Notice of Decision – Partial Surrender Application

This notice is issued by the administering authority to advise of a statutory decision made under section of the Environmental Protection Act 1994.

Department of Agriculture Fisheries & Forestry
Attn: David Loosemore
GPO Box 46
BRISBANE QLD 4001

C/c David McBurnie
david.mcburnie@hpw.qld.gov.au
Michael Cosgrove
michael.cosgrove@daff.qld.gov.au

Our Reference: 254900

Re: Partial surrender of environmental authority EPPR00685213

The department has assessed the application received on 06-JUN-2014 to surrender part of environmental authority EPPR00685213 and advises that the application has been Granted.

Deception Bay Southern Fisheries Centre	**13-19 Beach Road Deception Bay**	**Lot 1 AP5186**

If you require more information please contact Denise Henderson on 5316 8402.

Matt Karle
Delegate
Department of Environment and Heritage Protection
10-JUN-2014

Enquiries:
Environmental Services East - Moreton Bay
Department of Environment and Heritage Protection
PO Box 1080
CABOOLTURE QLD 4510
Phone: 5316 8402

Department of Environment and Heritage Protection
www.ehp.qld.gov.au ABN 46 640 294 485

Queensland Government

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00144105

This registration certificate is issued by the administering authority and takes effect from: 06-MAR-2012.

The anniversary day for the purposes of the Annual Return is 8 November.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following places; to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-
Department of Employment, Economic Development and Innovation (DEEDI)
Level 7
80 Ann Street, BRISBANE QLD 4000

Development Approval: ENDC00143505
Place:-
Lot 1 Plan PER6347, Lot 190 Plan CG805819
Located at:-
144 North Street,BRIBIE ISLAND QLD 4507
Registered Activity/ies: -
ERA 1 Aquaculture Threshold 1(a) - cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100m2 to 10ha
ERA 1 Aquaculture Threshold 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 100m2 to 10ha

Development Approval: ENDC00143605
Place:-
Lot 1 Plan SP173449, Lot 149 Plan SL9365
Located at:-
Beach Road,DECEPTION BAY QLD 4508
Registered Activity/ies: -
ERA 1 Aquaculture Threshold 1(a) - cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100m2 to 10ha

Delegate
Department of Environment and Resource Management
Environmental Protection Act 1994

06-MAR-2012

Department of Environment and Resource Management
www.derm.qld.gov.au ABN 46 640 294 485

Queensland Government

SCHEDULE J – PLAN OF DEVELOPMENT
Bribie Island Aquaculture Research Centre

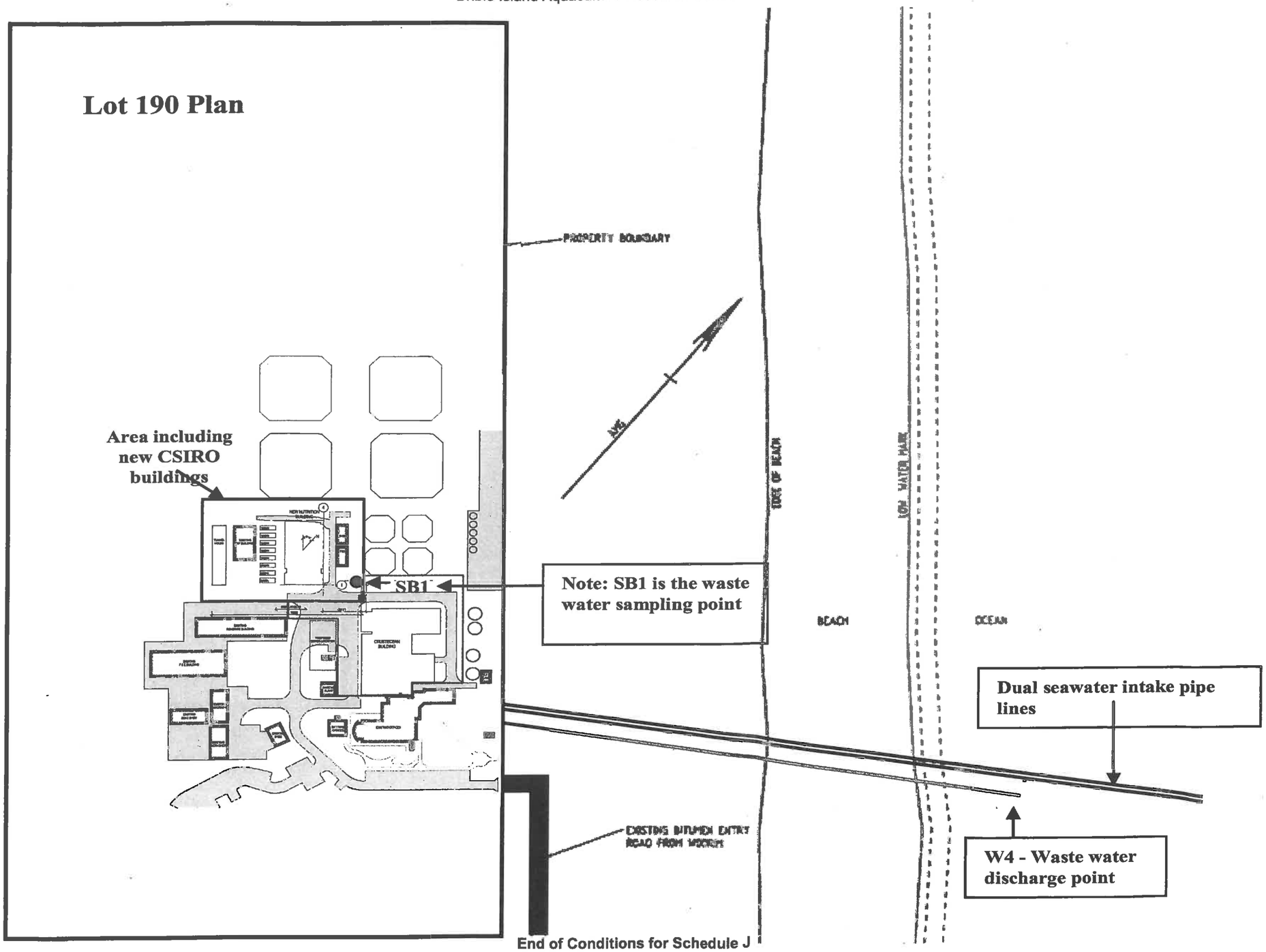


Figure 1: Effluent Release Sampling and In-situ Monitoring Points

End of Conditions for Schedule J

END OF CONDITIONS

Notice

Change to a development approval

This notice is issued by the responsible entity pursuant to s. 376 of the Sustainable Planning Act 2009.

Research Facility Manager
Agri-Science Queensland
Department of Agriculture, Fisheries and Forestry
PO Box 2066
WOORIM QLD 4507

Attention: Michael Cosgrove

Our reference: 254829

Re: Request to change a development approval

1. The Chief Executive, Department of Environment and Heritage Protection as assessment manager received a request to change a development approval on 14 June 2012.

2. **Details of the development approval for the original application**

Applicant:	Department of Agriculture, Fisheries and Forestry
Assessment Manager ref:	254829 / STH339
Date original application made:	26 August 2006
Development approval applied for:	Development permit

Aspect(s) of development:

Assessable Development		Responsible Entity Reference
Material change of use of premises – For an environmentally relevant activity	Sustainable Planning Regulation 2009 - Schedule 3, Part 1, Table 2, item 1	EHP ref. no. - 254829 EHP Permit No. SPDE04370112

Property/Location description(s): Lot 190 on CG805819; Lots 1 and 2 on SP248827
Bribie Island Aquaculture Research Centre
144 North Street, Woorim, Bribie Island

Date of decision for the original application and development approval: 26 September 2006

3. The decision for the request to change a development approval made on 7 August 2012 is to approve the request, without conditions.

4. If the request is approved, attached is a copy of the amended decision notice for the original application. The approved changes are as follows:

   (i) Removal of Lot 1 on PER6347, Parish of Woorim, County of Canning from the Development Description.

   (ii) Schedule J – Plan of Development. Revised drawings include new infrastructure to accommodate CSIRO Marine Research

5. If this notice is given to the person who made the request, or to an entity that gave the responsible entity either a notice under s. 373 of the *Sustainable Planning Act 2009* or a notice under section 368 (pre-request response notice), or if this notice is given by the responsible entity as a concurrence agency and the concurrence agency's decision is to refuse the request or approve the request on conditions, such person or entity may appeal against the decision and the attached extract from the *Sustainable Planning Act 2009* states how the person or entity may appeal.

Delegate
John Harden
Chief Executive
Department of Environment and Heritage Protection

9 August 2012

Enquiries
Jenny Clarke
Department of Environment and Heritage Protection
Caboolture Business Centre
Level 4, 33 King Street
Caboolture QLD 4510
Phone: 5433 7766
Fax: 5433 7762
Email: jenny.clarke@ehp.qld.gov.au

Attachment(s)

Attachment 1: Permit no# **SPDE04370112**

Queensland Government

Sustainable Planning Act 2009

Permit [1] number: SPDE04370112 (supersedes ENDC00143505)

Assessment manager reference:	254829
Date application received:	14 June 2012
Permit type:	Development Approval for a MCU involving ERA - Amended
Date of decision:	7 August 2012
Decision:	The application is approved subject to conditions, and the assessment manager's conditions are stated in this permit.
Relevant laws and policies:	*Environmental Protection Act 1994* and any subordinate legislation
Jurisdiction(s):	Material change of use of premises – For an environmentally relevant activity prescribed by Schedule 3, Part 1, Table 2, item 1 of the *Sustainable Planning Regulation 2009*.

Development Description(s)

Property/Location		Development
Bribie Island Aquaculture Research Centre 144 North Street WOORIM BRIBIE ISLAND QLD 4507	Lot 190 on CG805819	ERA 1, 1(a) – cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100m^2 to 10 ha. ERA 1, 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 100m^2 to 10ha.

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Heritage Protection.

Additional comments or advice about the application

Allocation of quarry material below high water mark granted under *Coastal Protection and Management Act 1995,* permit number **ENAQ00571906.**

Reason(s) for inclusion of conditions

In accordance with section 289 of the *Sustainable Planning Act 2009*, the reason(s) for inclusion of conditions stated in this permit required by the concurrence agency response for the application are as follows:

(1) Any development conditions placed on this permit[1] for an environmentally relevant activity are in accordance with section 73B of the *Environmental Protection Act 1994.*

Contaminated Land

It is a requirement of the *Environmental Protection Act 1994* that if an owner or occupier of land becomes aware a Notifiable Activity (as defined by Schedule 2 of the *Environmental Protection Act 1994*) is being carried out on the land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming so aware, give notice to the Environmental Protection Agency.

Environmentally Relevant Activities

The aforementioned description of any environmentally relevant activity (ERA) for which this permit is issued is simply a restatement of the ERA as prescribed in the legislation at the time of issuing this permit. Where there is any conflict between the abovementioned description of the ERA for which this permit is issued and the conditions specified herein as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This permit authorises the ERA. It does not authorise environmental harm unless a condition within this permit explicitly authorises that harm. Where there is no such condition, or the permit is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

In addition to this permit, the person to carry out the ERA must be a registered operator under the *Environmental Protection Act 1994*. For the person to become a registered operator, they **must apply for a registration certificate** under section 73F of the *Environmental Protection Act 1994.*

This approval does not remove the need to obtain any further approval for this development, which may be required pursuant to this or other legislation, both State and Commonwealth. Applicants are advised to check with all relevant statutory authorities for such approvals as may be required.

John Harden
Delegate
Chief Executive
Department of Environment and Heritage Protection

9 August 2012

CONDITIONS

SCHEDULE A - GENERAL CONDITIONS

Display of Development approval

(A1) A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Records

(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.

Alterations

(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.

Calibration

(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.

Integrated Environmental Management System (IEMS)

(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) 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.

End of Conditions for Schedule A

SCHEDULE B - AIR

Noxious or Offensive Odour

(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).

Dust and Particulate Emissions – General

(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).

End of Conditions for Schedule B

SCHEDULE C - WATER

Release of Contaminants to Waters

(C1) Contaminants must not be directly or indirectly released from the approved place to any waters or 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.

Release Point(s)

(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 Schedule J.

(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 Schedule J, 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.

Quantity of Contaminants Released to Waters

(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 Pacific Ocean.	1,620 m^3 in any day

Quality of Contaminants Released to Waters

(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.

Times of Releases

(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.

End of Conditions for Schedule C

SCHEDULE D - STORMWATER MANAGEMENT

Contaminant Releases Caused by Rainfall

(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.

Maintenance and Clean-up

(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.

Pond Construction

(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.

Bunding

(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.

End of Conditions for Schedule D

SCHEDULE E - LAND APPLICATION

Release of Contaminants to Land

(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.

Quality of Contaminants Released to Land

(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.

Provision of Effluent to Other Person(s)

(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.

End of Conditions for Schedule E

SCHEDULE F - NOISE

Emission of Noise

(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 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

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	***Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level*** $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 5 dB(A)
6 pm - 10 pm	Background noise level plus 5 dB(A)
10 pm - 7 am	Background noise level plus 3 dB(A)
NOISE LIMITS AT A COMMERCIAL PLACE	
Period	***Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level*** $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 10 dB(A)
6 pm - 10 pm	Background noise level plus 10 dB(A)
10 pm - 7 am	Background noise level plus 8 dB(A)

(F2) 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).

(F3) Methods used to deter birdlife and other native fauna considered pests or competitors shall not include scare guns or firearms.

End of Conditions for Schedule F

SCHEDULE G - WASTE MANAGEMENT

General

(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.

On site Waste Disposal

(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.

Disease Management

(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.

End of Conditions for Schedule G

SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the holder of this development approval relating to operations at the approved place(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.

Incident Recording

(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

Notification of Emergencies and Incidents

(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 caused, 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 in 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.

Sampling and In-situ Monitoring Points

(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 Schedule J – Figure 1 titled 'Effluent Release and Sampling and In-situ Monitoring Points'.

Monitoring of Contaminant Releases to Waters

(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.

Schedule H - Table 1 - Bribie Island Aquaculture Research Centre

QUALITY CHARACTERISTIC DETERMINATION	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 (mg/L)	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

(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, 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.

Monitoring of Volume of Releases to Waters

(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).

Noise Monitoring

(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.

Report Submission

(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.

Exception Reporting

(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.

End of Conditions for Schedule H

SCHEDULE I - DEFINITIONS

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