Permit

Environmental Protection Act 1994

Environmental authority EPPR00685213

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

Environmental authority number: EPPR00685213

Environmental authority takes effect on 16 November 2022

The anniversary date of this environmental authority is the 08th of November each year.

Environmental authority holder(s)

Name(s)	Registered address
Department of Agriculture and Fisheries	Level 5, 41 George Street, Brisbane City, 4000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 01 – Aquaculture 1(a) – Cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100 square metres but not more than 10ha.	Lot 190 on SP305550
ERA 01 - Aquaculture 2(a) - Cultivating or holding marine, estuarine or freshwater organisms, other than crustaceans, in enclosures that are on land and have a total area of more than 100 square metres but not more than 10ha.	Lot 190 on SP305550

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.

ABN 46 640 294 485

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 of the EP Act) 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.

John Bowlen

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

Date issued: 16 November 2022

Enquiries:
Coastal and Marine Assessment
Department of Environment and Science

Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Other permits required

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

Conditions of environmental authority

Environmentally relevant activities and location details

Environmentally relevant activity/activities	Location(s)
ERA 01 – Aquaculture 1(a) – Cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100 square metres but not more than 10ha.	Lot 190 on SP305550
ERA 01 - Aquaculture 2(a) - Cultivating or holding marine, estuarine or freshwater organisms, other than crustaceans, in enclosures that are on land and have a total area of more than 100 square metres but not more than 10ha.	Lot 190 on SP305550

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

Schedule A – General Conditions

Agency interest: Display of Development Approval	
Condition number	**Condition**
(A1)	A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Agency interest: Records	
Condition number	**Condition**
(A2)	Any record or document required to be kept by a condition of this development approval must be kept at the approved place(s) 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.

(A3)	Copies of any record required to be kept by a condition of this development approval must be provided to any authorised person or the administering authority on request.

Agency interest: Alterations	
Condition number	**Condition**
(A4)	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 development approval. An example of a substantial increase in the risk of environmental harm is an increase of ten percent (10%) or more in the quantity of the contaminant to be released into the environment.

Agency interest: Calibration	
Condition number	**Condition**
(A5)	All instruments and devices used for the measurement or monitoring of any parameter under any condition of this development approval must be calibrated, and appropriately operated and maintained.

Agency interest: Integrated Environmental Management System (IEMS)	
Condition number	**Condition**
(A6)	Within twelve (12) months of the effective date of this licence, the holder of this environmental authority must develop, implement and maintain an Integrated Environmental Management System (IEMS) which provides for the effective and appropriate management by the holder of this environmental authority of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.
(A7)	The IEMS must provide for at least the following functions: i. The monitoring of releases of contaminants into the environment, for example measurement of the quantities and concentrations of releases of contaminants to the environment as required under this environmental authority; and

	ii. The assessment of the environmental impacts of any releases of contaminants into the environment, for example any background environmental quality monitoring (eg: water and complaints monitoring), required under this environmental authority; and iii. The training of all relevant staff, agents and contractors ("staff') to competent levels in at least the following: a) The environmental policy of the holder of this environmental authority so that staff are aware of any relevant commitments to environmental management; and b) Any relevant environmental objectives and targets so that all staff are aware of the relevant performance objectives and can work towards these; and c) Control procedures for routine operations for day to day operational activities to prevent or minimise environmental harm, however occasioned or caused; and d) Contingency plans and emergency procedures for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and e) Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and f) Effective communication to ensure two-way communication on environmental matters between operational staff and management, as well as communications with the administering authority; and g) Documentation systems so that appropriate records of environmental matters are kept to satisfy the holder of this environmental authority, the administering authority, and the community that the applicant is meeting environmental commitments; and h) Responsibilities of the holder of this environmental authority and staff under the Act so that these can be met; and iv. The conduct of water, environmental and energy audits to review periodically; a) the level of environmental performance; and b) the effectiveness of environmental management procedures adopted; and c) efficiency in using energy and resources and opportunities for more efficient usage; and v. The implementation of effective and appropriate practices and procedures for waste prevention, treatment and disposal (including implementation of any waste management plans or waste audits required for particular sites and/or activities under specific conditions of this environmental authority); and vi. A program of continuous improvement based on the findings of the water, environmental and energy audits; and vii. Reporting arrangements on the effectiveness of the environmental management of the activities
(A8)	The holder of this environmental authority must lodge with the administering authority a brief report summarising the progress in developing and implementing the IEMS on or before six (6) months from the date the licence takes effect and at three (3) monthly intervals thereafter until implemented.
(A9)	The conduct of water, environmental and energy audits required by condition A7(iv) must be carried out as often as necessary but not less frequently than the frequency specified below: i. the level of environmental performance: annually; ii. the effectiveness of environmental management procedures adopted: once every two (2) years;

	iii. efficiency in using energy and resources and opportunities for more efficient usage: within two (2) years of the granting of this environmental authority and then not less than once every five (5) years.
(A10)	The holder of this environmental authority must prepare a report summarising the outcomes of the water, environmental and energy audits required by condition A7(iv) and submit the report within six (6) weeks of conducting the audits.
(A11)	(A11) An up-to-date copy of the IEMS must be kept at the licensed place(s), or if such is not practicable, at a place readily accessible to personnel that are carrying out the environmentally relevant activity, and be available for examination by an authorised person on request.

Agency interest: Display of Development Approval	
Condition number	**Condition**
(A12)	The **activity** under this environmental authority must be conducted within the bounds and specifications of the following approved plans: a. **Appendix A - Figure 1: Effluent Release Sampling and In-situ Monitoring Points.**

Schedule B - Air

Agency interest: Noxious or Offensive Odour	
Condition number	**Condition**
(B1)	Notwithstanding any other condition of this development approval, no release of contaminants from the approved place(s) is to cause a noxious or offensive odour beyond the boundaries of the approved place(s).

Agency interest: Dust and Particulate Emissions - General	
Condition number	**Condition**
(B2)	Dust or particulate matter that will have or is likely to have an adverse effect on people living in or using the surrounding area must not be permitted to emanate beyond the boundaries of the approved place(s).

Schedule C - Water

Agency interest: Release of Contaminants to Waters	
Condition number	**Condition**
(C1)	Contaminants must not be directly or indirectly released from the approved place to any waters of the bed and banks of any waters except: (i) as permitted under the water schedule; or (ii) as permitted under the stormwater management schedule; or (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
(C2)	The only contaminant permitted to be released from the approved place(s) is aquaculture effluent from the ponds and/or tanks used for cultivating or holding marine, estuarine or freshwater organisms.

Agency interest: Release Point(s)	
Condition number	**Condition**
(C3)	Contaminants must not be directly or indirectly released from any source on the approved place to any waters at any location other than the contaminants and sources at the locations specified in Schedule C -Table 1 and labelled on the maps for the approved place in Appendix A.
(C4)	The release of contaminants to waters from the release points specified in condition C3 and labelled on the maps for the approved place in Appendix A, must be carried out at non-erosive velocities and must not disturb marine or riparian vegetation, the bed and banks of the waterway or the habitat in general.

Agency interest: Quantity of Contaminants Released to Waters	
Condition number	**Condition**
(C5)	The total quantity of contaminants released from the release points specified in condition C3 must not exceed those specified in Schedule C - Table 1.

Schedule C - Table 1 - Bribie Island Aquaculture Research Centre

Release Point	Release Point Description	Total Quantity
W4	Discharge from the ponds and tanks via a discharge line 60 metres seaward of the lowest astronomical tide to waters described as Skirmish Passage, South	1,620 m^3 in any day

Agency interest: Quality of Contaminants Released to Waters

Condition number	Condition
(C6)	The release of contaminants to waters must comply, at the sampling and in situ monitoring point(s) specified in Schedule H, with each of the release limits specified in Schedule C - Table 2 for each quality characteristic.

Schedule C - Table 2 - Bribie Island Aquaculture Research Centre

Quality Characteristic	Release Point	Release Limit	Limit Type
pH	W4	6.5 to 9.0 pH units	range
Dissolved Oxygen	W4	4.0 mg/L	minimum
Suspended Solids	W4	40 mg/L	80th percentile
	W4	50 mg/L	maximum
Total Nitrogen (as nitrogen)	W4	0.8 mg/L	80th percentile
	W4	1.0 mg/L	maximum
Total Phosphorus	W4	0.4 mg/L	80th percentile
	W4	0.5 mg/L	maximum
Chlorophyll a	W4	20 µg/L	80th percentile
	W4	40 µg/L	maximum

(C7) Notwithstanding the quality characteristic limits specified in Schedule C – Table 2 the release of contaminants to waters must comply with the following qualitative characteristics:

i) The release must not produce any plume or other visible evidence of the release of suspended solids or other contaminants which adversely affects the values of the receiving environment; and

ii) The release must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter; and

iii) The release must not have any properties nor contain any organisms or other contaminants which, are capable of causing environmental harm or an environmental nuisance.

Agency interest: Times of Releases	
Condition number	**Condition**
(C8)	Where practicable, the release of contaminants from release points W4 must only occur from local high water until two (2) hours before local low water.

Schedule D – Stormwater Management

Agency interest: Contaminant Releases Caused by Rainfall	
Condition number	**Condition**
(D1)	Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this development approval, the environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminated run-off from the approved place to any stormwater drain or waters or the bed or banks of any such waters. *"Contaminated run-off" for the purposes of this condition means stormwater and/or stormwater run-off that contains contaminants that may cause environmental harm.*

Agency interest: Maintenance and Clean-up	
Condition number	**Condition**
(D2)	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 external stormwater drainage system.
(D3)	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillage's must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or materials to any external stormwater drainage system, roadside gutter or waters.

Agency interest: Pond Construction	
Condition number	**Condition**
(D4)	The holder of this development approval must ensure that all aquaculture and settlement ponds have a permeability of not more than 0.1 mm/day.
(D5)	All ponds used for cultivating or holding marine, estuarine or freshwater organisms must be installed and maintained to be structurally stable.
(D6)	Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater run-off from any detention systems used for the storage or treatment of contaminants or wastes.
(D7)	All ponds used for cultivating or holding marine, estuarine or freshwater organisms must be installed and maintained so that a freeboard of not less than 0.3 metres is maintained at all times.
(D8)	Following rainfall which reduces the freeboard of all ponds used for cultivating or holding marine, estuarine or freshwater organisms to less than that described in condition D7, the holder of this development approval must reinstate the freeboard as soon as practicable.

Agency interest: Bunding	
Condition number	**Condition**
(D9)	All chemical tank and/or fuel tank storage's must be bunded so that the capacity of the bund is sufficient to contain at least one hundred and ten percent (110%) of a tank in a single tank bund and/or one hundred percent (100%) of the largest storage tank plus ten percent (10%) of the second largest tank in a multiple tank bund.
(D10)	All chemical drum and/or fuel drum storage's must be bunded so that the capacity of the bund is sufficient to contain at least twenty five percent (25%) of the maximum design storage volume within the bund.
(D11)	All bunding must be constructed and maintained so as to be sufficiently impervious to allow retention and recovery of any materials being stored within the bund.
(D12)	All bunded areas used for chemical storage must be roofed where practicable.

(D13)	Where it is impractical to completely roof a bunded area the holder of this development approval must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
(D14)	All required pipe work from the bunded areas must be directed over the bund wall and not through it.
(D15)	Where a collection sump and outlet are provided to facilitate removal of liquid collected within the bunded area, that outlet must be kept closed and locked at all times except when removal of clean uncontaminated stormwater is carried out.
(D16)	All empty drums must be stored on a concrete hardstand with their closures in place.
(D17)	Where vehicle access to a bunded area is required, the access must be by way of a roll-over bund.

Schedule E – Land Application

Agency interest: Release of Contaminants to Land	
Condition number	**Condition**
(E1)	Except as otherwise provided by the conditions of the land schedule of this development approval, the environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land.
(E2)	The only contaminants that are permitted to be released to land on the approved place are aquaculture wastewaters and aquaculture pond sludges, which must not be released to land within twenty (20) metres of any waters.

Agency interest: Quality of Contaminants Released to Land	
Condition number	**Condition**
(E3)	Any aquaculture pond sludge disposed of on the approved place must be evenly dispersed to allow for absorption into the land.
(E4)	Diversion drains, appropriate grades or equivalent must be installed to ensure surface waters from sludge disposal areas, including operational or trafficable areas, are diverted away from waters.

(E5)	Notwithstanding any other condition of this development approval, the contaminants released to land must not have any properties nor contain any organisms or contaminants in concentrations that are capable of causing environmental harm.

Agency interest: Provision of Effluent to Other Person(s)	
Condition number	**Condition**
(E6)	If the holder of this development approval gives or transfers responsibility of aquaculture effluent to another person(s), the holder of this development approval must: i) prior to giving such effluent or transferring responsibility of such effluent to that person(s), obtain from that person(s) details of how that person(s) intends to comply with the general environmental duty provided for by Section 319 of the Act in respect of the use and disposal of such effluent, particularly in relation to environmental sustainability of any effluent disposal, protection of public health and protection of environmental values of waters; and ii) only give or transfer responsibility of such effluent in accordance with a written agreement between the holder of this development approval and that person(s) which clearly defines responsibilities for management, maintenance, monitoring and contingency plans; and iii) upon becoming aware that the person(s) is not or is not likely to comply with the general environmental duty provided by Section 319 of the Act, cease the giving or transferring responsibility of such effluent, as the case may be.
(E7)	The holder of this development approval must keep a copy of all agreements entered into to give or transfer responsibility of aquaculture effluent and must: a) provide a copy of the agreement to the administering authority within thirty (30) days of the agreement taking effect; and b) advise the administering authority in writing of rescission of any agreement within thirty (30) days of such rescission.

Schedule F – Noise

Agency interest: Emission of Noise	
Condition number	**Condition**
(F1)	In the event of a complaint about noise that constitutes intrusive noise being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then

<table>
<tr><td></td><td>the emission of noise from the approved place must not result in levels greater than those specified in Schedule F Table 1.

SCHEDULE F - TABLE 1

<table>
<tr><th>NOISE LIMITS</th><th>AT A NOISE SENSITIVE PLACE</th></tr>
<tr><td>Period</td><td>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level
LAmax adj, T</td></tr>
<tr><td>7 am - 6 pm</td><td>Background noise level plus 5 dB(A)</td></tr>
<tr><td>6 pm - 10 pm</td><td>Background noise level plus 5 dB(A)</td></tr>
<tr><td>10 pm - 7 am</td><td>Background noise level plus 3 dB(A)</td></tr>
<tr><th>NOISE</th><th>LIMITS AT A COMMERCIAL PLACE</th></tr>
<tr><td>Period</td><td>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level
LAmax adj, T</td></tr>
<tr><td>7am - 6 pm</td><td>Background noise level plus 10 dB(A)</td></tr>
<tr><td>6 pm - 10 pm</td><td>Background noise level plus 10 dB(A)</td></tr>
<tr><td>10 pm - 7 am</td><td>Background noise level plus 8 dB(A)</td></tr>
</table>
</td></tr>
<tr><td>(F2)</td><td>The absolute maximum instantaneous sound pressure level, when measured at a noise sensitive or commercial place, Max L_{pA} T, must not exceed 75 dB(A).</td></tr>
<tr><td>(F3)</td><td>Methods used to deter birdlife and other native fauna considered pests or competitors shall not include scare guns or firearms.</td></tr>
</table>

Schedule G – Waste Management

Agency interest: General	
Condition number	**Condition**
(G1)	Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this development approval.
(G2)	The holder of this development approval must not: i) allow waste to burn or be burnt at or on the premises to which this development approval relates; nor

	ii) remove waste from the premises to which this development approval relates and burn such waste elsewhere other than an appropriate waste disposal facility that can lawfully burn such waste.
(G3)	Where practicable, area(s) must be set aside for the segregation and storage of recyclable solid wastes.
(G4)	Where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream.

Agency interest: On-site Waste Disposal	
Condition number	**Condition**
(G5)	The holder of this development approval must keep and maintain records for all waste disposed on the premises, including aquaculture pond sludge other than that sludge which is used in the maintenance of ponds. The records must include the following information: i) date of disposal of the material; ii) description of the material; iii) quantity of the material; iv) the location where the material is disposed; and v) the method used to dispose the material.

Agency interest: Disease Management	
Condition number	**Condition**
(G6)	The holder of this development approval must notify the administering authority of any disease outbreak requiring treatment and/or drainage of pond and/or tank contents.
(G7)	The holder of this development approval must keep and maintain records of all disease outbreaks at the premises. The records must include the following information: i) date of first identifying the outbreak; ii) description of the outbreak; iii) method of treatment of the outbreak; iv) method of disposal of any diseased material;

	v) quantity of disposed of material; and vi) the location where the material was disposed.

Schedule H – Self Monitoring and Reporting

Agency interest: Complaint Recording	
Condition number	**Condition**
(H1)	All complaints received by the holder of this development approval relating to operations at the approved places(s) must be recorded in a log book with the following details: 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.

Agency interest: Incident Recording	
Condition number	**Condition**
(H2)	A record must be maintained of events including but not limited to: i) the time, date and duration of equipment malfunctions that may affect the environmental performance of the approved place; ii) the hours of operation of the plant; iii) the time and date of any discharge associated with, or related to an incident; and iv) any remedial actions undertaken

Agency interest: Notification of Emergencies and Incidents	
Condition number	**Condition**
(H3)	Where the holder of this development approval has not given notification to the administering authority under Section 320 of the Act, 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 development approval, the holder of this development approval must notify the administering authority of the release by telephone or facsimile.
(H4)	Where the holder of this development approval has not given notification to the administering authority under Section 320 the Act, the notification of emergencies or incidents as required by condition H3 must include but not be limited to the following: i) the holder of the development approval; ii) the location of the emergency or incident; iii) the number of the development approval; iv) the name and telephone number of the designated contact person; v) the time of the release; vi) the time the holder of the development approval became aware of the release; vii) the suspected cause of the release; viii) the environmental harm causes, threatened, or suspected to be caused by the release; and ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.
(H5)	Where the holder of this development approval has not given notification to the administering authority under Section 320 of the Act, not more than fourteen (14) days following the initial notification of an emergency or incident, the holder of the development approval must provide written advice of the information supplied I accordance with development condition H4 in addition to: 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 iii) the results of any environmental monitoring performed.
(H6)	As soon as practicable, but not more than six (6) weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident, the holder of this development approval must provide written advice of the results of any such monitoring performed.

Agency interest: Sampling and In-situ Monitoring Points	
Condition number	**Condition**
(H7)	Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in condition C6 must be undertaken at the sampling and in situ measurement point(s) described as: Bribie Island Aquaculture Research Centre Sampling point SB1 - waste well as labelled on the map in Appendix A — Figure 1 titled 'Effluent Release and Sampling and In-situ Monitoring Points'

Agency interest: Monitoring of Contaminant Releases to Waters	
Condition number	**Condition**
(H8)	The holder of this development approval is responsible for the making of determinations of the quality of the contaminants released to waters from the approved place for the release points, quality characteristics, and at the frequency specified in Schedule H - Table 1.
(H9)	All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Environmental Protection Agency Water Quality Sampling Manual,

Schedule H - Table 1 - Bribie Island Aquaculture Research Centre

QUALITY CHARACTERISTIC DETERMINTION	SAMPLING METHOD	SAMPLING AND IN-SITU MONITORING POINT(S)	FREQUENCY OF SAMPLING
pH	In flow sample	SB1	Three representative samples taken monthly whilst discharging
Dissolved Oxygen (mg/L)	Inflow sample	SB1	Three representative samples taken monthly whilst discharging
Suspended Solids	Grab sample	SB1	Monthly whilst discharging
Total Nitrogen (mg/L)	Grab sample	SB1	Monthly whilst discharging
Total Phosphorus as P (mg/L)	Grab sample	SB1	Monthly whilst discharging
Chlorophyll a (µg/L)	Grab sample	SB1	Monthly whilst discharging

	Third Edition, December 1999, or more recent editions or supplements to that document as such become available.
(H10)	All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
(H11)	Records must be kept of the results of all determinations of the quality of contaminants released to waters.

Agency interest: Monitoring of Volume of Releases to Waters	
Condition number	**Condition**
(H12)	The daily quantity of contaminants released to waters from the release points specified in Schedule C -Table 1 must be determined by an appropriate method (eg. a flow meter).

Agency interest: Noise Monitoring	
Condition number	**Condition**
(H13)	The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual, Second Edition, March 1995, or more recent additions or supplements to that document as become available.
(H14)	A person or body possessing appropriate experience and qualifications to perform the required measurements must undertake the measurement and reporting of noise levels.

Agency interest: Report Submission	
Condition number	**Condition**
(H15)	The holder of this development approval must ensure that the results of all monitoring performed in accordance with this development approval for the period covered by the return are submitted with the Annual Return.

(H16)	Contaminant release quality pertaining to the yearly period, compiled, collected or recorded in accordance with condition H8 must be presented: i) in a tabular format, showing: ii) date and times sampled; iii) all raw data; iv) any exceedance of levels of all parameters specified in Schedule C – Table 2; and v) maximum and minimum values for parameters specified in Schedule C – Table 2; and vi) graphically showing raw data vs. time.

Agency interest: Exception Reporting	
Condition number	**Condition**
(H17)	The holder of this development approval must notify the administering authority in writing of any monitoring result that indicates an exceedence of any limit within twenty eight (28) days of completion of analysis.
(H18)	The written notification required by condition H17 above must include: i) the full analysis results; ii) details of investigation or corrective actions taken; and iii) details any subsequent analysis.

Schedule I - Definitions

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

For the purposes of this development approval the following definitions apply:

(I1) "Act" means the *Environmental Protection Act 1994.*

(I2) "administering authority" means the Department of Environment and Heritage Protection or its successor.

(I3) "AMTD" means Adopted Middle Thread Distance as per the Queensland Water Resources Commission publication entitled "Atlas of AMTD Maps, January 1984".

(I4) "aquaculture sludge" means the solids or sludges which accumulate or deposit on the bottom of a pond and/or tank as a result of cultivating or holding marine, estuarine or freshwater organisms.

(I5) "authorised person" means a person holding office as an authorised person under an appointment under this Act by the chief executive or chief executive officer of a local government.

(I6) "background noise level" means either:

i) $L_{A90,\,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than fifteen (15) minutes, using Fast response, or

ii) $L_{Abg,\,T}$ being the arithmetic average of the minimum A-weighted sound pressure level readings measured in the absence of the noise under investigation during a representative time period of not less than fifteen (15) minutes, using Fast response.

(I7) "commercial place" means a place used as an office or for business or commercial purposes

(I8) "disease" means a disease or notifiable event that is listed on a Declared Disease List prepared by the Department of Primary Industries under the *Fisheries Act 1994.*

(I9) "dwelling" means any of the following structures or vehicles that is principally used as a residence -

i) a house, unit, motel, nursing home or other building or part of a building;

ii) a caravan, mobile home or other vehicle or structure on land;

iii) a watercraft in a marina.

(I10) "80th percentile" 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 consecutive samples where the time interval between the taking of each consecutive sample is not less than three (3) days.

(I11) "grab sample" means a single instantaneous sample which is collected in a manner that ensures that it is a representative sample.

(I12) "inflow sample" means an instantaneous readout from an electronic probe immersed in the flow of liquid, at a location that is representative of the characteristics of the flow.

(I13) "intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

i) is clearly audible to, or can be felt by, an individual; and

ii) annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be had to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations or supplements to that document as such become available.

(I14) "land" means land excluding waters and the atmosphere.

(I15) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I16) "mg/L" means milligrams per litre.

(I17) "µg/L" means micrograms per litre.

(I18) "$L_{Amax\ adj,\ T}$" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than fifteen (15) minutes, using Fast response.

(I19) "Max $L_{pA,\ T}$" means the maximum A-weighted sound pressure level measured over a time period of not less than fifteen (15) minutes, using Fast response.

(I20) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I21) "noise sensitive place" means:

i) a dwelling, mobile home or caravan park, or other residential premises; or

ii) a motel, hotel or hostel; or

iii) a kindergarten, school, university or other educational institution; or

iv) a medical centre or hospital; or

v) a protected area; or

vi) a park or gardens.

(I22) "noxious" means harmful or injurious to health or physical well being.

(I23) "offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

(I24) "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.

(I25) "regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 1998* (whether or not it has been treated or immobilised), and includes-

i) for an element - any chemical compound containing the element; and

ii) anything that has contained a regulated waste.

(I26) "Total Nitrogen" means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.

(I27) "Total Phosphorus" means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

(I28) "waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non tidal or tidal waters, (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off and any underground water, any part thereof.

End of Conditions for Schedule I

END OF PERMIT

Appendix A – Plan of Development. Revised drawings include new infrastructure to accommodate CSIRO Marine Research

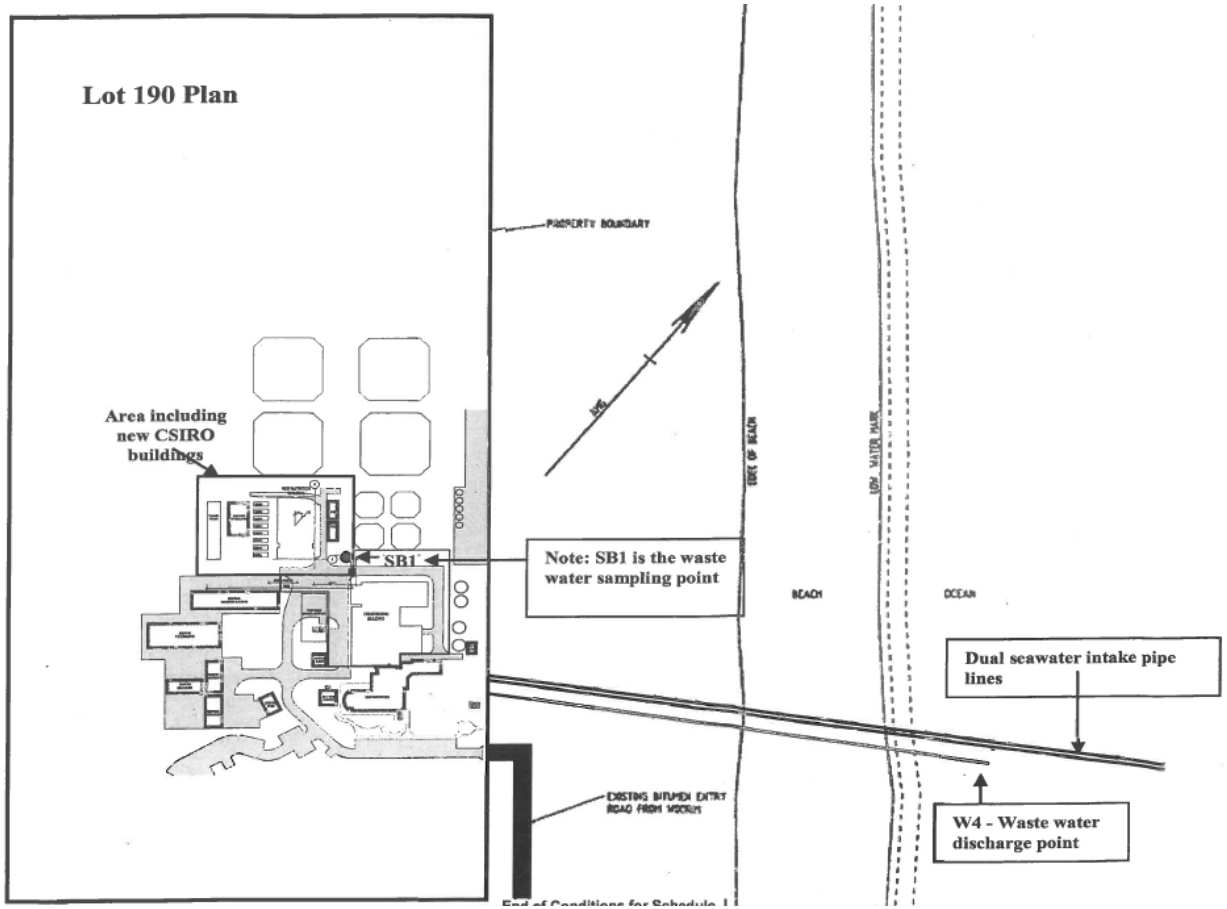


Figure 1: Effluent Release Sampling and In-situ Monitoring Points