

Permit

Environmental Protection Act 1994

Environmental authority EPPR00713013

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

Environmental authority number: EPPR00713013

Environmental authority takes effect on 28 November 2017

Environmental authority holder(s)

Name(s)	Registered address
Torres Strait Island Regional Council	68 Douglas Street THURSDAY ISLAND QLD 4875

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 13/TS177
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 2/SP242990
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 4/TS159
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 10/TS179
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 10/TS179
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 3/TS157
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity	Lot 5/SP248095

Environmental authority

Environmentally relevant activity/activities	Location(s)
of, (b-ii) more than 100 but not more than 1500EP otherwise	
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 6/TS158
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 6/TS166
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 6/TS166
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 4/TS171
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 4/TS156
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (c) more than 1500 but not more than 4000EP	Lot 7/TS158
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 7/TS174
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 5/SP248095
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 13/TS177
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 9/TS169
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-	Lot 4/TS171

Environmental authority

Environmentally relevant activity/activities	Location(s)
release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 48/SP249793
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 4/TS156
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 155/TS172
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 4/TS159
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 48/SP249793
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 6/TS158
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 4/TS156
Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 5/SP248095
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 3/TS157
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-ii) more than 100 but not more than 1500EP otherwise	Lot 2/TS168

Environmental authority

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 4/TS156
Prescribed ERA, ERA 60 - Waste disposal, 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1) (b), (a) 50t to 2000t	Lot 7/TS158
Prescribed ERA, ERA 57 - Regulated Waste Transport, 2: Transporting regulated waste, other than tyres, in, (b) 6 to 35 vehicles	State of Queensland

Additional information for applicantsEnvironmentally 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.

Environmental authority

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.

Christine Mooney
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Heritage, Utilities and Government Assessment
Department of Environment and Heritage Protection
Phone: 1300 130 372
Email: palm@ehp.qld.gov.au

Date issued: 28 November 2017

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)

Conditions of environmental authority

PART 1

Hammond Community Waste Management Facility, KERIRI ISLAND

Location: Lat 10 33' South
Long 142 12' East
Lot 155/TS172

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0222, identified as Licence No. 501000222 (Amended).

Location: Mobile and temporary

Relevant activity:

57-(2b) Regulated waste transport 6 to 35 vehicles

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

- Code of environmental compliance for certain aspects of regulated waste transported (ERA 57) - Version 4.

PART 2

Boigu Island Waste Management Facility, BOIGU ISLAND

Location: Lat 9 17' South
Long 142 12' East

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0218, identified as Licence No. 5010000218 (Amended).

Boigu Island STP

Location: Lot 4 on TS159

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0382.

PART 3

Dauan Island Waste Management Facility, DAUAN ISLAND

Location: Lat 9 25' South
Long 142 32' East
Lot 9/TS169

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents, labelled FN0223, identified as Licence No. 5010000223 (Amended).

PART 4

Saibai Island Waste Management Facility, SAIBAI ISLAND

Location: Lat 9 24' South
Long 142 41' East

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0219, identified as Licence No. 5010000219 (Amended).

Saibai Island Sewage Treatment Plant, Saibai ISLAND

Location: 3/TS157

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

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

Schedule A: General	
Condition number	Condition
4-A1	Access to Environmental Authority and Site Based Management Plans A copy of this environmental authority and any associated plans must be kept in a location readily accessible to personnel carrying out the environmentally relevant activity.
4-A2	Records Any record or document required to be kept by a condition of this environmental authority must be kept by <u>the holder of this environmental authority</u> for a period of at least five (5) years and be available for examination by an authorised person. For daily and weekly records, the record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
4-A3	Alterations 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 by this environmental authority. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.
4-A4	Monitoring and Measurements All determinations of the quality of contaminants released to the environment that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations.
4-A5	Calibration All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.
4-A6	Site-Based Management Plan <u>The holder of this environmental authority</u> must develop and implement a Site-Based Management Plan which provides for the following functions: (a) routine operating procedures to prevent or minimise environmental harm including procedures for the removal of sludges from the <u>licensed place</u> that minimise the risk of spillage of sludge or any other release of contaminants to the environment; and (b) maintenance practices and procedures to ensure that all plant, equipment and reticulation systems used in the carrying out of the environmentally relevant activity are maintained in good working order; and (c) contingency plans and emergency procedures to deal with foreseeable risks and hazards including inspection procedures and response plans for sewage pump stations in the event of failure of the power supply to any pump station; and (d) staff training and awareness of environmental issues to ensure that, at the minimum: (i) any person responsible for carrying out the environmentally relevant activity is familiar with the conditions of this environmental authority as they relate to the person's responsibilities; and (ii) any person responsible for the operation and maintenance of plant and equipment used in carrying out the environmentally relevant activity is competent to carry out their duties; and

	(e) a waste management plan (WMP) which addresses the following: (i) the minimisation of infiltration and other stormwater inflows to sewage reticulation systems; and (ii) proposed methods for storage, treatment, transport and reuse or disposal of sewage sludge; and (f) a stormwater management plan which has the objective of avoidance and minimisation of contaminated stormwater and provides for at least the following functions (where appropriate): (i) diversion of upstream runoff away from areas containing wastes or contaminants; and (ii) minimisation of the size of contaminated areas; and (iii) cleaning up of spilt contaminants without water; and (iv) if soil is to be exposed or disturbed as a result of any works associated with the environmentally relevant activity (e.g. extension or servicing of the sewage reticulation system): (1) minimisation of the amount of soil to be exposed or disturbed by staging works; and (2) revegetation or stabilisation of exposed or disturbed areas; and (3) installation of sediment control measures such as settling basins; and (4) diversion of upstream runoff from exposed or disturbed areas. (g) monitoring of compliance with any of the requirements of: (i) the conditions of this environmental authority; or (ii) any plans or programs prepared under this environmental authority; and (h) review and amendment or improvement of operating procedures and plans or programs where deficiencies are revealed by the monitoring program required in section (h) of this condition; and (i) on or before 1 January 2001, have completed and implemented the Site-Based Management Plan.
4-A7	A copy of the Site-Based Management Plan must be kept location readily accessible to personnel carrying out the environmentally relevant activity.
Schedule B: Air	
Condition number	Condition
4-B1	Odour Generation In the event of a complaint being made to <u>the holder of this environmental authority</u> about noxious or offensive odour generated on the <u>licensed place</u>, measures must be taken, as soon as practicable after the complaint is received, to minimise the release of the odour beyond the boundaries of the <u>licensed place</u>.
Schedule C: Water	
Condition number	Condition
4-C1	Release Points Sewage or treated sewage effluent must not be directly or indirectly released from any source on the <u>licensed place</u> to any waters at any location other than: (a) the discharge of treated effluent from Release Point W1 to receiving waters at the location shown in condition number (4-J1); and

	(b) overflows from sewage pump stations and reticulation system in accordance with the requirements of this environmental authority.																																										
4-C2	Release Point Details The discharge point serving Release Point Number W1 must be submerged such that the top of the outfall pipe is at least one (1) metre below Lowest Astronomical Tide.																																										
4-C3	Quantity of Treated Effluent Released The total quantity of treated effluent released from Release Point W1 during a <u>dry weather day</u> must not exceed an average value of 150 cubic metres and during a <u>wet weather day</u> must not exceed 450 cubic metres.																																										
4-C4	Quality Characteristics of Release to Waters The release of treated effluent to waters from the sewage treatment plant must comply with each of the limits specified in Schedule C - Table 1 for each quality characteristic. Schedule C - Table 1 Release Quality Characteristic Limits <table><tr><th>QUALITY CHARACTERISTICS</th><th>RELEASE LIMIT</th><th>LIMIT TYPE</th></tr><tr><td rowspan="2">5-day Biochemical Oxygen Demand (mg/L)</td><td>20</td><td><u>80th percentile</u></td></tr><tr><td>60</td><td><u>maximum</u></td></tr><tr><td rowspan="2">Suspended Solids (mg/L)</td><td>30</td><td><u>80th percentile</u></td></tr><tr><td>90</td><td><u>maximum</u></td></tr><tr><td>pH (pH Units)</td><td>6.5-8.5</td><td><u>range</u></td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>2</td><td><u>minimum</u></td></tr><tr><td rowspan="2">Ammonia Nitrogen (mg/L)</td><td>5</td><td><u>50th percentile</u></td></tr><tr><td>8</td><td><u>maximum</u></td></tr><tr><td rowspan="2">Total Nitrogen (mg/L)</td><td>20</td><td><u>50th percentile</u></td></tr><tr><td>40</td><td><u>maximum</u></td></tr><tr><td rowspan="2">Total Phosphorus as P (mg/L)</td><td>10</td><td><u>50th percentile</u></td></tr><tr><td>15</td><td><u>maximum</u></td></tr><tr><td>Oil and Grease (mg/L)</td><td>10</td><td><u>maximum</u></td></tr><tr><td rowspan="2">Faecal Coliforms (Organisms/100 mL)</td><td>150</td><td><u>50th percentile</u></td></tr><tr><td>600</td><td><u>maximum</u></td></tr></table>	QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE	5-day Biochemical Oxygen Demand (mg/L)	20	<u>80th percentile</u>	60	<u>maximum</u>	Suspended Solids (mg/L)	30	<u>80th percentile</u>	90	<u>maximum</u>	pH (pH Units)	6.5-8.5	<u>range</u>	Dissolved Oxygen (mg/L)	2	<u>minimum</u>	Ammonia Nitrogen (mg/L)	5	<u>50th percentile</u>	8	<u>maximum</u>	Total Nitrogen (mg/L)	20	<u>50th percentile</u>	40	<u>maximum</u>	Total Phosphorus as P (mg/L)	10	<u>50th percentile</u>	15	<u>maximum</u>	Oil and Grease (mg/L)	10	<u>maximum</u>	Faecal Coliforms (Organisms/100 mL)	150	<u>50th percentile</u>	600	<u>maximum</u>
QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE																																									
5-day Biochemical Oxygen Demand (mg/L)	20	<u>80th percentile</u>																																									
	60	<u>maximum</u>																																									
Suspended Solids (mg/L)	30	<u>80th percentile</u>																																									
	90	<u>maximum</u>																																									
pH (pH Units)	6.5-8.5	<u>range</u>																																									
Dissolved Oxygen (mg/L)	2	<u>minimum</u>																																									
Ammonia Nitrogen (mg/L)	5	<u>50th percentile</u>																																									
	8	<u>maximum</u>																																									
Total Nitrogen (mg/L)	20	<u>50th percentile</u>																																									
	40	<u>maximum</u>																																									
Total Phosphorus as P (mg/L)	10	<u>50th percentile</u>																																									
	15	<u>maximum</u>																																									
Oil and Grease (mg/L)	10	<u>maximum</u>																																									
Faecal Coliforms (Organisms/100 mL)	150	<u>50th percentile</u>																																									
	600	<u>maximum</u>																																									
4-C5	Upon commissioning an outfall pipeline at least 400m long, generally in accordance with the plan shown in condition (4-J4), the following table supersedes Schedule C - Table 1 Release Quality Characteristic Limits as per condition (4-C4): Schedule C - Table 1 Release Quality Characteristic Limits <table><tr><th>QUALITY CHARACTERISTICS</th><th>RELEASE LIMIT</th><th>LIMIT TYPE</th></tr><tr><td rowspan="2">5-day Biochemical Oxygen Demand (mg/L)</td><td>20</td><td><u>80th percentile</u></td></tr><tr><td>60</td><td><u>maximum</u></td></tr><tr><td rowspan="2">Suspended Solids (mg/L)</td><td>30</td><td><u>80th percentile</u></td></tr><tr><td>90</td><td><u>maximum</u></td></tr><tr><td>pH (pH Units)</td><td>6.5-8.5</td><td><u>range</u></td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>2</td><td><u>minimum</u></td></tr></table>	QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE	5-day Biochemical Oxygen Demand (mg/L)	20	<u>80th percentile</u>	60	<u>maximum</u>	Suspended Solids (mg/L)	30	<u>80th percentile</u>	90	<u>maximum</u>	pH (pH Units)	6.5-8.5	<u>range</u>	Dissolved Oxygen (mg/L)	2	<u>minimum</u>																							
QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE																																									
5-day Biochemical Oxygen Demand (mg/L)	20	<u>80th percentile</u>																																									
	60	<u>maximum</u>																																									
Suspended Solids (mg/L)	30	<u>80th percentile</u>																																									
	90	<u>maximum</u>																																									
pH (pH Units)	6.5-8.5	<u>range</u>																																									
Dissolved Oxygen (mg/L)	2	<u>minimum</u>																																									

	<table><tr><td>Ammonia Nitrogen (mg/L)</td><td>5</td><td>50th percentile</td></tr><tr><td></td><td>8</td><td>maximum</td></tr><tr><td>Total Nitrogen (mg/L)</td><td>20</td><td>50th percentile</td></tr><tr><td></td><td>40</td><td>maximum</td></tr><tr><td>Total Phosphorus as P (mg/L)</td><td>10</td><td>50th percentile</td></tr><tr><td></td><td>15</td><td>maximum</td></tr><tr><td>Oil and Grease (mg/L)</td><td>10</td><td>maximum</td></tr></table>	Ammonia Nitrogen (mg/L)	5	50th percentile		8	maximum	Total Nitrogen (mg/L)	20	50th percentile		40	maximum	Total Phosphorus as P (mg/L)	10	50th percentile		15	maximum	Oil and Grease (mg/L)	10	maximum
Ammonia Nitrogen (mg/L)	5	50th percentile																				
	8	maximum																				
Total Nitrogen (mg/L)	20	50th percentile																				
	40	maximum																				
Total Phosphorus as P (mg/L)	10	50th percentile																				
	15	maximum																				
Oil and Grease (mg/L)	10	maximum																				
4-C6	The release of treated effluent to waters from Release Point W1 must not produce visible floating oil, grease, scum or litter.																					
4-C7	Pump Stations The only overflow points permitted to release untreated sewage to any waters are at the locations shown in conditions number (4-J2) and (4-J3) listed below. <table><tr><th>Overflow Points</th><th>Location</th><th>Discharge To</th></tr><tr><td>4-J2 – Reticulation</td><td>50 metres east of sewage treatment plant</td><td>Intertidal mudflats</td></tr><tr><td>4-J3 - Reticulation</td><td>65 metres east of the School Road/esplanade intersection</td><td>Intertidal mudflats</td></tr></table>	Overflow Points	Location	Discharge To	4-J2 – Reticulation	50 metres east of sewage treatment plant	Intertidal mudflats	4-J3 - Reticulation	65 metres east of the School Road/esplanade intersection	Intertidal mudflats												
Overflow Points	Location	Discharge To																				
4-J2 – Reticulation	50 metres east of sewage treatment plant	Intertidal mudflats																				
4-J3 - Reticulation	65 metres east of the School Road/esplanade intersection	Intertidal mudflats																				
4-C8	Sewage Pump Station Alarms and Standby Pump Systems Pump stations whose failure would or would be likely to result in a direct or indirect release of untreated sewage to waters must be fitted with stand-by pumps and pump-failure alarms as well as high level alarms to warn of imminent pump station overflow. Alarms must be audible and/or visible.																					
4-C9	Sewage Pump Station Overflow Criteria All sewage pump stations must comply with the following design criteria: (a) overflows must be screened to prevent the release of gross solids; and (b) overflows resulting from infiltration should not occur for less than five (5) times design <u>ADWF</u>.																					
Schedule D: Stormwater Management																						
Condition number	Condition																					
4-D1	Bunding All drum storages of chemical, waste oil and fuel on the <u>licensed place</u> must be banded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.																					
4-D2	<u>The holder of this environmental authority</u> must ensure that any stormwater captured within any bund required by this environmental authority is free from contaminants or wastes prior to any release to the environment.																					
4-D3	Acid Sulphate Soils Any Potential Acid Sulphate Soils (PASS) disturbed, extracted, or unearthed as a result of carrying out the environmentally relevant activity must be managed and/or treated in an appropriate manner to prevent oxidation and any likelihood of environmental harm occurring due to the release of acidic waters.																					

Schedule E: Land application			
Condition number	Condition		
Nil conditions			
Schedule F: Noise			
Condition number	Condition		
4-F1	Emission of Noise In the event of a complaint about unreasonable noise generated on the <u>licensed place</u> , that the <u>administering authority</u> considers to be neither frivolous or vexatious, then <u>the holder of this environmental authority</u> must take action to ensure that the noise is no longer an unreasonable noise.		
Schedule G: Waste Management			
Condition number	Condition		
4-G1	Sludge Handling and Disposal Sewage sludge removed from the sewage treatment plant may only be stored on the <u>licensed place</u> in the sludge drying beds located adjacent to the sewage treatment plant.		
4-G2	All regulated waste transported from the <u>licensed place</u> must be taken to a facility licensed under the Environmental Protection Act to accept such wastes. Note: The Saibai Community Council Tip is licensed to accept sewage sludge.		
Schedule H: Self-monitoring and Reporting			
Condition number	Condition		
4-H1	Complaint Recording All complaints received by <u>the holder of this environmental authority</u> relating to releases of contaminants from operations at the <u>licensed place</u> must be recorded and kept with the following details: (a) time, date and nature of complaint; (b) type of communication (telephone, letter, personal etc.); (c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); (d) response and investigation undertaken as a result of the complaint; (e) name of person responsible for investigating complaint; and (f) action taken as a result of the complaint investigation and signature of responsible person.		
4-H2	Monitoring of Contaminant Releases to Waters <u>The holder of this environmental authority</u> is responsible for the making of determinations and keeping of records of the quality of the treated effluent discharged from the sewage treatment plant for the quality characteristics, and at least at the frequency specified in Schedule H - Table 1.		
Schedule H - Table 1 <table border="1"> <thead> <tr> <th>QUALITY CHARACTERISTIC DETERMINATION</th><th>FREQUENCY</th></tr> </thead> </table>		QUALITY CHARACTERISTIC DETERMINATION	FREQUENCY
QUALITY CHARACTERISTIC DETERMINATION	FREQUENCY		

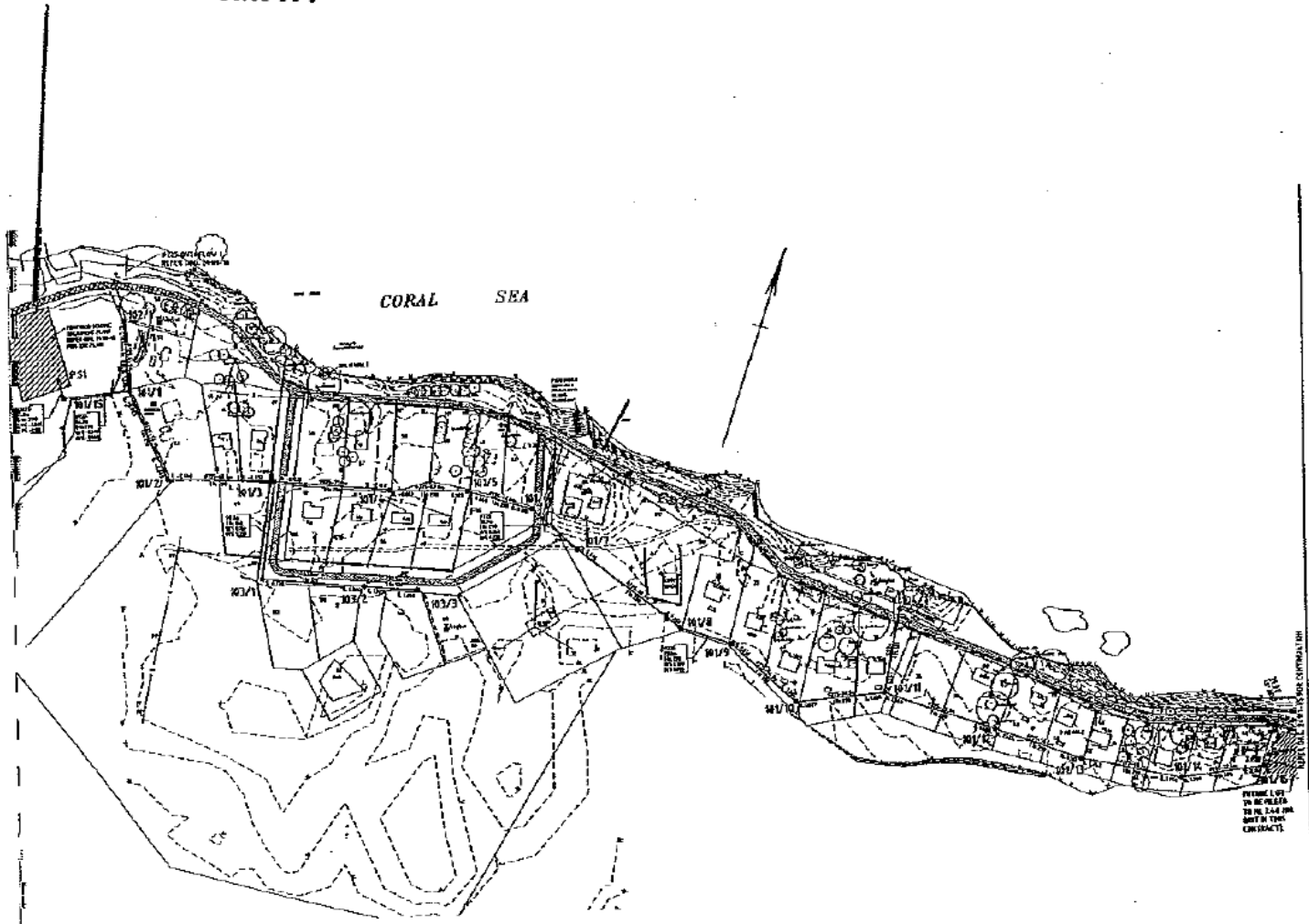
	<table> <tr> <td>5-day Biochemical Oxygen Demand</td><td>monthly</td></tr> <tr> <td>Suspended Solids</td><td>monthly</td></tr> <tr> <td>pH</td><td>fortnightly</td></tr> <tr> <td>Specific Conductance</td><td>fortnightly</td></tr> <tr> <td>Dissolved Oxygen</td><td>fortnightly</td></tr> <tr> <td>Temperature - Celsius degrees</td><td>fortnightly</td></tr> <tr> <td>Ammonia Nitrogen</td><td>monthly</td></tr> <tr> <td><u>Total Nitrogen</u></td><td>monthly</td></tr> <tr> <td>Total Phosphorus as P</td><td>monthly</td></tr> <tr> <td>Oil and Grease</td><td>monthly</td></tr> <tr> <td>Faecal Coliforms (Organisms/100 ml)</td><td>monthly*</td></tr> </table> * Testing of faecal coliforms under this environmental authority may cease when the table Schedule C - Table 1 Release Quality Characteristic Limits in condition (4-C4) is superseded with the table Schedule C - Table 1 Release Quality Characteristic Limits in condition (4-C5).	5-day Biochemical Oxygen Demand	monthly	Suspended Solids	monthly	pH	fortnightly	Specific Conductance	fortnightly	Dissolved Oxygen	fortnightly	Temperature - Celsius degrees	fortnightly	Ammonia Nitrogen	monthly	<u>Total Nitrogen</u>	monthly	Total Phosphorus as P	monthly	Oil and Grease	monthly	Faecal Coliforms (Organisms/100 ml)	monthly*
5-day Biochemical Oxygen Demand	monthly																						
Suspended Solids	monthly																						
pH	fortnightly																						
Specific Conductance	fortnightly																						
Dissolved Oxygen	fortnightly																						
Temperature - Celsius degrees	fortnightly																						
Ammonia Nitrogen	monthly																						
<u>Total Nitrogen</u>	monthly																						
Total Phosphorus as P	monthly																						
Oil and Grease	monthly																						
Faecal Coliforms (Organisms/100 ml)	monthly*																						
4-H3	Sampling Point The holder of this <u>environmental authority</u> must provide and maintain a sampling point for the treated sewage effluent at the point of discharge from the sewage treatment plant to the ocean outfall pipeline. This sampling point must be maintained so as to be readily accessible to authorised officers at any reasonable time.																						
4-H4	All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.																						
4-H5	Monitoring of Volume of Release The daily quantity of contaminants released must be determined by the use of a flow recorder.																						
4-H6	Records must be kept of the results of all determinations of the daily quantity of contaminants released to waters.																						
4-H7	Environmental Impact Monitoring Program The holder of this <u>environmental authority</u> must develop and implement an Environmental Impact Monitoring Program by 1 January 2001 in relation to the impact of the activity carried out at the <u>licensed place</u> on the receiving waters, which addresses the following issues: (a) defining and monitoring of potential effects on ambient environmental quality indicators in receiving waters; and (b) the relationship between the effluent discharge and environmental quality indicators; and (c) an annual review of benthic communities in the vicinity of the outfall pipeline to assess any impacts against the baseline data collected prior to the outfall establishment.																						
4-H8	Recording of Monitoring Program Results The holder of this <u>environmental authority</u> must keep a written record of the results of all monitoring programs required under this environmental authority. This record must: (a) record the results of all analyses, measurements and observations; (b) record the date and time of sampling; and (c) have all records of analyses, measurements and observations signed by a responsible officer.																						
4-H9	Annual Monitoring Report																						

	The holder of this environmental authority must submit a report to the <u>administering authority</u> 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 program(s) required under this environmental authority and, in graphical form, a comparison of the previous twelve (12) month's monitoring results to both the environmental authority limits and to relevant prior results; (b) an evaluation/explanation of the data from the monitoring program(s); 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 recorded for any <u>licensed place</u> under condition number (4-H10); and (e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording program(s) (excluding those already notified under condition number (4-H12) of this environmental authority); and (f) for the sewerage system 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.
4-H10	Environmental Event Recording The holder of this environmental authority must keep a record, in the form of a log, of any equipment failures or events likely to have adversely affected the site's environmental performance whilst still complying with this environmental authority. This log must include at least the following details: (a) time, date and nature of event; (b) response and investigation undertaken to deal with the event; (c) name of person responsible for investigating the event; and (d) action taken as a result of the event investigation, and signature of responsible officer.
4-H11	Notification of Emergencies and Incidents As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, <u>the holder of this environmental authority</u> must notify the <u>administering authority</u> of the release by telephone or facsimile. Note: The notification of emergencies and incidents required under this condition must also include any sewage pump failures, sewage pump station overflows or any other incident resulting in the release of raw sewage to the environment.
4-H12	Exception Reporting The holder of this environmental authority must notify the <u>administering authority</u> in writing within twenty-eight (28) days of completion of analysis of any result of a monitoring program required by a condition of this environmental authority which indicates an exceedance of any limit specified in this environmental authority.
4-H13	The written notification required by condition number (4-H12) above must include: (a) the full analysis results; and (b) details of investigation or corrective actions taken; and (c) any subsequent analysis.

Schedule H: Definition	
Condition number	Condition
4-I1	" <u>administering authority</u> " means the Environmental Protection Agency or its successor.
4-I2	" <u>total nitrogen</u> " means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.
4-I3	" <u>dry weather day</u> " refers to a day during which no rain falls within the catchment of the sewage treatment plant from the commencement of measurement for that day. The term also excludes days during which measurement is made which occur within three (3) days following cumulative rainfall of 100 mm over the three (3) preceding days.
4-I4	"wet weather day" refers to any day other than a <u>dry weather day</u> .
4-I5	"mg/L" means milligrams per litre.
4-I6	" <u>grab</u> " sample means one sample collected at any point in time.
4-I7	" <u>maximum</u> " means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
4-I8	" <u>minimum</u> " means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
4-I9	" <u>range</u> " 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.
4-I10	" <u>ADWF</u> " means average dry weather flow.
4-I11	" <u>the holder of this environmental authority</u> " means Saibai Island Community Council.
4-I12	" <u>licensed place</u> " means the Saibai Island Sewage Treatment Plant on Plan TS157, Parish of Giaka, County of Torres and includes any pump stations, reticulation systems and other ancillary works associated with the plant.
4-I13	" <u>50th percentile</u> " means that the measured values of the quality characteristic must not be greater than the release limit for any more than three out of six (6) consecutive samples where the time interval between the taking of each consecutive sample is not less than three (3) days.
4-I14	" <u>80th percentile</u> " means that the measured values of the quality characteristic must not be greater than the release limit for any more than one out of five (5) consecutive samples where the time interval between the taking of each consecutive sample is not less than three (3) days.

Schedule J: Site Plans	
Condition number	Condition
4-J1	Saibai Island Sewage Treatment Plant and Ocean Outfall

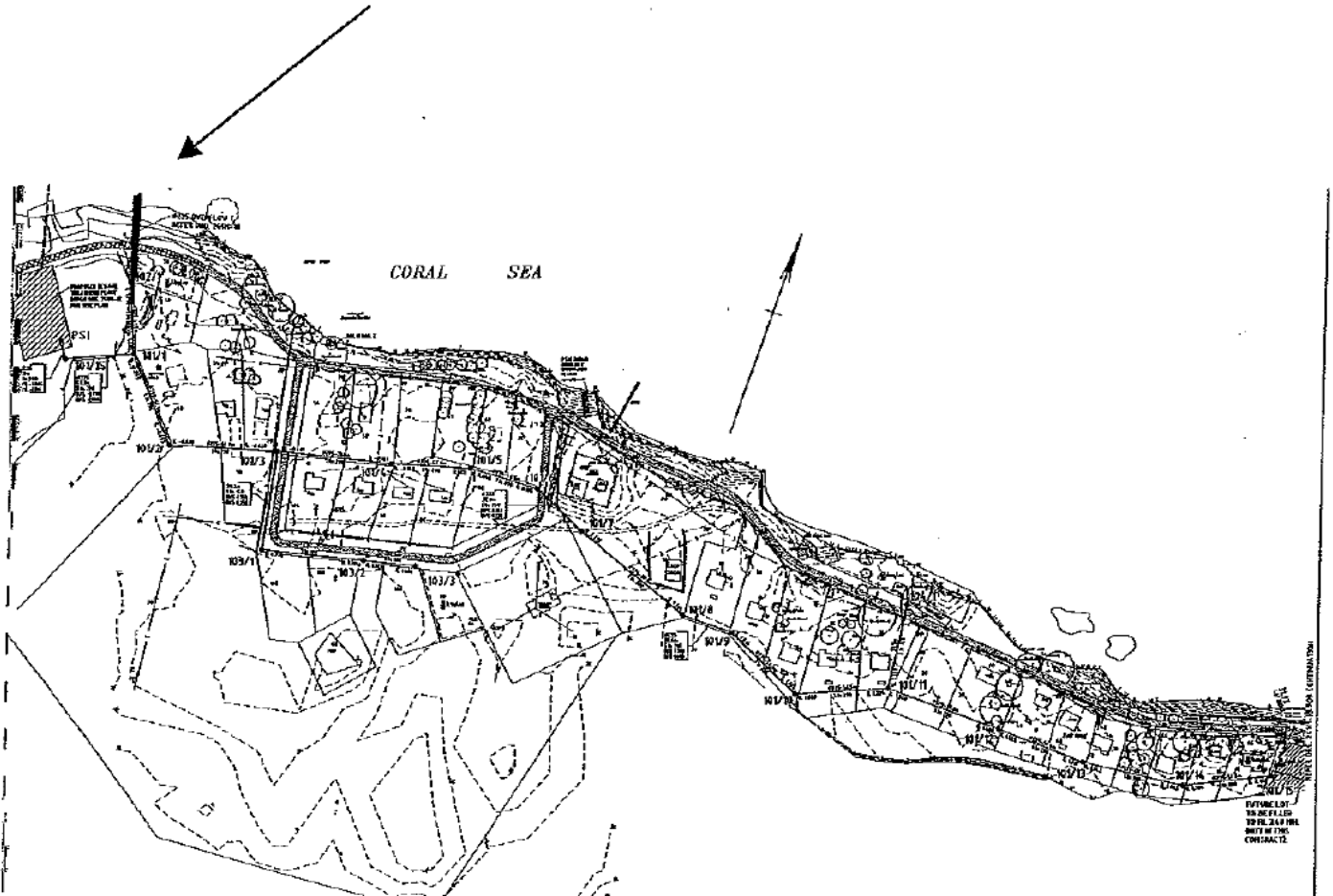
Release Point W1



4-J2

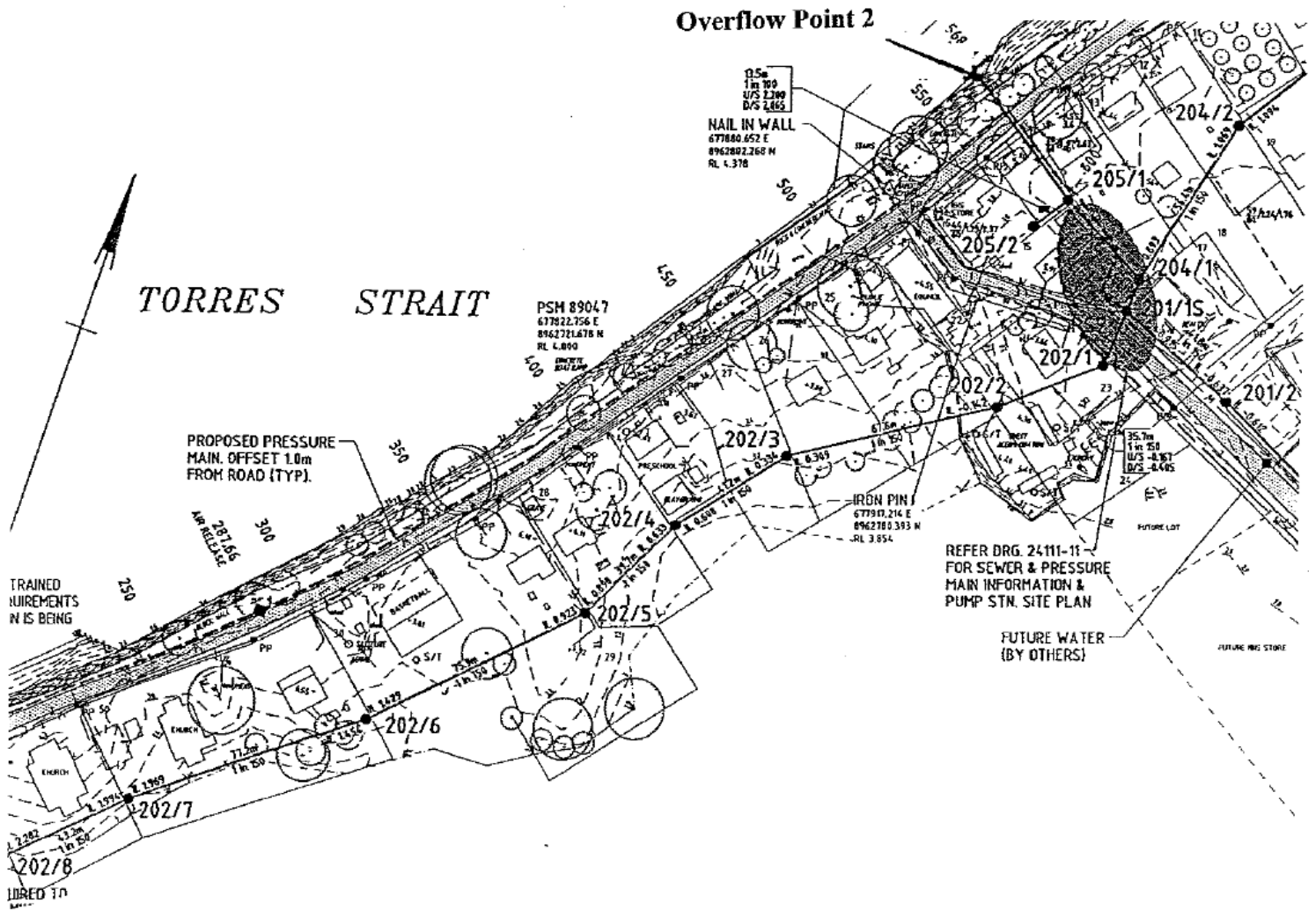
Saibai Island Sewage Treatment Plant - Location of Sewage Pump Station and Overflow Point 1

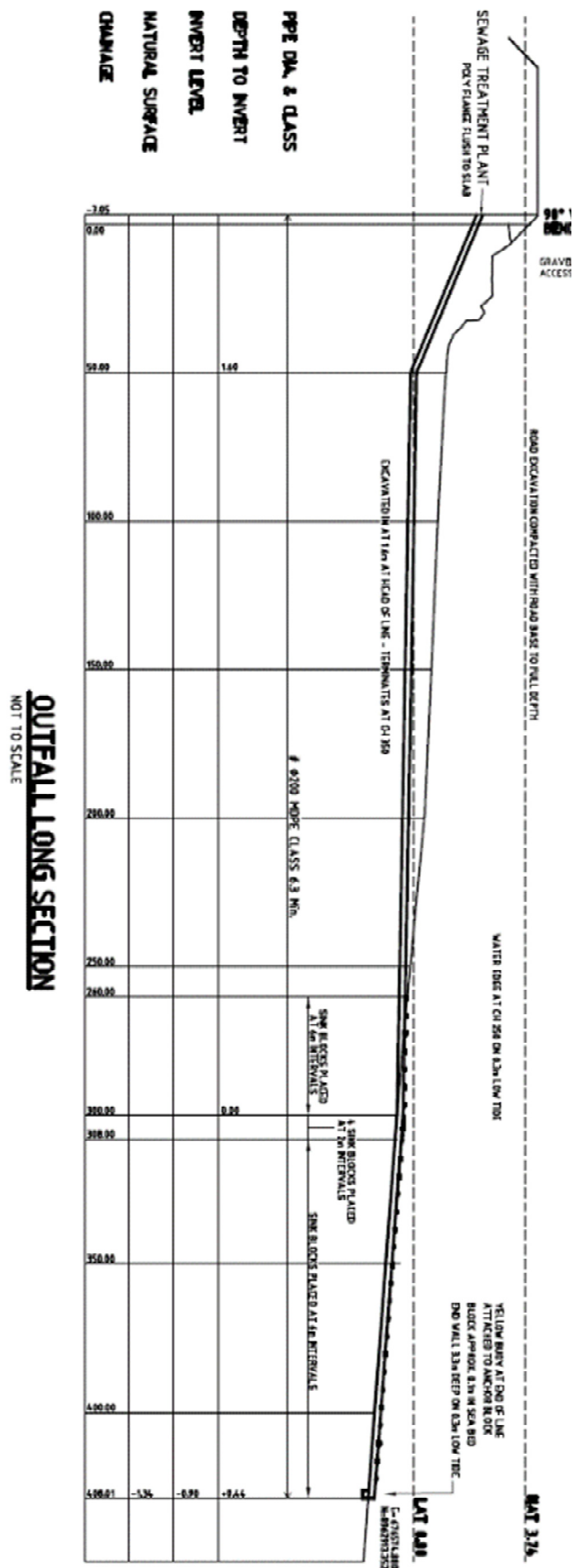
Overflow Point 1



4-J3

Saibai Island Sewage Treatment Plant - Location of Sewage Pump Station and Overflow Point 1





PART 5

Mabuiag Island Sewage Treatment Plant, MABUIAG ISLAND

Location: Lot 2 TS168

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled IPCE01053408.

Mabuiag Island Waste Management Facility, MABUIAG ISLAND

Location: Lat 9 58' South
Long 142 10' East
Lot 2 SP242990

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0229, identified as Licence No. 5010000229 (Amended).

PART 6

Badu Island Waste Management Facility, BADU ISLAND

Location: Lat 10 10' South
Long 142 10' East
Lot 7 TS 158

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0227, identified as Licence No. 5010000227 (Amended).

Badu Island Sewage Treatment Plant, Badu Island Airstrip, BADU ISLAND

Location: Lot 2 TS168

Relevant activity:

63-1(c) Sewage treatment, other than no release works, 1500-4000EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0096DA and FN0555.

PART 7

Kubin Community Waste Disposal Facility, MOA ISLAND

Location: Lat 10 14' South
Long 142 13' East
Lot 5 SP248095

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0214, identified as Licence No. 5010000214.

Kubin Community Sewage Treatment Plant, MOA ISLAND

Location: -10.224569, 142.220444 (GDA94)
Lot 5 SP248095

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled IPDE00547007E11.

Kubin Community Extraction, MOA ISLAND

Location: Lot 5 SP248095

Relevant activity:

16-2(b) Extracting, other than by dredging, 5000t to 100,000t in a year

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents Notice of Decision and IPDE00677107.

PART 8

St Pauls Community Waste Management Facility, MOA ISLAND

Location: -10.184679, 142.31799 (GDA94)
Lot 6 TS158

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0220, identified as Licence No. 5010000220 (Amended).

St Pauls Community Sewage Treatment Plant, MOA ISLAND

Location: Lot 6 TS158

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled IPDE00556507D11.

PART 9

Iama Island Waste Management Facility, IAMA ISLAND

Location: -9.898582, 142.778756 (GDA94)
Lot 13 TS177

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0207, identified as Licence No. 5010000207 (Amended).

Iama Island Sewage Treatment Plant, IAMA ISLAND

Location: Lot 13 TS177

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0365.

PART 10

Warraber Community Waste Management Facility, WARRABER ISLAND

Location: -10.209665, 142.819807 (GDA94)
Lot 4 TS171

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0225, identified as Licence No. 5010000225 (Amended).

Warraber Community Sewage Treatment Plant, WARRABER ISLAND

Location: Lot 4 TS171

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled IPCE01118108.

PART 11

Poruma Community Waste Management Facility, PORUMA ISLAND

Location: -10.050017, 143.07606 (GDA94)
Lot 6 TS166

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0209.

PART 12

Masig Community Waste Management Facility, YORKE ISLAND

Location: Lat 9 45' South
Long 143 24' East
Lot 10 TS179

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0228, identified as Licence No. 5010000228 (Amended).

PART 13

Ugar Community Waste Management Facility, STEPHEN ISLAND

Location: Lat 9 30' South
Long 143 33' East
Lot 7 TS174

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0226, identified as Licence No. 5010000226 (Amended).

PART 14

Erub Community Waste Management Facility, DARNLEY ISLAND

Location: Lat 9 35' South
Long 143 45' East
Lot 4 TS156

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached document FN0208, identified as Licence No. 5010000208 (Amended).

Erub Community Sewage Treatment Plant, DARNLEY ISLAND

Location: Lot 4 TS156

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached documents labelled FN0062DA.

PART 15

Mer Community Waste Management Facility, Mer ISLAND

Location: Lat 9 55' South
Longitude 144' East
Lot 48 SP249793

Relevant activity:

60-(2a) Waste disposal, 50-2000t section (1)(b)

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached document FN0210, identified as Licence No. 5010000210 (Amended).

Mer Community Sewage Treatment Plant, MER ISLAND

Location: Lot 48 SP249793

Relevant activity:

63-1(b)(ii) Sewage treatment, other than no release works, 100-1500EP

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the site specific conditions contained within the attached document FN383.

Attachments:

- Conditions for Part 1, ERA 57: Code of environmental compliance for certain aspects of regulated waste transported (ERA 57) - Version 4
- Conditions for Part 7, ERA16-2(b): Notice of Decision, and IPDE00677107
- Conditions for Part 12, ERA 60-2(a): 5010000228
- Conditions for Part 13, ERA 60-2(a): 5010000226
- Conditions for all other activities: Amalgamated conditions document

END OF ENVIRONMENTAL AUTHORITY