Permit

Environmental Protection Act 1994

Environmental authority EPPR00240913

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

Environmental authority number: EPPR00240913

Environmental authority takes effect on 02 November 2018

Environmental authority holder(s)

Name(s)	Registered address
Mainstream Aquaculture Queensland PTY LTD	73-79 Lock Ave WERRIBEE VIC 3030 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 01 - Aquaculture, 2: Cultivating or holding marine, estuarine or freshwater organisms, other than crustaceans, in enclosures that are on land and have a total area of, (b) more than 10ha but not more than 100ha	Lot 1/RP726461
Prescribed ERA, ERA 01 - Aquaculture, 2: Cultivating or holding marine, estuarine or freshwater organisms, other than crustaceans, in enclosures that are on land and have a total area of, (b) more than 10ha but not more than 100ha	Lot 2/RP726461
Prescribed ERA, ERA 01 - Aquaculture, 1: Cultivating or holding crustaceans in enclosures that are on land and have a total area of, (a) more than 100 square metres	Lot 2/SP237170

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

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

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

ABN 46 640 294 485

Queensland Government

Contaminated land

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

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

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

Take effect

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

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
c) otherwise-on the day the authority is issued.

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

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

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

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

Date issued: 02 November 2018

Enquiries:
Coastal and Marine Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the Environmental Protection Act 1994

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

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

Legislative requirements and conditions of environmental authority

Legislative requirements

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.

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.dnrme.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Part 1 General conditions

Environmentally relevant activities	Locations
1-(2b) Aquaculture >10ha but <100ha land	Martyville Road, Martyville - Lot 1 Plan RP726461 and Lot 2 Plan RP726461
1-(2a) Aquaculture >100m^2 but <10ha land	Jay Road Barramundi Farm – Lot 2 Plan SP237170

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

Agency interest: General	
Condition number	**Condition**
G1-1	Any breach of a condition of this **environmental authority** must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. **Records** must be kept including full details of the breach and any subsequent actions taken.
G1-2	All reasonable and practicable **measures** must be taken to prevent or minimise **environmental harm** caused by the activities.

G1-3	The **activity** must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the **activity** during routine operations and emergencies; and b) establish and maintain control **measures** that minimise the potential for **environmental harm**; and c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; and d) ensure plant, equipment and **measures** are operated in a proper and effective manner; and e) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994*; and f) ensure that reviews of environmental performance are undertaken at least annually.
G1-4	All **records** must be kept for a period of at least five years and provided to the **administering authority** upon request.
G1-5	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system**.
G1-6	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G1-7	You must record the following details for all environmental complaints received: a) date and time complaint was received; b) name and contact details of the complainant; c) nature of the complaint; d) investigations undertaken; e) conclusions formed; and f) actions taken.
G1-8	**An appropriate qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by the **environmental authority** and in the manner specified by this **environmental authority**.
Agency interest: Air	
Condition number	**Condition**
A1-1	Odours or airborne **contaminants** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
Agency interest: Water	
Condition number	**Condition**
WT1-1	Other than as permitted within this **environmental authority**, **contaminants** must not be released to any **waters**
WT1-2	All analysis required under this **environmental authority** must be carried out by a laboratory that has **NATA** certification or an equivalent certification for such analysis. The only exception to this condition is for *in situ* monitoring of pH and dissolved oxygen.

Agency interest: Noise	
Condition number	**Condition**
N1-1	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place.**
Agency interest: Land	
Condition number	**Condition**
L1-1	**Contaminants** must not be released to **land**.
L1-2	Treatment and management of **acid sulfate soils** must comply with the latest edition of the Queensland *Acid Sulfate Soil Technical Manual***.**
Agency interest: Waste	
Condition number	**Condition**
WS1-1	Pond Sludge removed from the cultivation or settlement ponds must be stored and/or disposed of in a manner which does not cause the release of **contaminants** to any **waters.**
WS1-2	The holder of this **environmental authority** shall notify the **administering authority** of any disease outbreak requiring treatment and/or drainage of pond and/or tank contents.
WS1-3	The holder of this **environmental authority** must seek the written approval of the **administering authority** prior to disposing of any diseased organisms, or water which has come into contact with diseased organisms.
WS1-4	Where diseased organisms and/or affected **waters** requires disposal it must be monitored and the following **records** kept: a) the date, quantity and type of waste disposed of; and b) name of the waste transporter and/or disposal operator that removed the waste, and c) the intended treatment/disposal destination of the waste.
WS1-5	All waste generated in the carrying out of the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.

Part 2 Site specific conditions

Environmentally relevant activity	Location
1-(2b) Aquaculture >10ha but <100ha land	Martyville Road, Martyville - Lot 1 Plan RP726461 and Lot 2 Plan RP726461

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

Agency interest: General	
Condition number	**Condition**
G2-1	Part 2 of this **environmental authority** applies only to the operation and maintenance of: a) Aquaculture ponds having a combined total area of not more than thirteen (13) hectares; b) An on farm waste water retention and treatment system of at least six (6) hectares surface area, capable of achieving a minimum retention time for all effluent of at least of two (2) days, designed to remove **contaminants** from **waters** released from the production ponds.
G2-2	Chemicals must be used in accordance with manufacturer's requirements and are limited to those approved by the National Registration Authority, prescribed by a veterinarian or which have been declared Exempt from Registration and their use shall be in accordance with the label requirements for aquaculture.
G2-3	All drugs and chemicals authorised to be used at the facility shall only be discharged to the receiving environment at a level prescribed or authorised by the **administering authority**.
Agency interest: Air	
Condition number	**Condition**
A2-1	Exceedance of any of the following levels when measured at any dust **sensitive place** is an **environmental nuisance** for the purposes of condition A1-1. • Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; OR • A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust **sensitive place** downwind of the licensed place/premises to which this **environmental authority** relates, when monitored in accordance with: - Australian Standard AS 3580.9.6 *Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet-Gravimetric method*; or - Any alternative method of monitoring PM10 which may be permitted by the *Air Quality Sampling Manual* as published from time to time by the **administering authority**.

A2-2	When requested by the **administering authority**, dust and particulate monitoring must be undertaken to investigate any complaint of **environmental nuisance** caused by dust and/or particulate matter, and the results notified within 14 days to the **administering authority** following completion of monitoring. Monitoring must include: • For a complaint alleging dust nuisance, dust deposition; and • For a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time. • Must be carried out a place(s) relevant to the potentially affected dust **sensitive places** and upwind control sites.

Agency interest: Water

Condition number	Condition
WT2-1	**Contaminants** must only be released to surface **waters** in accordance with the release limits listed in **Table WT2-1- Contaminant release limits** and the associated monitoring requirements.

Table WT2-1 – Contaminant release limits

Monitoring Point	Discharge Location	Quality Characteristics	Minimum	50th Percentile	90th Percentile	Maximum	Monitoring Frequency
W1	Refer to figure 2 in Schedule 1	pH	7	-	-	8.5	Daily during discharge
W1	Refer to figure 2 in Schedule 1	Dissolved Oxygen (%)	80%	-	-	120%	Daily during discharge
W1	Refer to figure 2 in Schedule 1	Total Nitrogen (mg/L)	-	1.5	3.5	-	Subsequent sampling frequency[1]
W1	Refer to figure 2 in Schedule 1	Total Phosphorus (mg/L)	-	0.1	0.25	-	Subsequent sampling frequency[1]
W1	Refer to figure 2 in Schedule 1	Total Suspended Solids (mg/L)	-	15	25		Subsequent sampling frequency[1]
Background[2] - B1	Receiving **waters** 500 metres upstream of discharge	Total Suspended Solids (mg/L) Total Phosphorus (mg/L) Total Nitrogen (mg/L) Dissolved Oxygen (%)	-	-	-	-	Monthly - when discharging to receiving **waters**
Impacted[3] I1	Receiving **waters** 500 metres downstream of discharge	Total Phosphorus (mg/L) Total Nitrogen (mg/L) Dissolved Oxygen (%)	-	-	-	Background + 10%	Monthly - when discharging to receiving **waters**

[1] Subsequent sampling frequency

Once every two months (for those months when a discharge is occurring), with a minimum of six (6) samples per year. At least two (2) samples must be taken during the later stages of the growing season, no closer than two (2) weeks apart. When drain harvesting, at least one sample must be taken during the later stages of drain harvest.

[2] Background

The impacted water quality sampling must be carried out when discharging to the receiving environment, on the ebb tide within 30 minutes (on the same day) as the discharge water quality sample , at Background point B1 defined as point 500 metres upstream of the discharge

[3] Impacted

The impacted water quality sampling must be carried out when discharging to the receiving environment, on the ebb tide within 30 minutes (on the same day) as the discharge water quality sample, and the Background water quality sample, at impacted point I1 defined as point 500 metres downstream of the discharge

For all monitoring parameters:

- Monitoring must be in accordance with the methods prescribed in the current edition of the Department of Environment and Heritage Protection *Water Quality Sampling Manual* .
- Monitoring and analysis should take account of corrections for hardness as specified in the *ANZECC Water Quality Guidelines;*
- Monitoring location OR release points/areas must be in accordance with Schedule 1 – Figure 2;
- Monitoring must be undertaken during a release; and
- All monitoring devices must be effectively calibrated and maintained.
- Samples must be representative of the release.

WT2-2

The total quantity of treated effluent released from the facility during any day must be in compliance with the release quantities listed in **Table WT2-2 - Release quantity**.

Table WT2-2 - Release quantity

Dry weather release limits			
Predicted tidal range at Mourilyan Port (m-port datum)	**Release volume per tide[1]**	**Discharge to commence at**	**Discharge to cease at**
1m - 2m	1800m^3	1.15 hours after Mourilyan Harbour high tide	Mourilyan Harbour low tide
0.5m – 1m	900m^3	1.15 hours after Mourilyan Harbour high tide	Mourilyan Harbour low tide
0.25m – 0.5m	450m^3	1.15 hours after Mourilyan Harbour high tide	Mourilyan Harbour low tide
<0.25m	0	No release	No release

Wet weather release limits		
Rainfall	**Release volume over a six hour period[1]**	**Discharge to commence at**
For every 20mm of rain	13000m^3	1.15 hours after Mourilyan harbour high tide or 6 hours after the commencement of rain in the catchment

[1] Must be released uniformly over the allowable period

WT2-3

The daily quantity of **contaminants** released must be determined by use of a method with an accuracy of + 5% of the actual amount released.

WT2-4

The release of **contaminants** to **waters** must only occur on the outgoing tide at the times specified in **Table WT2-2 – Release quantity**.

WT2-5

Emergency by-pass of wet weather flow due to extreme weather conditions is permitted at the point indicated in **Schedule 1 – Figure 2**, as the spillway channel and must be notified as soon as practicable.

WT2-6

All ponds used for the aquaculture **activity** at or on the authorised place must be constructed installed and maintained:

a) so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any **waters** (including ground water);
b) so that a freeboard of not less than 0.3 metres is maintained at all times, except in emergencies; and
c) so as to ensure the stability of the ponds' construction.

Agency interest: Noise

Condition number	Condition
N2-1	All noise from the **activity** must not exceed the levels specified in **Table N2-1 – Noise limits** at any noise **sensitive place or commercial place.**

Table N2-1 – Noise limits

Noise level dB(A) measured as	Monday to Saturday			Sunday and Public Holidays		
	7am – 6pm	6pm – 10pm	10pm – 7am	9am – 6pm	6pm – 10pm	10pm – 9am
	Noise measured at the Noise sensitive place					
L_{A10} adj, 10 mins	45	40	30	45	40	30
L_{A1}, adj, 10mins	50	45	35	50	45	35
Noise level (dB(A) measured as	**Noise measured at a Commercial place**					
L_{A10} adj, 10 mins	50	45	35	50	45	35
L_{A1}, adj, 10mins	55	50	40	55	50	40

Associated monitoring requirements

1. The method of measurement and reporting of noise levels must comply with the latest edition of the administering authorities *Noise Measurement Manual.*

N2-2	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: • **$L_{A\ 10,\ adj,\ 10\ mins}$** • **$L_{A\ 1,\ adj,\ 10\ mins}$** • **$L_{A,\ max\ adj,\ T}$** • 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.

Part 3 Site specific conditions

Environmentally relevant activity	Location
1-(2a) Aquaculture >100m^2 but <10ha land	Jay Road Barramundi Farm – Lot 2 Plan SP237170

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

Agency interest: General

Condition number	Condition
G3-1	This **environmental authority** applies to the operation of not more than thirteen (13) ponds at the licenced place having a combined total area of not greater than nine point ninety six (9.96) hectares.

Agency interest: Water

Condition number	Condition
WT3-1	**An appropriately qualified person(s)** must monitor and record all indicator(s) required by and in accordance with **Table WT3-1 - Contaminant release limits** and the associated monitoring requirements.

Table WT3-1 – Contaminant release limits

			Release Limits			
Monitoring Point	**Discharge Location**	**Quality Indicator**	**Minimum**	Mean	**Maximum**	**Minimum Monitoring Frequency**
W1	Refer to figure 1 in Schedule 1	pH	6.5	-	9.0	Daily when a discharge is occurring
		Dissolved Oxygen	4.0 mg/L or 90% of the receiving water value whichever the greater	-	-	
		Total Nitrogen (mg/L)	-	-	3	Monthly - when discharging to receiving **waters**
		Total Phosphorus (mg/L)	-	-	0.4	
		Total Suspended Solids (mg/L)	-	40	75	

Associated monitoring requirements

a) Sampling must be in accordance with the methods prescribed in the current edition of the Department of Environment and Heritage Protection *Water Quality Sampling Manual.*

b) All monitoring devices must be correctly calibrated and maintained.

c) Samples must be taken using representative samples.

WT3-2	The release of **contaminants** to **waters** described as Walter Greek from W1 in accordance with **Schedule1 - Figure 1** must only occur from 1/2 hour after local high water until 1 hour before local low water.

<table>
<tr><td>WT3-3</td><td>The release of contaminants to waters described as Walter Creek from W2 in accordance with Schedule 1 - Figure 1 must only occur during or immediately after extreme rainfall events when release from the primary settlement pond into the wetland treatment ponds would cause damage to the wetland treatment system.</td></tr>
<tr><td>WT3-4</td><td>The stormwater runoff from disturbed areas, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 10years must be retained on site or managed to remove contaminants before release.</td></tr>
<tr><td>WT3-5</td><td>The amount of contaminants released to waters described as Walter Greek shall not exceed the limits prescribed in Table WT3-5 - Maximum permitted quantity of release. The contaminant amounts must be calculated in terms of weight (kg) of contaminant per unit area of total farm (hectares) per day.

Table WT3-5 - Maximum permitted quantity of release
<table>
<tr><th colspan="3">Daily Load (kg/ha/day)</th></tr>
<tr><th>Total Suspended Solids</th><th>Total Nitrogen</th><th>Total Phosphorus</th></tr>
<tr><td>12kg/ha/day averaged over the growing season, applied to the entire farm</td><td>0.8kg/ha/day averaged over the growing season, applied to the entire farm</td><td>0.15kg/ha/day averaged over the growing season, applied to the entire farm</td></tr>
</table></td></tr>
</table>

Definitions

Note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Acid sulphate Soils means a soil, sand, mud or clay containing significant levels of pyrite (iron sulphide), which on exposure to oxidising conditions has resulted in or has the capacity to result in the generation of sulphuric acid in quantities greater than the inherent buffer capacity of the soil.

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

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Averaged over the growing season means the arithmetic average of water quality results obtained for monitoring of the quality characteristic, where the monitoring is undertaken at approximately equal time intervals, for example monthly, and the averaging period commences on the first day on which grow out pond wastewater is released and continues until the last day of the growing season on which wastewater is released, for example, drainage of the last grow out pond holding water.

Commercial place means 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.

Contaminant(s) as defined in Section 11 of the *Environmental Protection Act 1994.*

Environmental authority means an environmental authority granted in relation to an environmentally relevant activity under the *Environmental Protection Act 1994*.

Environmental harm as defined in Section 14 of the *Environmental Protection Act 1994.*

Environmental nuisance as defined in Chapter 1 of the Environmental Protection Act 1994.

Growout pond means a pond, tank, enclosure or other container for the feeding and growing of aquaculture species.

LA 10, adj, 10mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceed for 10% of any 10 minute measurement period, using Fast response.

LA 1, adj, 10mins means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceed for 1% of any 10 minute measurement period, using Fast response.

Land does not include **waters**.

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

Measures have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

"**mg/L**" means milligrams per litre

NATA means National Association of Testing Authorities.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, or surface waters.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public thoroughfare, park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2008*.

Total Nitrogen means the sum total of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

Total Phosphorous means the sum total of the reactive phosphorous, acid-hydrolysable phosphorous and organic phosphorous, as mg/L of phosphorous. This includes both the organic and inorganic fraction of phosphorous.

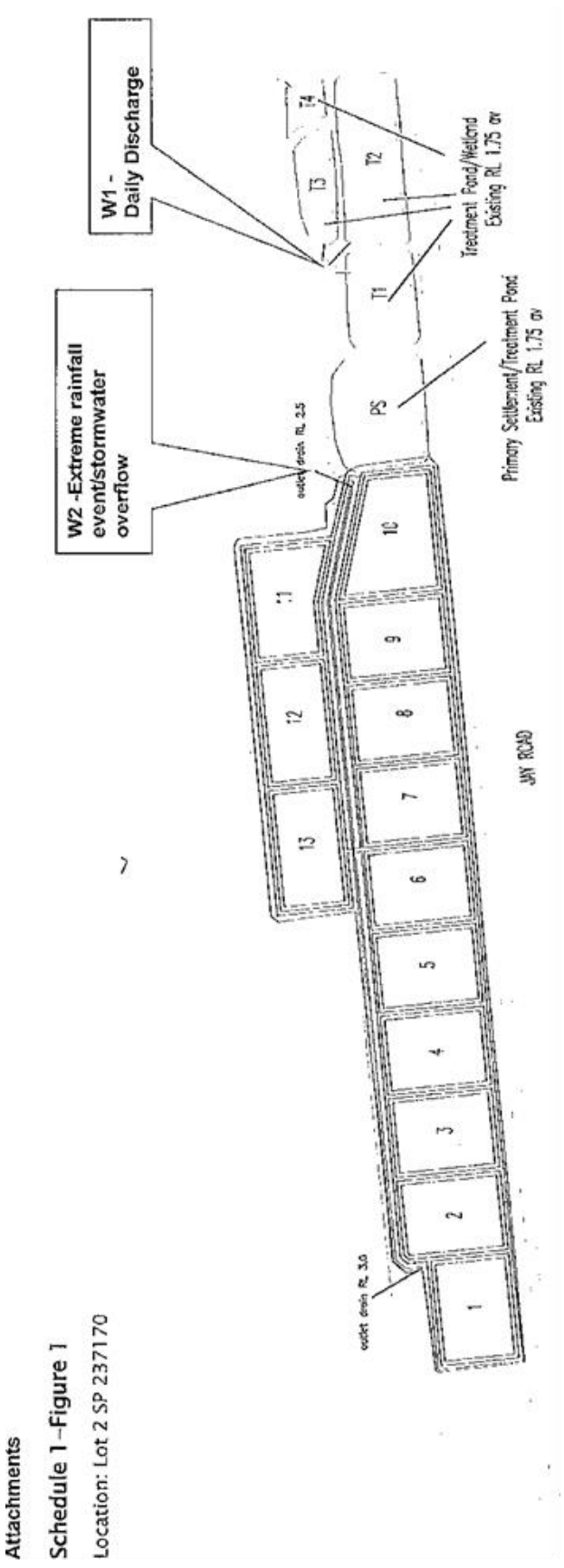
"Waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off,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

24 hour storm event with an average recurrence interval of 1 in 10 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 10 years. *For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 10 years, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2mm/hour = 196.8mm.*

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(s).

90th percentile means not more than one (1) 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(s).

Schedule 1



Attachments

Schedule 1–Figure 1

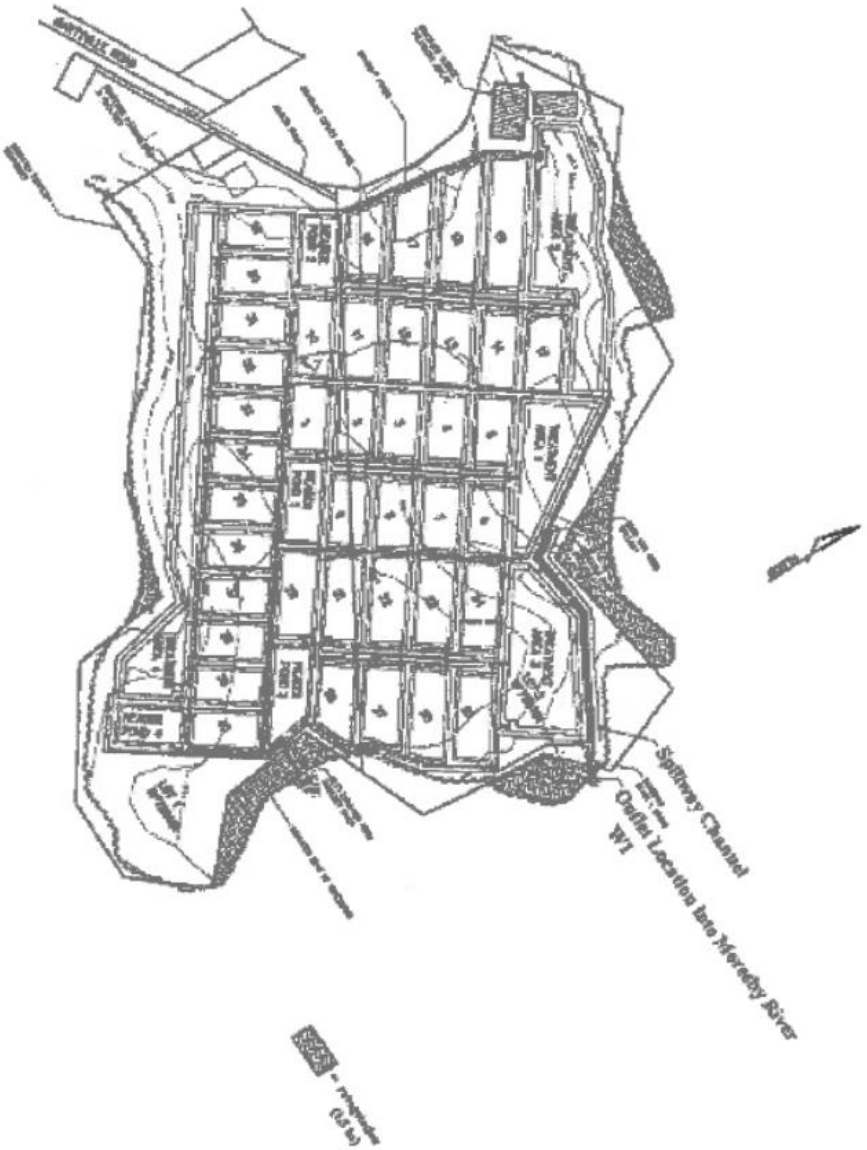
Location: Lot 2 SP 237170

Figure 2:

GROWOUT PONDS	
POND No.	AREA (Hectares)
1	
2	
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10	
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34	
35	
36	
37	
38	
39	
40	
TOTAL	

TREATMENT AREAS	
AREA No.	AREA (Hectares)
1	
2	
3	
4	
TOTAL	

HEADER PONDS	
AREA No.	AREA (Hectares)
1	
2	
3	
4	
TOTAL	



END OF CONDITIONS FOR SCHEDULE I

END OF PERMIT

END OF ENVIRONMENTAL AUTHORITY