

Permit

Environmental Protection Act 1994

Environmental authority P-EA-100249858

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

Environmental authority number: P-EA-100249858

Environmental authority takes effect on the date that it is signed by the delegate.

The first annual fee is payable within 20 business days of the take effect date.

The anniversary date of this environmental authority is the same day each year as the take effect date. The payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Damon Bryce Pty Ltd	19 Wombat Crescent ROCHEDALE QLD 4123

Environmentally relevant activity and location details

Environmentally relevant activity	Location
ERA 63 - Sewage Treatment - 1(b-i) - 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 if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	Part of Lot 18/RP848821

Additional information for applicants

Environmentally relevant activities

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

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

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

Contaminated land

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

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

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

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

Take effect

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

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

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

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

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



Signature

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

20 July 2022

Date

Enquiries:
Industry and Development Business Centre GPO
Box 2454, Brisbane QLD 4001
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. 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).

Conditions of environmental authority

Environmentally relevant activity	Location
ERA 63 - Sewage Treatment - 1(b-i) - 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 if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	Part of Lot 18/RP848821

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	Activities must be conducted in accordance with the following: a) Inflows into the sewage treatment plant must not exceed the peak design capacity of 70kL on any day; and b) The activity may only be carried out at the site.
G2	All reasonable and practicable measures must be taken to prevent or minimise any environmental harm caused, or likely to be caused by the activities .
G3	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.
G4	Within 14 days of providing the notification under condition 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: a) the potential circumstances and actions that may have contributed to the contravention; and b) the environmental impact of the contravention; and c) reasonable measures that could be implemented to address the cause of the contravention to prevent future contraventions of this nature.
G5	Measures identified under condition G4(c) must be implemented within: a) 28 days of the investigation required by condition G4 being completed; or b) a longer period agreed to in writing by the administering authority.
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 G4; and d) the results of investigations; and e) measures taken under condition G5.

G7	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G8	All records required by the conditions of this environmental authority must be kept for a minimum of five years, and all monitoring results and raw data must be kept until surrender of this environmental authority .
G9	All records required by the conditions of this environmental authority must be provided to the administering authority : a) within the timeframe specified by the administering authority ; and b) in the format requested by the administering authority .
G10	An appropriately qualified person(s) must monitor , record and interpret all parameters that are required to be monitored by this environmental authority.
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 <i>in situ</i> monitoring of E.Coli, and pH.
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.
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 G14; and e) the results of investigations; and f) measures taken under condition G15.
G14	An investigation must be undertaken within 28 days (or a longer period agreed to in writing by the administering authority) into all environmental 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.
G15	Measures identified under condition G14 must be implemented within: a) 28 days of the investigation required by condition G14 being finalised; or b) a longer period agreed to in writing by the administering authority .
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 .
G17	The results, including an analysis of the results, of monitoring required by condition G16 must be provided to the administering authority : a) within 10 days after you receive the monitoring results; or b) A longer period agreed to in writing by the administering authority .
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.
G19	Written procedures required by condition 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.
G20	Plant and equipment, all measures necessary to comply with the conditions of this environmental authority must be: a) installed, operated, calibrated and maintained in a proper and effective manner; and b) in accordance with the written procedures developed under condition G18 for the plant and equipment.
G21	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
G22	Written procedures must be developed and implemented which identify measures to ensure that fluctuations in inflow rates to the sewage treatment plant do not adversely impact the ability to the plant to treat sewage to achieve the contaminant limits required by condition L1.
Agency interest: Air	
Condition number	Condition
A1	Odours or airborne contaminants from the activity must not cause environmental nuisance to any sensitive place or commercial place.
A2	Effluent spray or overspray must not move beyond the effluent disposal area.
Agency interest: Water	
Condition number	Condition
WT1	Contaminants must not be released to any waters .
Agency interest: Noise	
Condition number	Condition
N1	Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .
Agency Interest: When treated effluent is supplied to a person offsite	
Condition number	Condition
TP1	Effluent may be removed from the site and provided to a person with the written consent of that person .
TP2	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.																																
TP3	Immediately upon the request of the administering authority, you must cease providing effluent to a person .																																
Agency Interest: Land																																	
Condition number	Condition																																
L1	The only contaminants to be released to land are treated sewage effluent in accordance with <i>Table 1 - Treated effluent release limits</i> and must comply with the associated requirements. Table 1 – Treated effluent release limits <table><tr><th rowspan="2">Monitoring location</th><th rowspan="2">Quality characteristic (units)</th><th colspan="2">Release limits</th><th rowspan="2">Minimum monitoring frequency</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td rowspan="6">Release point of the effluent storage tank Latitude: 22.79645 S Longitude:149.37251 E</td><td>Irrigation Rate (mm/day)</td><td>-</td><td>2</td><td>Daily</td></tr><tr><td>Total Nitrogen TN (mg/L as N)</td><td>-</td><td>40</td><td>Monthly</td></tr><tr><td>Total Phosphorus TP (mg/L as P)</td><td>-</td><td>20</td><td>Monthly</td></tr><tr><td>pH (pH units)</td><td>6.0</td><td>8.5</td><td>Weekly</td></tr><tr><td>Escherichia coli (E.coli) cfu/100mL)</td><td>-</td><td>10</td><td>Weekly</td></tr><tr><td>Electrical Conductivity (EC) (µS/cm)</td><td>-</td><td>1600</td><td>Monthly</td></tr></table>	Monitoring location	Quality characteristic (units)	Release limits		Minimum monitoring frequency	Minimum	Maximum	Release point of the effluent storage tank Latitude: 22.79645 S Longitude:149.37251 E	Irrigation Rate (mm/day)	-	2	Daily	Total Nitrogen TN (mg/L as N)	-	40	Monthly	Total Phosphorus TP (mg/L as P)	-	20	Monthly	pH (pH units)	6.0	8.5	Weekly	Escherichia coli (E.coli) cfu/100mL)	-	10	Weekly	Electrical Conductivity (EC) (µS/cm)	-	1600	Monthly
	Monitoring location			Quality characteristic (units)	Release limits		Minimum monitoring frequency																										
		Minimum	Maximum																														
	Release point of the effluent storage tank Latitude: 22.79645 S Longitude:149.37251 E	Irrigation Rate (mm/day)	-	2	Daily																												
		Total Nitrogen TN (mg/L as N)	-	40	Monthly																												
		Total Phosphorus TP (mg/L as P)	-	20	Monthly																												
		pH (pH units)	6.0	8.5	Weekly																												
		Escherichia coli (E.coli) cfu/100mL)	-	10	Weekly																												
		Electrical Conductivity (EC) (µS/cm)	-	1600	Monthly																												
	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); and - Monitoring must be in accordance with the administering authority's latest Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained; and - Samples must be representative of the release; and - Indicators for Total Nitrogen and Total Phosphorus are recommended to be done as grab samples; and - Weekly monitoring for pH and E.Coli is permitted to be <i>in situ</i>, however, monitoring of <i>E.Coli</i> must be carried out by a laboratory that has National Association of Testing Authorities (NATA) accreditation or an equivalent certification, for such analyses at least monthly.																																
L2	Releases to land authorised under condition L1 must comply with the following: - the effluent disposal area as shown in <i>Appendix 1 – Site Plan</i> of this Environmental Authority, must have a minimum surface area of 3.5 ha; and - releases to land must only occur in the effluent disposal areas as shown in <i>Appendix 1 – Site Plan</i> of this environmental authority.																																
L3	All organic material removed from vegetation growing in the effluent disposal area must be transported and disposed of in an area other than in the effluent disposal area .																																

L4	When soil in the effluent disposal area is saturated , effluent must not be released to land .
L5	Sealed wet weather storage with a minimum volume of 270 kL must be installed and maintained on the site for the storage of effluent .
L6	Ponding of contaminants within the effluent disposal area must not occur.
L7	Contaminants must not run off to areas beyond the effluent disposal area .
L8	Soil structure must not be degraded as a result of the activity .
L9	Soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil must be minimised.
L10	The effluent disposal area must be maintained with an appropriate crop in a viable state .
Agency interest: Waste	
Condition number	Condition
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.

Definitions

Where a word or phrase in this document is bolded, it has its corresponding meaning that is defined below. Where a word or phrase in this document is not bolded, it has the meaning given to it in (in order of priority):

1. *Environmental Protection Act 1994*, its regulations or its environmental protection policies;
2. *Environmental Offsets Act 2014*;
3. *Regional Planning Interests Act 2014*;
4. *Waste Reduction and Recycling Act 2011*;
5. *Acts Interpretation Act 1954*;
6. the Macquarie Dictionary (taking account of the context in which the word or phrase is used in this document).

Defined words or phrases in the singular include the plural and vice versa.

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

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.

Effluent means the liquid fraction of treated sewage.

Effluent disposal area means the effluent disposal area identified in *Appendix 1 – Site Plan*, and by the GPS coordinates specified in *Appendix 1 – Site Plan*.

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

Field capacity means the amount of water retained in soil when the soil has been allowed to drain for 24hrs under normal gravity conditions.

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer. Land means land excluding waters and the atmosphere. Measures has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

Land means land excluding waters and the atmosphere.

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—

1. the quantity, quality, characteristics, timing and variability of the release of any contaminant; and
2. the effectiveness of any control measure; and
3. the characteristics of, and impact on, the receiving environment; and
4. the effectiveness of remedial or rehabilitation measures (if applicable to the relevant monitoring requirement).

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:

1. deposit, discharge, emit or disturb the contaminant; or
2. cause or allow the contaminant to be deposited, discharged, emitted or disturbed; or
3. fail to prevent the contaminant from being deposited, discharged emitted or disturbed; or
4. allow the contaminant to escape; or
5. fail to prevent the contaminant from escaping.

Saturated means the soil moisture level is greater than the soil **field capacity**.

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:

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

Site means the area bounded by the following coordinates (longitude/latitude):

1. 22.79963 S; 149.37307 E; and
2. 22.79846 S; 149.37452 E; and
3. 22.79635 S; 149.37244 E; and
4. 22.79803 S; 149.37091 E.

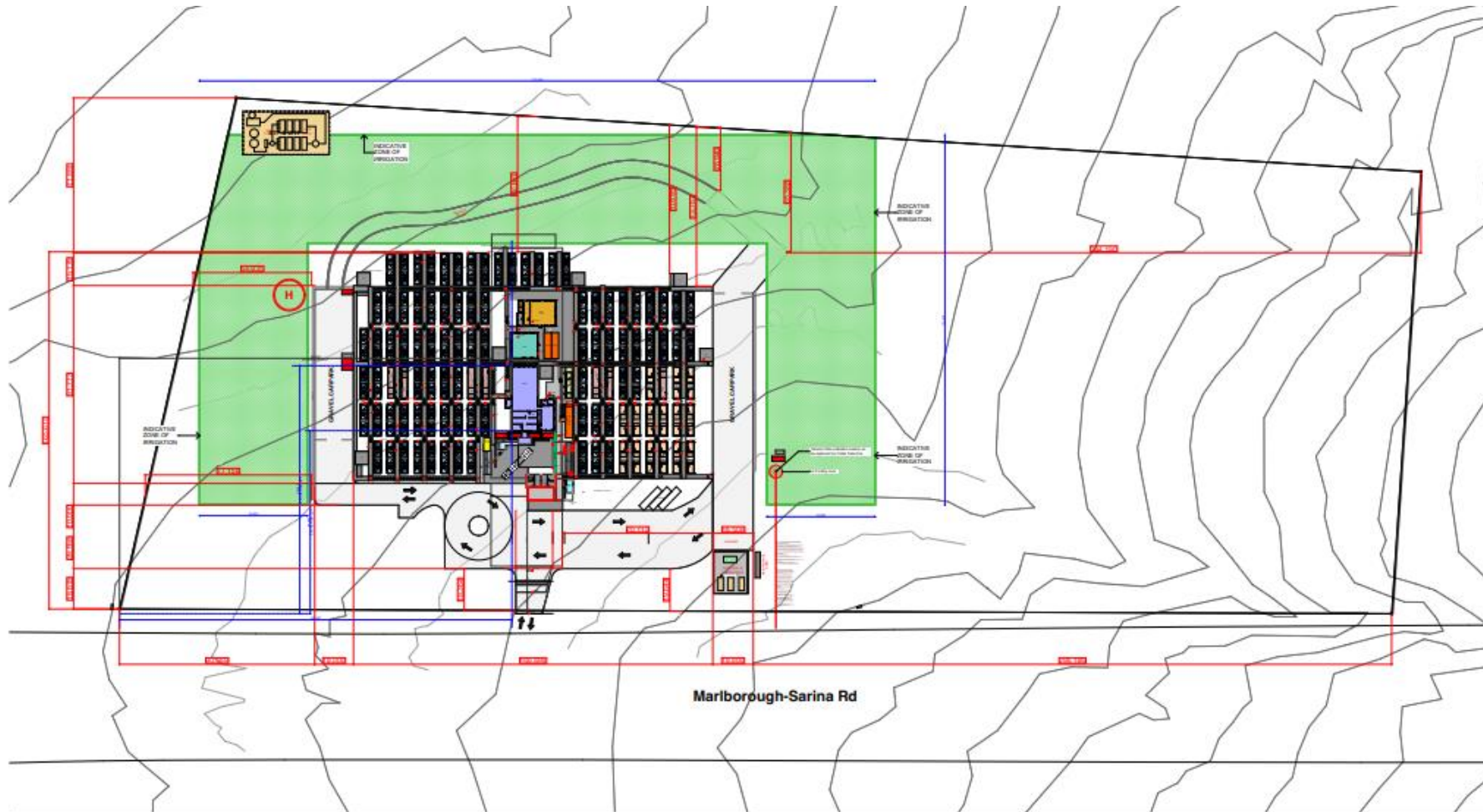
Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

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.

Appendix 1 Site Plan



Note: The authorised effluent disposal area is identified in green.

END OF ENVIRONMENTAL AUTHORITY