

Permit

Environmental Protection Act 1994

Environmental authority EPPR00198913

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

Environmental authority number: EPPR00198913

Environmental authority takes effect on 01 May 2019

Environmental authority holder(s)

Name(s)	Registered address
Hinchinbrook Shire Council	25 Lannercost Street INGHAM QLD 4850

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (c) more than 1500 but not more than 4000EP	Lot 380/CWL2949
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Lot 336/CWL2184
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (d) more than 4000 but not more than 10,000EP	Lot 2/RP738105

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).

Environmental authority

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.

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

Enquiries:
Extraction, Energy and Chemical Industries
Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Date issued: 01 May 2019

Environmental authority

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)

Legislative Requirements and Conditions of Environmental Authority

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 Natural Resources and Mines (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 and Heritage Protection to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

ERA threshold	Location
ERA 63 (c) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of: (c) more than 1,500 but not more than 4,000 EP	Lot 380 CWL2949
ERA 63 (d) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of: (d) more than 4,000 but not more than 10,000 EP	Lot 336 CWL2184 Lot 2 RP738105

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

General	
Application of Conditions of Environmental Authority	
A1	Except where otherwise indicated the conditions of this environmental authority apply to all premises subject to this environmental authority.
Release of Contaminants not otherwise provided for	
A2	In carrying out the environmentally relevant activity, the holder of this environmental authority must take all reasonable and practicable measures to prevent and/or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, may cause environmental harm, in a manner that could be prevented, shall be carried out in a proper manner by a competent person in accordance with the conditions of this authority.
A3	The holder of this environmental authority must: (a) install and operate all works and control equipment, and (b) take all measures, perform all acts and do all things, necessary to ensure compliance with the conditions of this environmental authority.
Display of Environmental Authority	
A4	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
Records	
A5	Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. 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.
A6	Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.
Alterations	
A7	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.
Calibration	
A8	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.
Competency	

A9	The licence shall ensure that the operation and maintenance sewage treatment plants is carried out by or under the supervision of a person competent to operate and maintain the sewage treatment plants.
Integrated Environmental Management System IEMS	
A10	<p>The holder of this environmental authority must:</p> <p>a) develop and implement an IEMS which provides for the following functions:</p> <ul style="list-style-type: none"> i. the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and ii. staff training and awareness of environmental issues; and iii. the conduct of environmental and energy audits; and waste prevention, treatment and disposal; and <p>b) lodge with the administering authority on or before 30 June 1997 and at six monthly intervals thereafter until 31 December 1998, a brief report describing the progress in developing and implementing the IEMS; and</p> <p>c) on or before 31 January 1999, have completed and implemented the IEMS; and</p> <p>d) on or before 31 December 1998 lodge a detailed description of the IEMS and its documentation with the administering authority for its review and comment; and</p> <p>e) have due regard to that comment in the finalisation of the IEMS.</p>
A11	A copy of the IEMS must be kept at the licensed place where practical.
A12	The holder of this environmental authority must not implement an integrated Environmental Management System or amend the Integrated Environmental Management System where such implementation or amendment would result in a contravention of any condition of this environmental authority.
A13	A copy of the Integrated Environmental Management System must be kept at the licensed place.
A14	The holder of this environmental authority must submit details of any amendment to the Integrated Environmental Management System to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.
A15	A copy of the Integrated Environmental Management System must be provided to the administering authority within 30 days of its completion.
A16	<p>The IEMS must address the management of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity/activities by the holder of this environmental authority at the following sites:</p> <ul style="list-style-type: none"> a) Ingham Sewage Treatment Plant b) Lucinda Sewage Treatment Plant

Release of Visible Light	
A17	Any visible light released from the licensed place must not, in the opinion of an authorised person, cause an environmental nuisance at or beyond the boundary of the licensed place.
Noxious or Offensive Odour	
B1	Notwithstanding any other condition of this environmental authority no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.
Release of Contaminants to Waters	
C1	Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except: <ul style="list-style-type: none">i. as permitted under the water schedule; orii. as permitted under the stormwater management schedule; oriii. to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.

C2

Release Points

Contaminants must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources at the locations listed below:

Release Point Locations

Release point W1 - Waters described as Palm Creek via Hinchinbrook Community Wetlands at a location described as adjacent to Lot 2 on RP 738105 County of Cardwell Parish of Cordelia. Release of waters to Hinchinbrook Community Wetlands must only occur in longitude and latitude specified in *Schedule 2B Table 1 - Hinchinbrook Community Wetland location - point reference areas visualised in Appendix 1 Hinchinbrook Shire Council Community Wetlands.*

Schedule 2B Table 1 – Hinchinbrook Community Wetlands location

Point reference	Latitude	Longitude
1	-18.64889	146.19023
2	-18.64856	146.19101
3	-18.64826	146.19084
4	-18.64810	146.19125
5	-18.64838	146.19140
6	-18.64808	146.19215
7	-18.64983	146.19319
8	-18.65085	146.19114
9	-18.64991	146.19071
10	-18.65004	146.19041
11	-18.64998	146.19039
12	-18.64981	146.19066
13	-18.64889	146.19023

- Release point W2 - Waters described as Halifax Bay, Pacific Ocean at a location described as approximately 200 metres to the north of the sewage treatment plant and 100 metres to sea.
- Release point W3 - Waters described as Herbert River at a location described as adjacent to the sewage treatment plant.

	<p>Contaminants and Sources for Release Points</p> <ul style="list-style-type: none"> • Release point W1 - Sewage treatment plant effluent from the Ingham Sewage Treatment Plant. • Release point W2 - Sewage treatment plant effluent from the Lucinda Sewage Treatment Plant. • Release point W3 - Sewage treatment plant effluent from the Ingham Sewage Treatment Plant.
C3	Release Points W3 shall only be used during times of unavailability of Release Point W1 due to excessive rainfall.
C4	Use of Release Point W2 and W3 is a notifiable incident under Condition H13.
Quantity of Contaminants Released	
C5	The total quantity of contaminants released from release point number W1 during any dry weather day must not exceed 6,000 cubic metres and during a wet weather day must not exceed 9,000 cubic metres.
C6	The total quantity of contaminants released from release point number W2 during any dry weather day must not exceed 250 cubic metres and during a wet weather day must not exceed 750 cubic metres.
Quantity Characteristics of Release to Waters	
C7	The release of contaminants to waters must comply, at the sampling and in situ monitoring points specified and with each of the limits specified in <i>Schedule 2C Table 1 - Release Quality Characteristic Limits</i> for each quality characteristic.
C8	The release must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, scum, little or other objectionable matter.

Schedule 2C Table 1 – Release Quality Characteristic Limits

Quality Characteristics	Release Limit	Limit Type
5-day Biochemical Oxygen Demand	15 mg/L	long term 80 th percentile compliance
5-day Biochemical Oxygen Demand	23 mg/L	short term 80 th percentile compliance
5-day Biochemical Oxygen Demand	45 mg/L	maximum
Suspended Solids	20 mg/L	long term 80 th percentile compliance
Suspended Solids	30 mg/L	short term 80 th percentile compliance
Suspended Solids	60 mg/L	maximum
pH	6.5-8.5 pH units	range
Dissolved Oxygen	2 mg/L	maximum
Free Residual Chlorine	0.7mg/L	maximum
Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals	1000 colonies per 100 millilitres	median
Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the maximum specified	4000 colonies per 100 millilitres	maximum

Pump Stations

C9	<p>The only pump stations permitted to release contaminants to any waters are those listed below at the corresponding overflow locations.</p> <p style="text-align: center;">Ingham Sewage Reticulation Scheme</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Pump Station Number/Description</th> <th style="text-align: left;">Overflow Location</th> </tr> </thead> <tbody> <tr><td>PS 1 Harvey St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 2 Ann St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 3 Fanning St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 4 Mcllwraith St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 5 Miles St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 6 Dickson St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 7 Druery St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 8 Fairford St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 9 Hawkins St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 11 Perkins St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 13 Davidson St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 14 Philp St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 15 Davidson St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 16 Abbott St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 18 Hunter St, Ingham</td><td>Local stormwater drain</td></tr> <tr><td>PS 44 Sartorisi St, Trebonne</td><td>Local stormwater drain</td></tr> </tbody> </table> <p style="text-align: center;">Lucinda Sewerage Reticulation Scheme</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Pump Station Number/Description</th> <th style="text-align: left;">Overflow Location</th> </tr> </thead> <tbody> <tr> <td>PS Caravan Park, Bruce Parade, Lucinda</td> <td>Local stormwater drain</td> </tr> </tbody> </table>	Pump Station Number/Description	Overflow Location	PS 1 Harvey St, Ingham	Local stormwater drain	PS 2 Ann St, Ingham	Local stormwater drain	PS 3 Fanning St, Ingham	Local stormwater drain	PS 4 Mcllwraith St, Ingham	Local stormwater drain	PS 5 Miles St, Ingham	Local stormwater drain	PS 6 Dickson St, Ingham	Local stormwater drain	PS 7 Druery St, Ingham	Local stormwater drain	PS 8 Fairford St, Ingham	Local stormwater drain	PS 9 Hawkins St, Ingham	Local stormwater drain	PS 11 Perkins St, Ingham	Local stormwater drain	PS 13 Davidson St, Ingham	Local stormwater drain	PS 14 Philp St, Ingham	Local stormwater drain	PS 15 Davidson St, Ingham	Local stormwater drain	PS 16 Abbott St, Ingham	Local stormwater drain	PS 18 Hunter St, Ingham	Local stormwater drain	PS 44 Sartorisi St, Trebonne	Local stormwater drain	Pump Station Number/Description	Overflow Location	PS Caravan Park, Bruce Parade, Lucinda	Local stormwater drain
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C10	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.																																						
C11	The pump station overflows referred to in condition C9 shall be screened to prevent the discharge of gross solids.																																						
New Pump Stations																																							

C12	Where it cannot be demonstrated that the installation of any new Pump Station will not result in overflows at a frequency less than once every 5 years due to power failure and once every 10 years due to infiltration the holder of this environmental authority must where practicable provide storage to isolate and contain pump station overflows.
C13	All overflows and overflow control structures must be located away from environmentally sensitive locations including waterways and natural wetlands.
Stormwater Management	
D1	The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
D2	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.
Pond conditions	
D3	All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond from causing environmental harm or environmental nuisance in any waters (including groundwaters).
D4	All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained so that a freeboard of not less than 0.5 metres is maintained at all times.
D5	All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds construction.
D6	Ponds or other structures used for the storage or treatment of contaminants or wastes, including any associated pumps and control equipment, must not be located in any area below the one in ten year flood level.
D7	Ponds or other structures used for the storage or treatment of contaminants or wastes must not be located in any area likely to receive substantial stormwater runoff.
D8	Suitable banks and or diversion drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of contaminants or wastes.
D9	Ponds must be a maximum of two metres deep to maintain aerobic conditions.
Release of Contaminants to Land from Sewage Treatment Plants	
E1	The defined contaminant release area is described as Ingham Sewage Treatment Plant and Lucinda Sewage Treatment Plant.
E2	The contaminant release area must not be used for recreational activities or as a traffic thoroughfare.
Supply of Contaminants for the Purpose of Irrigation from Sewage Treatment Plants	

E3	The contaminant/s released to other parties for the purpose of irrigation must comply, at the sampling points specified, with each of the release limits specified in <i>Schedule 2E Table 1</i> for each quality characteristic.
E4	Copies of agreements to supply contaminants for the purpose of irrigation shall be forwarded to the administering authority within thirty (30) days of the date of issue of this license.
E5	Copies of new agreements to supply contaminants for the purpose of irrigation shall be forwarded to the administering authority within thirty (30) days of their ratification.
Quality of Contaminants Released to Land from Sewage Treatment Plants	

E6	<p>The contaminant/s released must comply, at the sampling and in-situ measurement points specified in Schedule H. with each of the release limits specified in <i>Schedule 2E Table 1</i> for each quality characteristic.</p> <p style="text-align: center;">Schedule 2E Table 1</p> <p style="text-align: center;">Release Quality Characteristic Limits</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Quality Characteristics</th> <th style="text-align: center;">Release Limit</th> <th style="text-align: center;">Limit Type</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5-day Biochemical Oxygen Demand</td> <td style="text-align: center;">15 mg/L</td> <td style="text-align: center;">long term 80th percentile compliance</td> </tr> <tr> <td style="text-align: center;">5-day Biochemical Oxygen Demand</td> <td style="text-align: center;">23 mg/L</td> <td style="text-align: center;">short term 80th percentile compliance</td> </tr> <tr> <td style="text-align: center;">5-day Biochemical Oxygen Demand</td> <td style="text-align: center;">45 mg/L</td> <td style="text-align: center;">maximum</td> </tr> <tr> <td style="text-align: center;">Suspended Solids</td> <td style="text-align: center;">20 mg/L</td> <td style="text-align: center;">long term 80th percentile compliance</td> </tr> <tr> <td style="text-align: center;">Suspended Solids</td> <td style="text-align: center;">30 mg/L</td> <td style="text-align: center;">short term 80th percentile compliance</td> </tr> <tr> <td style="text-align: center;">Suspended Solids</td> <td style="text-align: center;">60 mg/L</td> <td style="text-align: center;">maximum</td> </tr> <tr> <td style="text-align: center;">pH</td> <td style="text-align: center;">6.5-8.5 pH units</td> <td style="text-align: center;">range</td> </tr> <tr> <td style="text-align: center;">Dissolved Oxygen</td> <td style="text-align: center;">2 mg/L</td> <td style="text-align: center;">maximum</td> </tr> <tr> <td style="text-align: center;">Free Residual Chlorine</td> <td style="text-align: center;">0.7mg/L</td> <td style="text-align: center;">maximum</td> </tr> <tr> <td>Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals</td> <td style="text-align: center;">1000 colonies per 100 millilitres</td> <td style="text-align: center;">median</td> </tr> <tr> <td>Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the maximum specified</td> <td style="text-align: center;">4000 colonies per 100 millilitres</td> <td style="text-align: center;">maximum</td> </tr> </tbody> </table>	Quality Characteristics	Release Limit	Limit Type	5-day Biochemical Oxygen Demand	15 mg/L	long term 80 th percentile compliance	5-day Biochemical Oxygen Demand	23 mg/L	short term 80 th percentile compliance	5-day Biochemical Oxygen Demand	45 mg/L	maximum	Suspended Solids	20 mg/L	long term 80 th percentile compliance	Suspended Solids	30 mg/L	short term 80 th percentile compliance	Suspended Solids	60 mg/L	maximum	pH	6.5-8.5 pH units	range	Dissolved Oxygen	2 mg/L	maximum	Free Residual Chlorine	0.7mg/L	maximum	Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals	1000 colonies per 100 millilitres	median	Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the maximum specified	4000 colonies per 100 millilitres	maximum
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E7	All contaminants must be stored or released on the defined contaminant release area. There must be no direct or indirect release of contaminants to any watercourse or stormwater drain.																																				
E8	The release of contaminants to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.																																				

E9	The contaminant release area must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released contaminants.
E10	Spray from any release of contaminants to land must not drift beyond the boundaries of the licensed place.
E11	Public access to any contaminant release area must be denied during the release of contaminants to land and until the release area has dried.
E12	Notices warning the public not to use or drink the release of contaminants to land must be prominently displayed and must be maintained in a visible and legible condition.
E13	Pipelines and fittings for the release of contaminants to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release areas.
Emission of Noise	
F1	The environmentally relevant activity must be carried out by such practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes environmental nuisance.
F2	Where it is not practicable to prevent any emission of noise as required by condition F1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such emission of noise that constitutes annoyance.

F3	<p>In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the licensed place must not result in levels greater than those specified in <i>Table 1 of the Noise Schedule</i>.</p> <p style="text-align: center;">Schedule 2F Table 1 Noise Schedule</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: left; padding: 5px;">Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj. T}$</th> <th style="text-align: center; padding: 5px;">Period</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 5 (dBA)</td> <td style="text-align: center; padding: 5px;">7 am - 6 pm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 5 (dBA)</td> <td style="text-align: center; padding: 5px;">6 pm - 10 pm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 3 (dBA)</td> <td style="text-align: center; padding: 5px;">10 pm - 7 am</td> </tr> <tr style="background-color: #e0e0e0;"> <th style="text-align: left; padding: 5px;">Noise Level at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj. T}$</th> <th style="text-align: center; padding: 5px;">Period</th> </tr> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 10 (dBA)</td> <td style="text-align: center; padding: 5px;">7 am - 6 pm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 10 (dBA)</td> <td style="text-align: center; padding: 5px;">6 pm - 10 pm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Background noise level plus 8 (dBA)</td> <td style="text-align: center; padding: 5px;">10 pm - 7 am</td> </tr> </tbody> </table>	Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj. T}$	Period	Background noise level plus 5 (dBA)	7 am - 6 pm	Background noise level plus 5 (dBA)	6 pm - 10 pm	Background noise level plus 3 (dBA)	10 pm - 7 am	Noise Level at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj. T}$	Period	Background noise level plus 10 (dBA)	7 am - 6 pm	Background noise level plus 10 (dBA)	6 pm - 10 pm	Background noise level plus 8 (dBA)	10 pm - 7 am
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F4	<p>The value of background noise level to be used in conjunction with the noise limits in Table 1 above is to be obtained from Table 2 below using the following methodology.</p> <ol style="list-style-type: none"> i. If the measured background noise level is above the upper limit of the appropriate range, the upper limit of the appropriate range must be used. ii. If the measured background noise level is below the lower limit of the appropriate range, the lower limit of the appropriate range must be used. iii. If the measured background noise level is within the appropriate range, then the measured value must be used. <p style="text-align: center;">Schedule 2F Table 2 Range of Values of Background Noise to be Used In Conjunction with Noise Limits in Table 1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Time Period</th> <th style="text-align: center;">Range of Background Noise Levels (dBA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Monday to Saturday 7am – 6pm</td> <td style="text-align: center;">45-50</td> </tr> <tr> <td style="text-align: center;">Monday to Saturday 6pm - 10pm</td> <td style="text-align: center;">40-45</td> </tr> <tr> <td style="text-align: center;">Monday to Saturday 10pm – 7am</td> <td style="text-align: center;">35-40</td> </tr> <tr> <td style="text-align: center;">All other times and public holidays</td> <td style="text-align: center;">30-35</td> </tr> </tbody> </table>	Time Period	Range of Background Noise Levels (dBA)	Monday to Saturday 7am – 6pm	45-50	Monday to Saturday 6pm - 10pm	40-45	Monday to Saturday 10pm – 7am	35-40	All other times and public holidays	30-35
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G1	<p>The holder of this environmental authority must not:</p> <ol style="list-style-type: none"> i. burn waste at or on the licensed place; nor ii. allow waste to burn or be burnt at or on the licensed place; nor iii. remove waste from the licensed place and burn such waste elsewhere. 										
G2	<p>Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following:</p> <ol style="list-style-type: none"> a) the date, quantity and type of waste removed; and b) name of the waste transporter and/or disposal operator that removed the waste; and c) the intended treatment/disposal destination of the waste. 										
G3	<p>Records of trade waste agreements must be made available for inspection on request.</p>										
G4	<p>If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.</p>										

G5	<p>Where waste is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:</p> <ul style="list-style-type: none"> a) the date, quantity and type of waste disposed; and b) the location of disposal of the waste; and c) the method of disposal of the waste.
H1	<p>All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details:</p> <ul style="list-style-type: none"> i. time, date and nature of complaint; ii. type of communication (telephone, letter, personal etc.); iii. 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); iv. response and investigation undertaken as a result of the complaint; v. name of person responsible for investigating complaint; and vi. action taken as a result of the complaint investigation and signature of responsible person.

H2	<p>The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in <i>Schedule H Table 1 and Schedule H Table 2</i>:</p> <p style="text-align: center;">Schedule 2H - Table 1 Ingham STP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Quality Characteristic Determination</th> <th style="width: 33%;">Monitoring Points</th> <th style="width: 33%;">Frequency</th> </tr> </thead> <tbody> <tr> <td>5-day Biochemical Oxygen Demand</td> <td>At the outlet channel of the community wetland</td> <td>fortnightly*</td> </tr> <tr> <td>Suspended Solids</td> <td>At the outlet channel of the community wetland</td> <td>fortnightly*</td> </tr> <tr> <td>pH</td> <td>At the outlet channel of the community wetland</td> <td>daily</td> </tr> <tr> <td>Dissolved Oxygen</td> <td>At the outlet channel of the community wetland</td> <td>daily</td> </tr> <tr> <td>Faecal Coliforms (Organisms/100 ml)</td> <td>At the outlet channel of the community wetland</td> <td>fortnightly*</td> </tr> </tbody> </table> <p style="text-align: center;">Schedule 2H - Table 2 Lucinda STP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Quality Characteristic Determination</th> <th style="width: 33%;">Monitoring Points</th> <th style="width: 33%;">Frequency</th> </tr> </thead> <tbody> <tr> <td>5-day Biochemical Oxygen Demand</td> <td>At the effluent discharge pit</td> <td>fortnightly*</td> </tr> <tr> <td>Suspended Solids</td> <td>At the effluent discharge pit</td> <td>fortnightly*</td> </tr> <tr> <td>pH</td> <td>At the effluent discharge pit</td> <td>daily</td> </tr> <tr> <td>Dissolved Oxygen</td> <td>At the effluent discharge pit</td> <td>daily</td> </tr> <tr> <td>Faecal Coliforms (Organisms/100 ml)</td> <td>At the effluent discharge pit</td> <td>fortnightly*</td> </tr> </tbody> </table> <p><small>* Frequency of testing for Biochemical Oxygen Demand, Suspended Solids and Faecal Coliforms as per Schedule H Tables 1 and 2 to be fortnightly for the following months - May, June July, August and September otherwise monthly for the remaining months.</small></p>	Quality Characteristic Determination	Monitoring Points	Frequency	5-day Biochemical Oxygen Demand	At the outlet channel of the community wetland	fortnightly*	Suspended Solids	At the outlet channel of the community wetland	fortnightly*	pH	At the outlet channel of the community wetland	daily	Dissolved Oxygen	At the outlet channel of the community wetland	daily	Faecal Coliforms (Organisms/100 ml)	At the outlet channel of the community wetland	fortnightly*	Quality Characteristic Determination	Monitoring Points	Frequency	5-day Biochemical Oxygen Demand	At the effluent discharge pit	fortnightly*	Suspended Solids	At the effluent discharge pit	fortnightly*	pH	At the effluent discharge pit	daily	Dissolved Oxygen	At the effluent discharge pit	daily	Faecal Coliforms (Organisms/100 ml)	At the effluent discharge pit	fortnightly*
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H7	Records must be kept of the results of all determinations of the daily quantity of contaminants released to waters.
H8	For the purposes of checking compliance with conditions of the Noise Schedule monitoring and recording of the noise levels from the activity/activities must be undertaken for the following descriptors, characteristics and conditions: <ul style="list-style-type: none"> i. LA_{max} adj T adj T; ii. LA_{bg}, T or LA₉₀,T; vii. The level and frequency of occurrence of impulsive or tonal noise; viii. Atmospheric conditions including temperature, relative humidity and wind speed and direction; and ix. Effects due to extraneous factors such as traffic noise.
H9	The holder of this environmental authority must monitor and record the noise levels to check compliance with the conditions of this authority not less frequently than on receipt of a request from the administering authority to carry out such monitoring.
H10	The method of measurement and reporting of noise levels must comply with the <i>Department of Environment and Science Noise Measurement Manual</i> .
H11	The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.
H12	The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the Annual Return.
H13	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, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.
H14	The notification of emergencies or incidents as required by condition number H13 must include but not be limited to the following: <ul style="list-style-type: none"> i. the name of holder of the environmental authority; ii. the location of the emergency or incident; iii. the number of the environmental authority; iv. the name and telephone number of the designated contact person; v. the time of the release; vi. the time the holder of the environmental authority became aware of the release; vii. the suspected cause of the release; viii. the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and ix. actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

H15	<p>Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number H14 in addition to:</p> <ul style="list-style-type: none"> i. proposed actions to prevent a recurrence of the emergency or incident; ii. outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance, and iii. the results of any environmental monitoring performed.
H16	<p>By twelve months from the date of issue of this license the holder of the environmental authority must develop and implement an Environmental Impact Monitoring Program which details how the holder of this environmental authority will effectively and appropriately monitor the impact of the activity on the environment.</p>
H17	<p>The Environmental Impact Monitoring Program must include sufficient spatial and temporal replication (Including controls) to enable statistically valid conclusions to be made concerning any impacts.</p>
H18	<p>The Environmental Impact Monitoring Program must be designed so as to have at least an eighty percent chance of detecting an environmental impact should one occur.</p>
H19	<p>The proposal for the Environmental Impact Monitoring Program must include but not be limited to the following:</p> <ul style="list-style-type: none"> a) description of potential effects on the environment including flora and fauna communities (including introduction of species), ambient environmental quality (water, including groundwater and air), effects of increases in, cessation or relocation of discharges (including introduction of trade waste policies which may alter influent and effluent characteristics); b) relationship between release/activity and environmental quality indicators including biodiversity, with predictions and intended measurements of impacts from the release/activity; c) methodologies, procedures, statistical analyses proposed.
H20	<p>A copy of the Environmental Impact Monitoring Program must be provided to the administering authority within 30 days of its completion.</p>
H21	<p>Records must be kept of the results of all monitoring carried out under the Environmental Impact Monitoring Program for a period of at least 5 years.</p>
H22	<p>The holder of this environmental authority must submit a report on the progress, results, findings and interpretation of the Environmental Impact Monitoring Program to the administering authority at least annually with the annual return for the license.</p>

Definitions

For the purposes of this environmental authority the following definitions apply:

mg/L means milligrams per litre.

dry weather flow refers to a day during which no rain falls within the catchment of the sewage treatment plant for the commencement of measurement for that day. The term also excludes days during which measurements is made which occur within three days following cumulative rainfall of 100 mm over the three preceding days.

long term 80 percentile means that not more than five (5) of the measured values of the quality characteristics are to exceed the stated release limit for any twenty five (25) consecutive samples where:

- i. the consecutive samples are taken over a one year period;
- ii. the consecutive samples are taken at approximately equal periods; and
- iii. the time interval between the taking of each consecutive sample is not
- iv. less than thirteen days.

short term 80 percentile means that not more than one (1) of the measured values of the quality characteristic are to exceed the stated release limit for any five (5) consecutive samples where:

- i. the consecutive samples are taken over a five week period;
- ii. the consecutive samples are taken at approximately equal periods; and
- iii. the time interval between the taking of each consecutive sample is not less than thirteen days.

grab sample means one sample collected at any point in time.

median means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

maximum means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

minimum means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

range means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

L_{Amax adj T} means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

Background noise level means either:

LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response,
or

L_Ag, T being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.

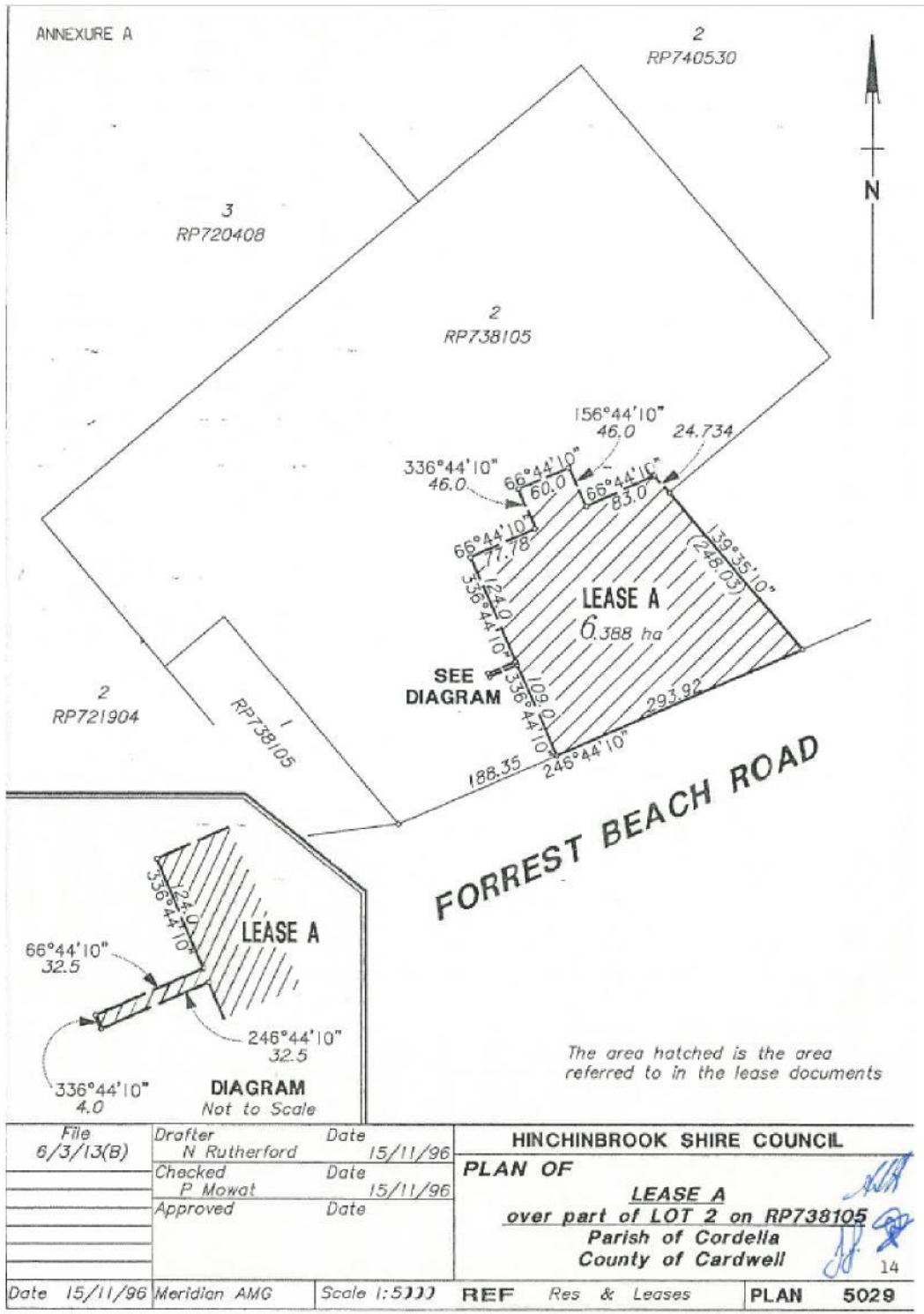
noise sensitive place means -

- a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- b) a motel, hotel or hostel; or
- c) a kindergarten, school, university or other educational institution; or
- d) a medical centre or hospital; or
- e) a protected area; or a park or gardens.

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

Appendices

Appendix 1: Hinchinbrook Shire Council Community Wetlands



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