



Enquiries Chris Mooney
Telephone (07) 3225 1069
Your reference
Our reference 241296

CSIRO Australia
Technology Court
PULLENVALE QLD 4069

Dear Sir Madam

Re: Annual Return Registration Certificate ENRE00751508

Due to an administration error, the annual notice for Registration Certificate ENRE00751508 was not sent to your company twenty business days prior to the anniversary day of 25 May 2009 as required by section 316 of the *Environmental Protection Act 1994* (the Act).

The Act makes no provision for an administrative error on the part of the administering authority and is therefore ambiguous on the effect of a failure to provide the annual notice as required by section 316. In these circumstances the Department of Environment and Resource Management, as the administering authority, interprets section 316 to allow service of the annual notice after the anniversary date provided the necessary time lines in the section are complied with. In addition to best achieving the purpose of the Act, this interpretation avoids injustice, anomaly and contradiction.

Therefore this correspondence is to be taken as the annual notice for Registration Certificate ENRE00751508 in accordance with section 316 and the time periods mentioned in that section will apply.

The registered operator is required, prior to 24 July 2009, to:-

- (a) give to the administering authority an annual return in the approved form (attached);
- (b) pay to the administering authority the appropriate annual fee; and
- (c) complete the Certification of Assigned Environmentally Relevant Activities and return to the administering authority.

If you have any questions on this matter please contact Chris Mooney on (07) 3225 1069.

Yours sincerely

CTPI 49-Sch4

Shari Murphy
Manager (Brisbane City North)
Brisbane North region
Environmental Services
Department of Environment and Resource Management

25 June 2009

Enclosures:

1. Update for Operators
2. Annual notice
3. Annual return for Registration Certificate
4. Certification of Assigned Environmentally Relevant Activities

15th Floor, 288 Edward St Brisbane
Queensland 4000 Australia
GPO Box 2771 Brisbane
Queensland 4001 Australia
Telephone (07) 3225 1069
Facsimile (07) 3225 8723
Website www.derm.qld.gov.au
ABN 87 221 158 786

Notice of annual return

This notice is issued by the Department of Environment and Resource Management pursuant to Section 316 of the Environmental Protection Act 1994 to inform of a statutory requirement.

CSIRO Australia
Technology Court
PULLENVALE QLD 4069

Our reference: 241296

Dear Sir/Madam

Re: Annual Fee and Return

Permit ¹ Number	Permit ¹ Type	Activity	Location
ENRE00751508	Registration Certificate	ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP	Lot 3 on Plan RP179582, Technology Court, PULLENVALE QLD 4069 Lot 6 on Plan RP110916, Technology Court, PULLENVALE QLD 4069

The period covered by the current annual fee expires on 25-MAY-2009. The annual fee for the above permit is now due and payable.

In order to maintain your permit you must:

- pay the annual fee of \$10,600.00, unless you are eligible to pay a reduced annual fee (see Sections 121-133 of the Environmental Protection Regulation 2008).

This fee may be paid in two instalments for this year only. The first instalment of \$1500 is due by 24-JUL-2009 (please refer to attached cover letter).

The second instalment of \$9100 is due by 24-Jan-2010.

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

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



(These fees are included in the Federal Treasurer's Determination under Division 81 of A New Tax System (Goods and Services Tax) Act 1999. As such, the supplies are exempt from GST and there is no requirement to issue a Tax Invoice); and

- complete and return the attached 'Annual Return' form.

Please forward the first instalment of the annual fee and the completed 'Annual Return' form to the Ecoaccess Customer Service Unit at the address shown below by 24-JUL-2009. Failure to pay the annual fee in full, by the 24-JAN-2010, will result in:

- a late fee of \$100.00 being payable; and may result in
- suspension or cancellation of the permit.

If you require more information, please contact the Ecoaccess Customer Service Unit on the telephone number listed below.

Yours sincerely

Delegate
Environmental Protection Act 1994

24-JUN-2009

Enquiries:

Ecoaccess Customer Service Unit
PO Box 15155
CITY EAST QLD 4002
160 Ann Street
BRISBANE QLD 4000
Phone: 1300 368 326
Fax: 07 3115 9600

Attachment – 'Annual Return' form

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Department of Environment
and Resource Management

Annual Return

Environmental Protection Act 1994

Registration Certificate

OFFICIAL USE ONLY
DATE RECEIVED:

FILE REF:

PROJECT REF:

241 296

COMPLETE FORM:



ADMINISTERING REGION:

LANDCENTRE

ENTERED BY (SIGNATURE):

NN

DATE:

5.16.2012

Important information for holders of a Registration Certificate

This form must be completed and submitted to the administering authority each year by the holder of a Registration Certificate and submitted with the appropriate payment under the *Environmental Protection Act 1994*.

For help in completing this form please refer to the **Guidance Notes** on the left of each page or if you have any questions about this annual return or any supporting information required please contact Permit and Licence Management on 1300 130 372.

The completed Annual Return is to be sent to: Permit and Licence Management, Implementation and Support Unit, Department of Environment and Resource Management, GPO Box 2454, Brisbane Qld 4001.

GUIDANCE NOTES

List the full names of the holders of the Registration Certificate. Where there is more than one please list all.

Minor changes, such as change of name after marriage, can be made as an amendment by agreement. A change of name and a change in ABN/ACN will require an application to amend the Registration Certificate.

Please contact Permit and Licence Management on 1300 130 372 for more information.

Annual Return details for 23 May 2011 to 22 May 2012

1. Registration Certificate Holders Name

NAME(S):

CSIRO Australia

2. Registration Certificate Number

NUMBER(S):

ENRE00751508

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Where there is more than one holder, all joint holders may appoint one holder as the principal holder to act on behalf of them all. The appointment may be made by giving DERM written confirmation signed by all the holders of the Registration Certificate. Please update contact details if incorrect by crossing out the details and printing the correct details beneath or on an attached sheet of paper.

3. Principal holder

NAME OR NAME OF COMPANY AND CONTACT PERSON: CSIRO Australia	
REGISTERED BUSINESS ADDRESS: Technology Court PULLENVALE QLD 4069	
FULL POSTAL ADDRESS (WHERE DIFFERENT): 306 Carmody Road ST LUCIA QLD 4067	
TELEPHONE: 0732142810	FACSIMILE: 0732142710
MOBILE TELEPHONE: CTPI 49-Sch4	EMAIL: bernie.mcdonough@csiro.au

Please update details if incorrect by crossing out the details and printing the correct details beneath or on an attached sheet of paper.

4. Contact Person (where applicable)

NAME: Bernie McDonough	
POSITION AND COMPANY: CSIRO Australia	
FULL POSTAL ADDRESS: 306 Carmody Road ST LUCIA QLD 4067	
TELEPHONE: 07 3214 2810	FACSIMILE:
MOBILE TELEPHONE: CTPI 49-Sch4	EMAIL: mcd290@csiro.au

5. Do you have a copy of the Development Approval/s or Code of Environmental Compliance to which your Registration Certificate applies?

YES

NO

6. Have any of the activities on your Registration Certificate altered since the time it was issued?

YES → Your Development Approval and Registration Certificate may need to be amended. Contact Permit and Licence Management for advice.

NO

7. Does your Registration Certificate include an activity with an aggregate environmental score?

YES → Go to question 8.

NO → Go to question 9.

8. Are you claiming a reduced annual fee under sections 121-127 of the Environmental Protection Regulation 2008?

YES → A reduced annual fee cannot be claimed unless *Appendix A - Claiming a reduced annual fee* is completed. Please complete Appendix A and return it together with this annual return form.

NO

For details of the eligibility criteria please refer to the information sheet *Paying a reduced annual fee* which is available from the department's website.
NOTE: The reduced annual fee does not apply if the annual return and fees are not submitted by the due date or if there is no aggregate environmental score.

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Section 320 of the EP Act imposes a duty on the holder of a Registration Certificate to report serious or material environmental harm caused or threatened in the carrying out of an activity unless that harm is specifically authorised under a Development Approval or Code of Environmental Compliance.

Please do not submit an annual report, required by a condition of an DA or Code of Environmental Compliance, with this annual return. Annual reports are to be stored for viewing by DERM officers upon request.

Monitoring data that has been submitted electronically to the Point Source Data Base in accordance with a written agreement with DERM does not need to be resubmitted.

All reports must be held in the same place and be available for inspection by the administering authority during business hours. You must forward the reports to DERM on request or when the Registration Certificate has been surrendered or cancelled.

9. Since your last annual return, have you fully complied with the conditions of your Development Approval or Code of Environmental Compliance and your general environmental duty?

YES

NO → For each condition of the DA or Code of Environmental Compliance with which the holder has not complied, please attach the following

- a) a statement of whether or not the non-compliance/incident has been previously reported;
- b) a statement describing the non-compliance/incident including photographs where appropriate;
- c) a statement describing the environmental impacts resulting from the non-compliance/incident;
- d) a statement describing the actions taken to repair any damage to the environment resulting from the non-compliance/incident

Tick to indicate that the required statements are attached

10. Does a condition of your Development Approval or Code of Environmental Compliance require you to carry out any monitoring and/or prepare reports on the activities for which you hold a Registration Certificate?

YES

NO → Go to question 15.

11. Do you provide reports directly to the point source database?

YES → Go to question 16, if no other monitoring is required to be undertaken.

NO

12. Has all of the necessary environmental monitoring been carried out and all the reports prepared in accordance with your Development Approval or Code of Environmental Compliance?

YES

NO → Provide details below explaining why this has not occurred. If you require more space, attach additional information.

R

Registration Certificate

13. Please provide details of the titles of all the monitory data compiled and the reports prepared since your last annual return. Please provide details of where the monitoring data and reports are kept.

Table 1 List of Monitoring data required

NATURE OF REPORT AND/OR MONITORING	PREPARED BY	LOCATION OF REPORT	DATES COVERED
Water testing	Navazone Pty Ltd	CSIRO Pullenvale	31/5/11 - 30/7/12
Water Outflow Data	Navazone Pty Ltd	CSIRO Pullenvale	June 11 - April 12

Please do not submit the report(s) with this annual return - fill out the information below. If you require more space, attach additional information.

14. Has the monitoring that has been carried out shown any exceedance of the environmental limits set in the conditions of your Development Approval or Code of Environmental Compliance?

- YES → Please attach a copy of the notification of the exceedance that you gave to the administering authority.
- NO

15. Is this return for ERA 57 - Regulated waste transport?

- YES → Go to Question 16.
- NO → Go to Question 18.

Registration Certificate

16. Have the details of your waste vehicles changed from the list provided in the Annual Notice?

- YES → Complete table below including the details of all vehicles to be covered by this Registration Certificate. Attach additional information if required.
- NO

Table 2 - Waste Vehicle Details

Status - existing, new, removed	Type of vehicle e.g. tanker, truck	Make of vehicle	Year of manufacture	Vehicle registration number

Note: ERA 57 - Regulated waste transport contains three thresholds, 57-(2a), 57-(2b) and 57-(2c). These thresholds represent the number of vehicles that a holder of a Registration Certificate may operate and the annual fees change according to the threshold. If the number of vehicles listed on your Registration Certificate falls above or below your listed activity, you are required to amend your Registration Certificate.

17. The fee for ERA 57 - Regulated waste transport is based on the number of vehicles on your Registration Certificate. If you increase or decrease the number of vehicles, this may result in a change to the fee payable. Where a change in the number of vehicles has changed the ERA threshold which applies, your Registration Certificate will be amended. Please tick the boxes below to signify your agreement to this action being taken by the administering authority on the basis of the information you have provided in this annual return.

The fees payable are: ERA Threshold 57-(2a) Regulated waste transport 1 to 5 vehicles \$1493.8, 57-(2b) Regulated waste transport 6 to 35 vehicles \$4481.4, 57-(2c) Regulated waste transport > 36 vehicles \$8962.8.

- I agree to amendments to my Registration Certificate to reflect the change in accordance with the number of vehicles listed in this return and understand that this may change my obligations under the Code of Environmental Compliance.
- I have paid a reduced/increased fee for the coming year in accordance with the number of vehicles listed in this return.

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Registration Certificate

Please read carefully through the declaration before signing.

Under section 480 of the EP Act, it is an offence to knowingly give the administering authority information that is false, misleading or incomplete in any material particular.

18. Declaration

- I / We, being the holders identified at Section 1, acknowledge that all information supplied on or with this application form may be made available upon request, subject to the provisions of the *Right to Information Act 2009* and the *Evidence Act 1977*.
- I am the holder or the appointed signatory for the Registration Certificate.
- I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to knowingly give the administering authority information that I know is false, misleading or incomplete in any material particular.
- I have supplied all of the required information.

CTPI 49-Sch4

SIGNATURE	
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NAME OF SIGNATORY: Bernie McDonough
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POSITION OF SIGNATORY (IE DIRECTOR, MANAGER, OWNER, PARTNER, CEO ETC): Acting Executive Manager CSIRO Property Services, QLD	DATE: 30-5-2012
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Please return your completed annual return to:

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Resource Management
GPO Box 2454
Brisbane Queensland 4001
Enquiries: 1300 130 372
Facsimile: (07) 3896 3342
E-mail: palm@derm.qld.gov.au

Additional Explanation of Requirements for Claiming a Reduced Annual Fee

Definition of compliance event

A compliance action event, for the holder of a relevant authority, means any of the following directly relating to an activity carried out or a thing omitted to be done under the authority-

- (a) the serving of an infringement notice, under the *State Penalties Enforcement Act 1999*, on the holder for an offence;
- (b) the issuing of an environmental protection order to the holder;
- (c) the holder-
 - (i) has voluntarily submitted a draft transitional environmental program; or
 - (ii) is acting under an approved transitional environmental program; or
 - (iii) is required to prepare a transitional environmental program; or
 - (iv) has, under section 350 of the *Environmental Protection Act 1994* (EP Act), given the administering authority a program notice;
- (d) the issue of a cost recovery notice to the holder unless-
 - (i) the amount claimed under the notice has been fully paid; or
 - (ii) the notice has been withdrawn or has otherwise stopped having effect;
- (e) the holder has been issued with a direction notice under section 363B of the EP Act and-
 - (i) the holder complies with the notice; or
 - (ii) a proceeding for an offence against section 363E¹ of the EP Act has not started;
- (f) a proceeding for an environmental offence or an offence under section 363E¹, 363I² or 363L³ of the EP Act (a notice offence), is started or continued against the holder and has not finished;
- (g) the holder is convicted of an environmental offence or a notice offence.

If a registered operator has two sites (e.g. Site A and Site B) and two separate Registration Certificates or Environmental Authorities, then a compliance event on Site A will not affect access to the discounts for the annual fee on Site B. If both Site A and Site B are licensed under a single Registration Certificate or Environmental Authority, a compliance action event at either site will render the registered operator or Environmental Authority holder ineligible for a reduced annual fee.

Criteria for appropriately qualified person

An appropriately qualified person must be an independent third party who is not an employee of the holder of the authority.

They must also be a member of one of the following organisations as set out in schedule 8 of the *Environmental Protection Regulation 2008*:

- Australasian Radiation Protection Society
- Australian Institute of Agricultural Science and Technology
- Australian Institute of Geoscientists
- Australian Society of Soil Science

¹ Section 363E (Offence not to comply with a direction notice).

² Section 363I (Offence not to comply with clean-up notice).

³ Section 363L (Obstruction of recipient complying with notice).



Section 3.5.15 Integrated Planning Act 1997

DERM Permit¹ number: IPDE01232908

EPA Permit¹ number:	IPDE01232908
Assessment Manager reference:	as above
Date application received by EPA:	24-SEP-2008
Permit¹ Type:	Development Approval for a MCU involving an ERA
Date of Decision:	28-JAN-2010
Decision:	Approved
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Development Description

Property	Lot/Plan	Aspect of Development
CSIRO Marine and Atmospheric Research Facility 233 Middle Street Cleveland QLD 4163	Lot 1 Plan RP145396	ERA 1 Aquaculture Threshold 1(a) – cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100m ² to 10ha ERA 1 Aquaculture Threshold 1(b) – cultivating or holding marine, estuarine or freshwater organisms, other than crustaceans, in enclosures that are on land and have a total area of than 100m ² to 10ha

Additional comments or advice about the application

Please note a Marine Parks Permit is required to extract and discharge seawater from and to Moreton Bay Marine Park.

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Resource Management and the Queensland Parks and Wildlife Service

28-1-10
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Additional information for applicants

The standard currency periods stated in section 3.5.21 of the Integrated Planning Act 1997 or the nominated currency period, apply to each aspect of development in this permit¹. For information on when this permit¹ takes effect and the relevant currency periods, please see point 3 in the Notice of Decision.

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 Department of Environment and Resource Management.

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.

CTPI 49-Sch4



Louise Jordan
Manager – Redlands
Regional Service Delivery
South East Region
Department of Environment and Resource Management
28-JAN-2009

CONDITIONS OF APPROVAL

General Permit Conditions

Agency Interest: General

PG1 Prevent and/or minimise likelihood of environmental harm.

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

PG2 Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:

- (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
- (b) maintain such measures, plant and equipment in a proper and efficient condition; and
- (c) operate such measures, plant and equipment in a proper and efficient manner.

PG3 Site Based Management Plan.

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement.

PG4 Monitoring.

A competent person(s) must conduct any monitoring required by this approval.

PG5 Equipment Calibration.

All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

PG6 Scope of approval.

This approval authorises 304 tanks with a total combined area of 518 m².

PG10 Display of Development Approval.

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

PG11 Alterations.

No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this 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.

PG12 Notification.

Telephone the DERM's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

PG13 Records

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.

PG14 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: Air

PA1 Nuisance.

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.

Dust and Particulate Emissions

PA3 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).

Dust Control

PA4 In the event of a complaint about an environmental nuisance caused by release of dust beyond the boundaries of the approved place, the registered operator must install and operate dust minimisation

systems to the extent that any environmental nuisance is prevented e.g. water sprays, vehicle adherence to restricted speed limits.

Agency Interest: Noise

PN1 **Noise Nuisance.**

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place

Noise Monitoring.

PN2

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- LA 10, adj, 10 mins
- LA 1, adj, 10 mins
- LA max, adj, T
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

PN3

The method of measurement and reporting of noise levels must comply with the latest edition of the Department of Environment and Resource Management, or former EPA's, Noise Measurement Manual.

Agency Interest: Water

PWA1 **Release of Contaminants to Waters**

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

to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government

PWA2

The only contaminant permitted to be released from the approved place(s) is aquaculture effluent from the tanks used for cultivating or holding marine, estuarine or freshwater organisms.

Release Point(s).

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

PWA3

Water - Table 1 and labelled on the map for the approved place in Attachment 1.

PWA4

The release of contaminants to waters from the release points specified in condition PWA3 and labelled on the map for the approved place in Attachment 1, 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.

PWA5 Quantity of Contaminants Released to Waters

The total quantity of contaminants released from the release points specified in condition PWA3 must not exceed those specified in Water - Table 1.

Water - Table 1 – CSIRO Marine and Atmospheric Research Centre Cleveland

Release Point	Release Point Description	Total Quantity
A & B	Discharge from the tanks, including freshwater backwash, via stormwater system to Toondah Harbour.	140,000 L/day
C & D	Discharge from the tanks, excluding freshwater backwash, via mangrove wetland.	210,000 L/day

PWA6 Quality of Contaminants Released to Waters

The release of contaminants to waters must comply, at sampling and *in situ* monitoring point(s) directly before discharge from release point A, B, C and D, with each of the release limits specified in Water - Table 2 for each quality characteristic.

Water - Table 2 - CSIRO Marine and Atmospheric Research Centre Cleveland

Quality Characteristic	Release Limit	Limit Type
pH	6.5 to 9.0 pH units	range
Dissolved Oxygen	4.0 mg/L	maximum
Total Nitrogen (as nitrogen)	0.4mg/L	maximum
Total Phosphorus	0.1mg/L	maximum
Free Residual Chlorine	0.1mg/L	maximum

PWA7

Notwithstanding the quality characteristic limits specified in Water – Table 2 the release of contaminants to waters must comply with the following qualitative characteristics:

- ii) 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
- iii) 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
- iv) 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.

PWA8 Monitoring.

Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the quality characteristics and not less frequently than specified in Water – Table 3. All determinations of the quality of contaminants released must be:

- a) made in accordance with methods prescribed in the latest edition of the Department of Environment and Resource Management Water Quality Sampling Manual; and
- b) carried out on samples that are representative of the discharge.

Water - Table 3 – CSIRO Marine and Atmospheric Research Centre Cleveland

QUALITY CHARACTERISTIC DETERMINATION	SAMPLING METHOD	FREQUENCY OF SAMPLING
pH	In flow sample	Daily whenever discharging
Dissolved Oxygen (mg/L)	In flow sample	Daily whenever discharging
Total Nitrogen (mg/L)	Grab sample	At least monthly whilst discharging
Total Phosphorus (mg/L)	Grab sample	At least monthly whilst discharging
Free Residual Chlorine	Grab sample	Daily whenever discharging chlorine treated water

PWA9 Monitoring of Volume of Releases to Waters

The daily volume of contaminants released to waters must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.

Agency Interest: Social

A1S1 Complaint Response.

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

- time, date, name and contact details of the complainant;
- reasons for the complaint;
- any investigations undertaken;
- conclusions formed; and
- any actions taken.

**Agency Interest: 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.

Agency Interest: Land

- (G1) No contaminants are to be disposed to land.
- (G2) The registered operator 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.
- (G5) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Disease Management

- (G6) The registered operator must notify the administering authority of any disease outbreak requiring treatment and/or drainage of pond and/or tank contents.
- (G7) The registered operator 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.

28.1.10

DEFINITIONS

Words and phrases used throughout this permit¹ are defined below. Where a definition for a term used in this permit¹ is sought and the term is not defined within this permit¹ the definitions provided in the relevant legislation shall be used.

"administering authority" means the Environmental Protection Agency or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

"approved plans" means the plans and documents listed in the approved plans section in the notice attached to this development approval.

"artificial waterway" means an artificial channel, lake or other body of water. Artificial waterway includes –

- an artificial channel that is formed because the land has been reclaimed from tidal water and is intended to allow boating access to allotments on subdivided land;
- other artificial channels subject to the ebb and flow of the tide; and
- any additions or alterations to an artificial waterway.

"authorised place" means the place authorised under this development approval for the carrying out of the specified environmentally relevant activities.

"canal" means an artificial waterway surrendered to the State. A canal is an artificial waterway connected, or intended to be connected, to tidal water; and from which boating access to the tidal water is not hindered by a lock, weir or similar structure.

"clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

"coastal dune" means a ridge or hillock of sand or other material on the coast and built up by the wind.

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

"dredge spoil" means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.

"dwelling" means any of the following structures or vehicles that is principally used as a residence –

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

"Department of Environment and Resource Management" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994*.

"DERM" means the Department of Environment and Resource Management.

"EPA" means the former Environmental Protection Agency, now incorporated in the Department of Environment and Resource Management.

"erosion prone area" means an area declared to be an erosion prone area under section 70(1) of the *Coastal Protection and Management Act 1995*.

"high water mark" means the ordinary high water mark at spring tides.

"infectious waste" means waste containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.
- In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 – 1997 Acoustics – Description and Measurement of Environmental Noise Part 2 – Application to Specific Situations.

" $L_{A 10, adj, 10 mins}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

" $L_{A 1, adj, 10 mins}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

" $L_{A, max adj, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"mg/L" means milligrams per litre.

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

"NTU" means nephelometric turbidity units.

"nuisance sensitive place" includes –

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

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

"ponded pasture" means a permanent or periodic pondage of water in which the dominant plant species are pasture species used for grazing or harvesting.

"protected area" means –

- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under the *Marine Parks Act 2004*; or
- a World Heritage Area.

"quarry material" means material on State coastal land, other than a mineral within the meaning of any Act relating to mining. Material includes for example stone, gravel; sand, rock, clay, mud, silt and soil, unless it is removed from a culvert, stormwater drain or other drainage infrastructure as waste material.

"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 –

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

- anything that has contained the waste.

"**site**" means land or tidal waters on or in which it is proposed to carry out the development approved under this development approval.

"**tidal water**" means the sea and any part of a harbour or watercourse ordinarily within the ebb and flow of the tide at spring tides.

"**watercourse**" means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

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

"**works**" or "**operation**" means the development approved under this development approval.

"**you**" means the holder of this development approval or owner / occupier of the land which is the subject of this development approval.

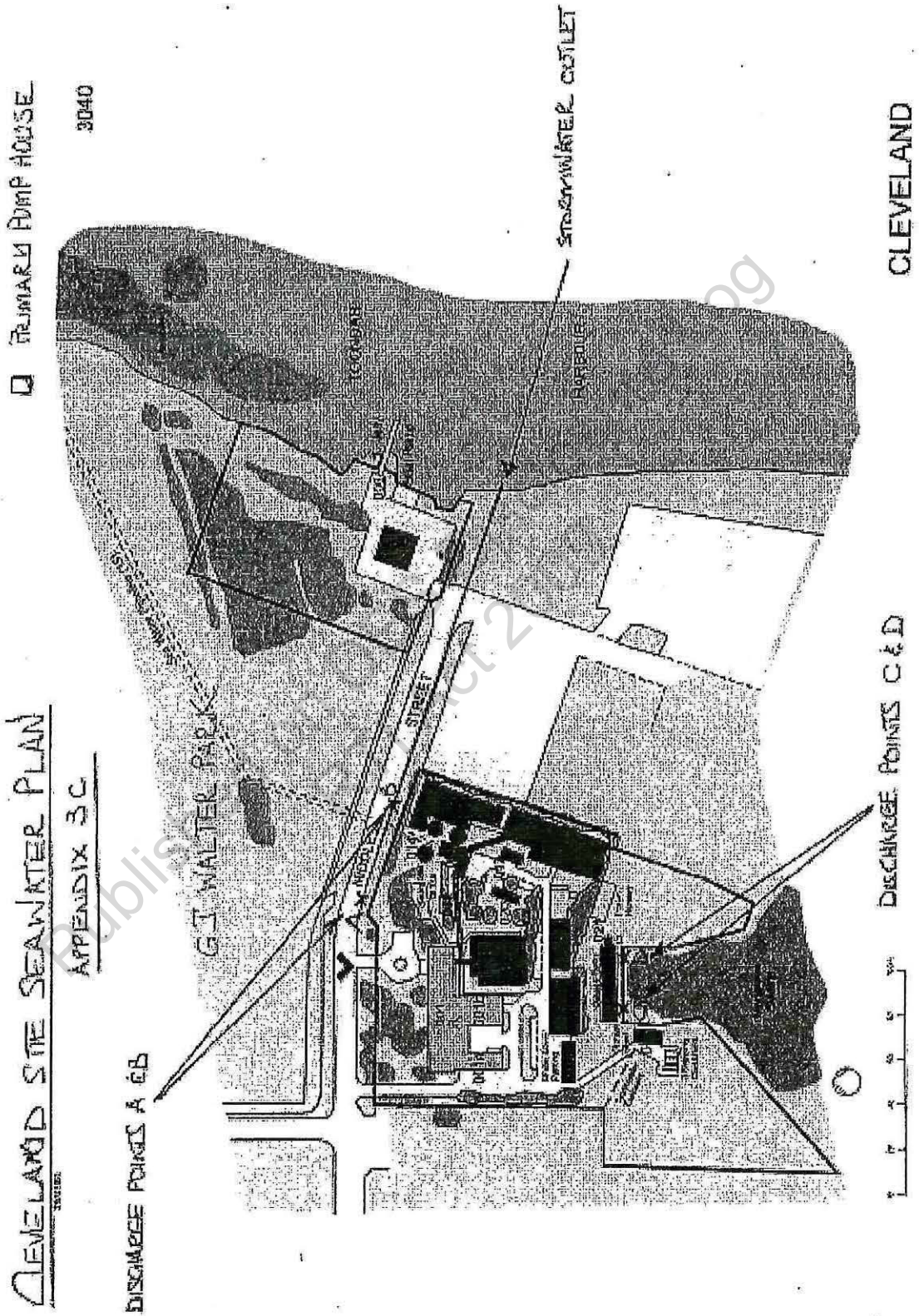
"**50th percentile**" means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

"**80th percentile**" means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

END OF CONDITIONS

R

Attachment 1 - Cleveland Site Seawater Plan



CLEVELAND SITE SEAWATER PLAN
 APPENDIX 3C

DISCHARGE POINTS A & B

DISCHARGE POINTS C & D

CLEVELAND

28-1-10
 CTPI4

CTPI 28-1-10