts, Brandon	Local Stormwater Drain
WT2-6	A Receiving Environment Monitoring Program (REMP) must be developed and implemented to monitor and record the effects of the release of contaminants on the receiving environment. A copy of the REMP must be provided to the administering authority prior to its implementation and due consideration given to any comments made on the REMP by the administering authority .	
WT2-7	The REMP must address (but not necessarily be limited to) the following: (a) Description of potentially affected receiving waters including background water quality characteristics; and (b) Water quality monitoring upstream beyond the likely influence of the discharge and downstream within Browns Lagoon during both wet season and dry season conditions; and (c) Monitoring of physio-chemical parameters including Biochemical Oxygen Demand, suspended solids, dissolved oxygen and pH; and (d) Specify sampling and analysis methods and quality assurance and control.	
WT2-8	On a five (5) yearly basis, provide a summary report to the administering authority, covering: (a) The preceding five (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.	

Part 3 – Home Hill STP

Environmentally relevant activities	Locations
ERA 63 Sewage treatment (1)(c) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 1,500 but not more than 4,000EP	Bojack Road, Home Hill Qld 4086 Lot 385 on Plan SB599, Lot 384 on Plan SB738, Lot 405 on Plan SB678

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the following site-specific conditions, as well as the conditions in Part 1 of the approval.

Agency Interest: Water								
Condition number	Condition							
WT3-1	The total quantity of contaminants released to waters via the release points listed in <i>Table 3-1 Maximum permitted quantity of release</i>, must not exceed the respective quantities stated in <i>Table 3-1 - Maximum permitted quantity of release</i> for each release point in on any dry weather day or on any one day. Table 3-1 - 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>W3 – outlet into cane drain</td><td>1.2 ML/day</td><td>3.6 ML/day</td></tr> </table>		Release Point	Maximum release on any dry weather day	Maximum release on any one day	W3 – outlet into cane drain	1.2 ML/day	3.6 ML/day
Release Point	Maximum release on any dry weather day	Maximum release on any one day						
W3 – outlet into cane drain	1.2 ML/day	3.6 ML/day						
WT3-2	The daily volume of contaminants released to waters must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.							
WT3-3	Contaminants must only be released to surface waters in compliance with the release limits listed in <i>Table 1 - Contaminant release limits to waters and monitoring requirements</i> and at the following discharge location. <table> <tr> <th>Release Point</th><th>Latitude</th><th>Longitude</th></tr> <tr> <td>W3 – outlet into cane drain</td><td>19.690920</td><td>147.455149</td></tr> </table>		Release Point	Latitude	Longitude	W3 – outlet into cane drain	19.690920	147.455149
Release Point	Latitude	Longitude						
W3 – outlet into cane drain	19.690920	147.455149						
WT3-4	The release of contaminants to waters at W3 must not: (a) produce any slick, discoloration of ambient waters or visible evidence of oil or grease; nor contain visible floating oil, grease, scum, litter or other objectionable matter; nor (b) have any other properties nor contain any other contaminants in concentrations that may cause environmental harm.							

WT3-5	Pump Stations permitted to release contaminants, namely screened raw sewage, to any waters as a result of a pump station failure are those listed below at the corresponding overflow locations. Home Hill Sewerage Reticulation Scheme <table border="1"> <thead> <tr> <th>Pump Station Number/Description</th><th>Overflow Location</th></tr> </thead> <tbody> <tr> <td>PS 1H cnr 4th St and 12th Ave, Home Hill</td><td>Ford's Gully to Burdekin River</td></tr> <tr> <td>PS 3H cnr 15th St and 14th Ave, Home Hill</td><td>Kidby's Gully to Burdekin River</td></tr> <tr> <td>PS 5H cnr 14th Ave 15th St, Home Hill</td><td>Kidby's Gully to Burdekin River</td></tr> <tr> <td>PS 7H cnr 6th Ave and Kirknie Rd, Home Hill</td><td>Drainage line to Kidby's Gully to Burdekin River</td></tr> <tr> <td>PS 8H Kidby Cres, Home Hill</td><td>Kidby's Gully to Burdekin River</td></tr> <tr> <td>PS 9H Waft Lane. Home Hill</td><td>Drainage line to Kidby's Gully to Burdekin River</td></tr> <tr> <td>PS 11H 4th St, Home Hill</td><td>Ford's Gully to Burdekin River</td></tr> </tbody> </table>	Pump Station Number/Description	Overflow Location	PS 1H cnr 4th St and 12th Ave, Home Hill	Ford's Gully to Burdekin River	PS 3H cnr 15th St and 14th Ave, Home Hill	Kidby's Gully to Burdekin River	PS 5H cnr 14th Ave 15th St, Home Hill	Kidby's Gully to Burdekin River	PS 7H cnr 6th Ave and Kirknie Rd, Home Hill	Drainage line to Kidby's Gully to Burdekin River	PS 8H Kidby Cres, Home Hill	Kidby's Gully to Burdekin River	PS 9H Waft Lane. Home Hill	Drainage line to Kidby's Gully to Burdekin River	PS 11H 4th St, Home Hill	Ford's Gully to Burdekin River
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WT3-6	A Receiving Environment Monitoring Program (REMP) must be developed and implemented to monitor and record the effects of the release of contaminants on the receiving environment. A copy of the REMP must be provided to the administering authority prior to its implementation and due consideration given to any comments made on the REMP by the administering authority.																
WT3-7	The REMP must address (but not necessarily be limited to) the following: (a) Description of potentially affected receiving waters including background water quality characteristics; and (b) Water quality monitoring upstream beyond the likely influence of the discharge and downstream during both wet season and dry season conditions; and (c) Monitoring of physio-chemical parameters including Biochemical Oxygen Demand, suspended solids, dissolved oxygen and pH; and (d) Specify sampling and analysis methods and quality assurance and control																
WT3-8	On a five (5) yearly basis, provide a summary report to the administering authority, covering: (a) The preceding five (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.																

Definitions

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

Activity means the environmentally relevant activities to which the environmental authority relates.

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

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.

L_A 10, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

L_A 1, adj, 10 mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

Land in the "land schedule" of this document means land excluding **waters** and the atmosphere.

Mg/L means milligrams per litre.

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

Nuisance sensitive place includes —

- a **dwelling**, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a **protected area** under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- 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.

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

Protected area means —

- a protected area under the *Nature Conservation Act 1992*;
- or a marine park under the *Marine Parks Act 1992*; or
- a World Heritage Area.

Regulated waste means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection*

Regulation 1998 (whether or not it has been treated or immobilised), and includes -

- for an element - any chemical compound containing the element; and
- anything that has contained the waste.

Site means land or **tidal waters** on or in which it is proposed to carry out the development approved under this environmental authority.

Tidal water means the sea and any part of a harbour or **watercourse** ordinarily within the ebb and flow of the tide at spring tides.

Watercourse means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

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.

Operation means the development approved under this environmental authority.

You means the holder of this environmental authority or owner occupier of the land which is the subject

END OF ENVIRONMENTAL AUTHORITY