Permit

Environmental Protection Act 1994

Environmental authority P-EA-100726296

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

Environmental authority number: P-EA-100726296

Environmental authority takes effect on 3 October 2024.

The anniversary date of this environmental authority is 31 August each year.

Environmental authority holder(s)

Name(s)	Registered address
Seafarm Queensland Pty Ltd	Level 11, 255 St Georges Terrace PERTH WA 6000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 1 Aquaculture (1)(c) – Cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100ha.	Lot 1 on SP125429 Nicolson Road, Damper Creek CARDWELL QLD 4849 Lot 3 on RP703909; Lot 16 on RP732868; and Lot 51 on CWL841330. Bruce Highway, Damper Creek CARDWELL QLD 4849
ERA 27 Seafood processing – Processing, in a year, 500t or more of seafood or seafood products.	Lot 16 on RP732868 Bruce Highway, Damper Creek CARDWELL QLD 4849

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

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inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days) that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority – on the nominated day; or

b) if the authority states a day or an event for it to take effect – on the stated day or when the stated event happens; or

c) otherwise – on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the effective date. The payment of the annual fee will be due each year on this day.

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.

Amanda Gray	3/10/2024
Signature	Date

Amanda Gray
Department of Environment, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Coastal and Marine Assessment
Department of Environment, Science and Innovation

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. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access State controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Conditions of environmental authority

Part	Applicable Location	Environmentally Relevant Activity
Part 1	Applicable to all sites	Applicable to all Environmentally Relevant Activities
Part 2	Cardwell Aquaculture Farm	ERA 1 Aquaculture (1)(c) – Cultivating or holding crustaceans in enclosures that are on land and have a total area of more than 100ha.
Part 3	Cardwell Seafood Processing Plant	ERA 27 Seafood processing – Processing, in a year, 500t or more of seafood or seafood products.

Part 1: General Conditions The following conditions are applicable to all authorised sites under this environmental authority.	
GENERAL	
G1	**Compliance with Environmental Authority** In carrying out the environmentally relevant activity, **you** must take all reasonable and practical measures to minimise releases and the likelihood of releases of contaminants to the environment, except as otherwise provided by the conditions of this environmental authority.
G2	**Display of Environmental Authority** A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G3	**Records** Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
G4	Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the **administering authority** on request.
G5	**Alterations** No change, replacement or operation of any plant or equipment is permitted if the changes, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

G6	**Calibration** All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.
G7	**Nuisance** Notwithstanding any other condition of this environmental authority, this environmental authority does not authorise any release of contaminants which causes or is likely to cause an environmental nuisance beyond the boundaries of the licensed place.
WATER	
WT1	**Release of Contaminants to Waters** Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the Water conditions or the Stormwater Management conditions of this environmental authority, or to a sewer as permitted or otherwise agreed from time to time by the Local Government.
WASTE MANAGEMENT	
W1	**You** must not: (a) burn waste at or on the licensed place; nor (b) allow waste to burn or be burned at or on the licensed place; nor (c) remove waste from the licensed place and burn such waste elsewhere.
MONITORING AND REPORTING	
MR1	**Complaint Recording** All complaints received by **you**, relating to releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details: (a) time, date and nature of complaint; (b) type of communication (telephone, letter, personal, etc.); (c) name, contact address and contact number of complainant (NOTE: if the complainant does not wish to be identified then 'Not Identified' is to be recorded); (d) response and investigation undertaken as a result of the complaint; (e) name of person responsible for investigating complaint; and (f) action taken as a result of the complaint investigation and signature of the responsible person.
MR2	**Monitoring of Volume of Release**

	The daily quantity of contaminants released must be determined by a method which is accurate to within 10% of the actual amount released.
MR3	Records must be kept of the results of all determinations of the daily quantity of contaminants released to waters.

Part 2: Cardwell Aquaculture Farm The following conditions are applicable to all authorised sites under this environmental authority.	
GENERAL	
P2-G1	**You** must: (a) install and operate all works and control equipment; and (b) take all measures, perform all acts and do all things, necessary to ensure compliance with the conditions of this environmental authority.
P2-G2	**Number and Area of Ponds** This environmental authority applies to the operation of not more than 124 aquaculture ponds having a combined total area of not greater than 140 hectares.
P2-G3	**Competency** **You** shall ensure that operation and maintenance of the aquaculture facility is carried out by or under the supervision of a person competent to operate and maintain the aquaculture facility.
WATER	
P2-WT1	**Release of Contaminants to Waters** Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the Water conditions or the Stormwater Management conditions of this environmental authority, or to a sewer as permitted or otherwise agreed from time to time by the Local Government.
P2-WT2	**Release Points** **Cardwell Aquaculture Farm** Contaminants must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources of the locations listed below: (a) Release point W1 – Aquaculture and Seafood Processing wastes from the discharge structure to Mary Creek near its mouth adjacent to pond 10 of Stage One. (b) Release point W2 – Aquaculture wastes from the discharge structure to Pig Creek at 1.8km AMTD adjacent to pond 5 of Stage Two.
P2-WT3	Notwithstanding any condition of this environmental authority, the wastes must be directed from the discharge structure in a manner which does not erode or otherwise disturb mangrove vegetation, the stream bed, the stream banks or the habitat in general.

<table>
<tr><td>P2-WT4</td><td>Quantity of Contaminants Released

The total quantity of contaminants released from the release point W1 during any day must not exceed 60,000 cubic metres. The total quantity of wastes discharged during one calendar year shall not exceed 16,425,000 cubic metres, being an average of 45,000 cubic metres per day.

The total quantity of contaminants released from release point W2 during any day must not exceed 75,000 cubic metres. The total quantity of wastes discharged during one calendar year shall not exceed 21,900,000 cubic metres, being an average of 60,000 cubic metres per day.</td></tr>
<tr><td>P2-WT5</td><td>Should a stage development of the project be undertaken or less than the full number of ponds be in operation at one time, the quantity of wastes discharged during any day, the total quantity of wastes discharged during one calendar year and the average flow per day must be limited to a proportion of the above volumes, based on the number of ponds in operation in relation to the full development of 60 hectares of ponds for Stage One and 80 hectares of ponds for Stage Two ponds.</td></tr>
<tr><td>P2-WT6</td><td>Quality Characteristics of Release to Waters

The release of contaminants to waters must comply, at the sampling and in-situ measurement point/s specified in condition number P2-MR2, with each of the limits specified in Table 1: Release Quality Characteristics Limits, for each quality characteristic.

Table 1: Release Quality Characteristics Limits

<table>
<tr><th>Quality Characteristics</th><th>Release Point</th><th>Discharge Limit</th><th>Limit Type</th></tr>
<tr><td>Suspended Solids (mg/L)</td><td>W1, W2</td><td>50 / 70 / 200</td><td>Median / 80th Percentile / Maximum</td></tr>
<tr><td>pH (pH Units)</td><td>W1, W2</td><td>6.5 – 8.7</td><td>Range</td></tr>
<tr><td>Dissolved Oxygen (mg/L)</td><td>W1, W2</td><td>3.5</td><td>Minimum</td></tr>
<tr><td>Total Nitrogen (mg/L)</td><td>W1, W2</td><td>2.0 / 2.5 / 4.0</td><td>Median / 80th Percentile / Maximum</td></tr>
<tr><td>Chlorophyll a (µg/L)</td><td>W1, W2</td><td>20 / 200</td><td>Median / Maximum</td></tr>
<tr><td>Total Phosphorus as P (mg/L)</td><td>W1, W2</td><td>0.4 / 60</td><td>80th Percentile / Maximum</td></tr>
</table></td></tr>
<tr><td>P2-WT7</td><td>For all parameters in Table 1: Release Quality Characteristic Limits, except dissolved oxygen concentration, where a median and/or 80th percentile and/or maximum limit is specified, the set of data describing the release quality characteristics must have a median lower in value than the median limit and/or an 80th percentile lower in value than the 80th percentile limit and/or a maximum lower in value than the maximum limit.

For dissolved oxygen concentration, the set of data describing the release quality characteristics must have a minimum higher in value than the minimum limit.</td></tr>
<tr><td>P2-WT8</td><td>Notwithstanding any other condition of this environmental authority, any release of contaminants to waters 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.</td></tr>
</table>

STORMWATER MANAGEMENT	
P2-SM1	**Spillage Control** All existing chemical tank storages must be within a spillage control **compound** sufficient to contain at least 100% of the largest storage tank.
P2-SM2	All chemical tank storages constructed after 1 August 1996 must be within a spillage control **compound** sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the **compound**.
P2-SM3	All spillage control **compounds** must be constructed and maintained so as to be sufficiently impervious to allow retention and recovery of any materials being stored within the **compound**.
P2-SM4	All chemical package storage and handling areas must be within a spillage control **compound** sufficient to contain at least 100% of the capacity of the largest package plus 25% of the storage capacity up to 10,000L, together with 10% of the storage capacity beyond 10,000L.
P2-SM5	Notwithstanding condition number P2-SM3, floors forming part of the spillage control **compound** for the chemical package storage and handling areas must be impervious and not liable to degradation.
P2-SM6	Washing, degreasing, servicing or other maintenance of vehicles, plant, or other equipment must not occur on the licensed place in any area where resulting contaminants will or may be released to any stormwater drain, **land** or waters.
P2-SM7	**Pond Sludge Conditioning Areas** Runoff from pond sludge conditioning areas must be directed in such a manner as to be retained within the catchment of the discharge channel or in such other manner as to ensure that runoff does not directly enter natural waterways.
LAND	
P2-L1	**Release of Contaminants to Land** The release of pond sludge to **land** must only occur in pond sludge conditioning areas identified in the application for environmental authority or identified in an approved document listed in the Approved Documents conditions of this environmental authority.
MONITORING AND REPORTING	
P2-MR1	**Incident Reporting** A record must be maintained of events including, but not limited to: (a) the time, date and duration of equipment malfunctions where failure of such equipment may result in environmental contamination; (b) any shut-down of treatment systems; (c) any disease outbreak in ponds.
P2-MR2	**Sampling and Monitoring Point Details**

<table>
<tr><td></td><td>Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in the Water conditions of this environmental authority must be undertaken at the sampling and measurement point(s) described as:
(a) W1 – Samples are to be taken and in-situ measurements made at the discharge structure to Mary Creek near its mouth adjacent to pond 10 of Stage One.
(b) W2 – Samples are to be taken and in-situ measurements made at the discharge structure to Pig Creek at 1.8km AMTD adjacent to pond 5 of Stage Two.</td></tr>
<tr><td>P2-MR3</td><td>Harvest Monitoring
You are responsible for determining the quality of the contaminants released from the Release Points during harvest by determining those quality characteristics specified in Table 2, at the Release Points specified in that table and at the frequency specified in that table.
Table 2
<table>
<tr><th>Quality Characteristic Determination</th><th>Release Point</th><th>Frequency</th></tr>
<tr><td>Suspended Solids (by NATA accredited laboratory method)</td><td>W1, W2</td><td>during the first, last and median hour of the draining during harvest for three harvests per year</td></tr>
<tr><td>Turbidity or Suspended Solids (by indicative field measurement)</td><td>W1, W2</td><td>during each hour of the draining</td></tr>
</table></td></tr>
<tr><td>P2-MR4</td><td>Notification of Emergencies and Incidents
As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonable expected to be not in accordance with the conditions of this environmental authority, you must notify the administering authority of the release by the telephone or facsimile or submission of a program notice in accordance with Section 333 of the Act.</td></tr>
<tr><td>P2-MR5</td><td>The notification of emergencies or incidents as required by condition number P2-MR4 must include, but not be limited to, the following:
(a) the holder of the environmental authority;
(b) the location of the emergency or incident;
(c) the number of the environmental authority;
(d) the name and telephone number of the designated contact person;
(e) the time of the release;
(f) the time you become aware of the release;
(g) the suspected cause of the release;
(h) the environmental harm and/or environmental nuisance caused, threatened, or suspected to be caused by the release; and</td></tr>
</table>

<table>
<tr><td></td><td>(i) actions taken to prevent any further release and mitigate the environmental harm and/or environmental nuisance caused by the release, unless a program notice in accordance with Section 333 of the Act is submitted.</td></tr>
<tr><td>P2-MR6</td><td>Not more than three (3) months following the initial notification of an emergency or incident, you must provide written advice of the information supplied in accordance with condition number P2-MR5, in addition to:
(a) proposed actions to prevent a recurrence of the emergency or incident;
(b) outcomes of actions taken at the time to prevent or minimise environmental harm and/or environmental nuisance; and
(c) the results of any environmental monitoring performed.</td></tr>
<tr><td>P2-MR7</td><td>A draft environmental management program dealing with the activity submitted to the administering authority for approval fulfils the requirements of condition number P2-MR6 (a).</td></tr>
<tr><td>P2-MR8</td><td>Monitoring of Contaminant Releases to Waters
Monitoring the quality of contaminant releases to waters must include, but not be limited to, samples taken at a time when maximum flow rate is occurring from the outlet.</td></tr>
<tr><td>P2-MR9</td><td>You are responsible for making of determinations and keeping of records of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in Table 3.
Table 3
<table>
<tr><th>Quality Characteristic Determination</th><th>Release Point</th><th>Frequency</th></tr>
<tr><td>Suspended Solids (by NATA accredited laboratory method)</td><td>W1, W2</td><td>once per month in each month a discharge occurs and once per day on each day an indicative field measurement indicates that the maximum licence limit is exceeded</td></tr>
<tr><td>pH</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Dissolved Oxygen</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Temperature – Celsius degrees</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Total Nitrogen as N</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Chlorophyll a</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Total Phosphorus as P</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Turbidity or Suspended Solids (by indicative field measurement)</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
</table></td></tr>
</table>

P2-MR10	Sample for determination of quality of contaminants released must be taken, at least, in duplicate and the duplicate sample must be analysed if: (a) the primary sample is destroyed or otherwise rendered unsuitable for analysis before an accurate analytical result is obtained; or (b) the analysis of the primary sample is not considered to be accurate.
P2-MR11	All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the **administering authority's** *Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available.
P2-MR12	Notwithstanding condition number P2-MR11, measurement can be performed using a Royce Model 711 TSS meter provided that sufficient correlation exists between the measurements with this meter and the determinations made in accordance with methods prescribed in the **administering authority's** *Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available.
P2-MR13	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.
P2-MR14	**Impact Monitoring** Environmental Impact Monitoring, in accordance with the Approved Document *Environmental Impact Monitoring Program for Seafarm Pty Limited* dated 6 August 1996, or any subsequent monitoring program approved by the **administering authority**, must be undertaken, in relevant creeks and along the western shoreline of Hinchinbrook Channel adjacent to the licensed premises, to determine: (a) presence of water quality disturbances; and/or (b) any changes to representative natural biological communities.
P2-MR15	**Impact Monitoring Alternative** Participation in an Environmental Assessment Study (EAS) approved by the **administering authority** is deemed to satisfy condition number P2-MR14 for the period of participation, provided all financial and other requirements of the study are met.
P2-MR16	Should **you** cease to participate in the EAS, as defined in condition P2-MR15, **you** must notify the **administering authority** within 30 days.
P2-MR17	**Report Submissions** **You** must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the Annual Return.
P2-MR18	**Exception Reporting** **You** must notify the **administering authority** in writing of any monitoring results which indicated an exceedance of any licence limit within 28 days of completion of analysis.
P2-MR19	The written notification required by condition number P2-MR18 above must include: (a) the full analysis results; and (b) details of investigation or corrective actions taken; and

	(c) any subsequent analysis.
P2-MR20	Submission of a program notice in accordance with Section 333 of **the Act** fulfills the requirements of condition numbers P2-MR18 and P2-MR19.
APPROVED DOCUMENTS	
P2-AD1	The environmentally relevant must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application, documents supporting the application and any other documents approved by the **administering authority** as set out in the Approved Documents conditions.
P2-AD2	In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents conditions and the conditions of this environmental authority, the conditions of this environmental authority must apply.
P2-AD3	For the purpose of this environmental authority the following stated documents are approved documents: (a) Environmental Impact Monitoring Program for Seafarm Pty Limited, dated 6 August 1996; or (b) any subsequent monitoring program approved by the **administering authority**.

Part 3: Cardwell Seafood Processing Plant	
WATER	
P3-WT1	**Release Points** Contaminants must not be directly released from any source on the licensed place to any waters at any location other than contaminants and sources of the locations listed below: (a) Release point W1 – Seafood processing wastes from grease trap overflow to earthen drainage channel between pond 57 and pond 48.

<table>
<tr><td>P3-WT2</td><td>

Quality Characteristics of Release to Waters

The release of contaminants to waters must comply, at the sampling and in-situ measurement point/s specified in condition number P3-MR8, with each of the limits specified in *Table 1: Release Quality Characteristics Limits*, for each quality characteristic.

Table 1: Release Quality Characteristics Limits

<table>
<tr><th>Quality Characteristics</th><th>Release Point</th><th>Discharge Limit</th><th>Limit Type</th></tr>
<tr><td>Suspended Solids (mg/L)</td><td>W1, W2</td><td>50 / 70 / 200</td><td>Median / 80th Percentile / Maximum</td></tr>
<tr><td>pH (pH Units)</td><td>W1, W2</td><td>6.5 – 8.7</td><td>Range</td></tr>
<tr><td>Dissolved Oxygen (mg/L)</td><td>W1, W2</td><td>3.5</td><td>Minimum</td></tr>
<tr><td>Total Nitrogen (mg/L)</td><td>W1, W2</td><td>2.0 / 2.5 / 4.0</td><td>Median / 80th Percentile / Maximum</td></tr>
<tr><td>Chlorophyll a (µg/L)</td><td>W1, W2</td><td>20 / 200</td><td>Median / Maximum</td></tr>
<tr><td>Total Phosphorus as P (mg/L)</td><td>W1, W2</td><td>0.4 / 60</td><td>80th Percentile / Maximum</td></tr>
</table>

</td></tr>
<tr><td>P3-WT3</td><td>For all parameters in *Table 1: Release Quality Characteristic Limits*, except dissolved oxygen concentration, where a **median** and/or **80th percentile** and/or **maximum** limit is specified, the set of data describing the release quality characteristics must have a **median** lower in value than the **median** limit and/or an **80th percentile** lower in value than the **80th percentile** limit and/or a **maximum** lower in value than the **maximum** limit.

For dissolved oxygen concentration, the set of data describing the release quality characteristics must have a **minimum** higher in value than the **minimum** limit.</td></tr>
<tr><td>P3-WT4</td><td>Notwithstanding any other condition of this environmental authority, any release of contaminants to waters 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.</td></tr>
<tr><td colspan="2">STORMWATER MANAGEMENT</td></tr>
<tr><td>P3-SM1</td><td>Spillage Control

All existing chemical tank storages must be within a spillage control compound sufficient to contain at least 100% of the largest storage tank.</td></tr>
<tr><td>P3-SM2</td><td>All chemical tank storages constructed after 1 August 1996 must be within a spillage control compound sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the compound.</td></tr>
<tr><td>P3-SM3</td><td>All spillage control compounds must be constructed and maintained so as to be sufficiently impervious to allow retention and recovery of any materials being stored within the compound.</td></tr>
</table>

P3-SM4	All chemical package storage and handling areas must be within a spillage control **compound** sufficient to contain at least 100% of the capacity of the largest package plus 25% of the storage capacity up to 10,000L, together with 10% of the storage capacity beyond 10,000L.
P3-SM5	Notwithstanding condition number P3-SM3, floors forming part of the spillage control **compound** for the chemical package storage and handling areas must be impervious and not liable to degradation.
P3-SM6	Washing, degreasing, servicing or other maintenance of vehicles, plant, or other equipment must not occur on the licensed place in any area where resulting contaminants will or may be released to any stormwater drain, **land** or waters.
WASTE MANAGEMENT	
P3-W1	**Trade Waste Agreements** Records of trade waste agreements must be made available for inspection on request.
P3-W2	**Notification of Improper Disposal of Regulated Waste** If **you** become aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or improper or unlawful, then **you** must, as soon as practicable, notify the **administering authority** of all relevant facts, matters and circumstances known concerning the disposal.
MONITORING AND REPORTING	
P3-MR1	**Incident Reporting** A record must be maintained of events including, but not limited to: (a) the time, date and duration of equipment malfunctions where failure of such equipment may result in environmental contamination; (b) any shut-down of treatment systems;
P3-MR2	**Notification of Emergencies and Incidents** As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonable expected to be not in accordance with the conditions of this environmental authority, **you** must notify the **administering authority** of the release by the telephone or facsimile or submission of a program notice in accordance with Section 333 of **the Act**.
P3-MR3	The notification of emergencies or incidents as required by condition number P3-MR2 must include, but not be limited to, the following: (a) the holder of the environmental authority; (b) the location of the emergency or incident; (c) the number of the environmental authority; (d) the name and telephone number of the designated contact person; (e) the time of the release;

<table>
<tr><td></td><td>(f) the time you become aware of the release;
(g) the suspected cause of the release;
(h) the environmental harm and/or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(i) actions taken to prevent any further release and mitigate the environmental harm and/or environmental nuisance caused by the release, unless a program notice in accordance with Section 333 of the Act is submitted.</td></tr>
<tr><td>P3-MR4</td><td>Not more than three (3) months following the initial notification of an emergency or incident, you must provide written advice of the information supplied in accordance with condition number P3-MR3, in addition to:
(a) proposed actions to prevent a recurrence of the emergency or incident;
(b) outcomes of actions taken at the time to prevent or minimise environmental harm and/or environmental nuisance; and
(c) the results of any environmental monitoring performed.</td></tr>
<tr><td>P3-MR5</td><td>A draft environmental management program dealing with the activity submitted to the administering authority for approval fulfils the requirements of condition number P3-MR4 (a).</td></tr>
<tr><td>P3-MR6</td><td>You are responsible for making of determinations and keeping of records of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in Table 3.
Table 3
<table>
<tr><th>Quality Characteristic Determination</th><th>Release Point</th><th>Frequency</th></tr>
<tr><td>Suspended Solids (by NATA accredited laboratory method)</td><td>W1, W2</td><td>once per month in each month a discharge occurs and once per day on each day an indicative field measurement indicates that the maximum licence limit is exceeded</td></tr>
<tr><td>pH</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Dissolved Oxygen</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Temperature – Celsius degrees</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
<tr><td>Total Nitrogen as N</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Chlorophyll a</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Total Phosphorus as P</td><td>W1, W2</td><td>once per month in each month that a discharge occurs</td></tr>
<tr><td>Turbidity or Suspended Solids (by indicative field measurement)</td><td>W1, W2</td><td>on each day that a discharge occurs</td></tr>
</table></td></tr>
</table>

P3-MR7	**Sampling and Monitoring Point Details** Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in the Water conditions of this environmental authority must be undertaken at the sampling and measurement point(s) described as: (a) W1 – Samples are to be taken and in-situ measurements made at the discharge structure to Mary Creek near its mouth adjacent to pond 10 of Stage One. (b) W2 – Samples are to be taken and in-situ measurements made at the discharge structure to Pig Creek at 1.8km AMTD adjacent to pond 5 of Stage Two.
P3-MR8	Samples for determination of quality of contaminants released must be taken, at least, in duplicate and the duplicate sample must be analysed if: (a) the primary sample is destroyed or otherwise rendered unsuitable for analysis before an accurate analytical result is obtained; or (b) the analysis of the primary sample is not considered to be accurate.
P3-MR9	All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the **administering authority's** *Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available.
P3-MR10	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.
P3-MR11	**Report Submission** **You** must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the Annual Return.
P3-MR12	**Exception Reporting** **You** must notify the **administering authority** in writing of any monitoring results which indicated an exceedance of any licence limit within 28 days of completion of analysis.
P3-MR13	The written notification required by condition number P3-MR12 above must include: (a) the full analysis results; and (b) details of investigation or corrective actions taken; and (c) any subsequent analysis.
P3-MR14	Submission of a program notice in accordance with Section 333 of **the Act** fulfills the requirements of condition numbers P3-MR14 and P3-MR15.
APPROVED DOCUMENTS	
P3-AD1	The environmentally relevant must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application, documents supporting the application and any other documents approved by the **administering authority** as set out in the Approved Documents conditions.

P3-AD2	In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents conditions and the conditions of this environmental authority, the conditions of this environmental authority must apply.

Definitions

Key terms and/or phrases used in this document are defined in this section. 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.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Bund means an embankment or wall which may form part or all of the permitter of a **compound**.

Compound means an area bounded by natural ground contours or by a **bund**, sufficiently impervious to retain spillage or leakage pending recovery.

Land means excluding waters and the atmosphere.

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

Median means the middle value for a data set covering a 12 month period, where half the data are smaller, and half the data are larger. If the number of samples is even, the **median** is the arithmetic average of the two middle values.

mg/L means milligrams per litre.

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

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

the Act means the *Environmental Protection Act 1994*.

Total Nitrogen means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.

µg/L means micrograms per litre.

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 days.

You means the holder of the environmental authority.

Appendices

END OF ENVIRONMENTAL AUTHORITY