Department of Environment and Resource Management

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00765708

This registration certificate is issued by the administering authority and takes effect from: 30-AUG-2011.

The anniversary day for the purposes of the Annual Return is 22 June.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activity listed below at the following place; subject to the conditions set out in development approval attached to the premises.

Registered Operator:-
The Baptist Union of Queensland
53 Prospect Road
GAYTHORNE QLD 4051

Development Approval Number: IPDE00925508

Place:-
Lot 2 Plan RP190956

Located at:-
139 Gold Creek Road, BROOKFIELD QLD 4069

Registered Activity:-
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 (ii) otherwise (Note: not to an infiltration trench or through an irrigation scheme)

Delegate
Linda Gorman
Department of Environment and Resource Management
Environmental Protection Act 1994

30-AUG-2011

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

Queensland Government

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Development Permit

EPA Permit[1] number:	IPDE00925508
Application (Converted Development Approval) No.	SR0947
Relevant Laws and Policies:	*Environmental Protection Act 1994* and any subordinate legislation

Development Description

Property/Location

Lot 2 on plan 190956, County of Stanley, Parish of Indooroopilly.

located at: Resthaven Garden Settlement
139 Gold Creek Road
BROOKFIELD QLD 4069

Carrying out of Environmentally Relevant Activity (ERA)

15(b) - Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1500 equivalent persons

Additional information for applicants

This approval pursuant to the *Environmental Protection Act 1994* **does** not remove the need to obtain any further approval for this development which might be required by other State and / or Commonwealth Legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

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

Environmentally Relevant Activities

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

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

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*.

R. Kent

Delegate of Administering Authority
Environmental Protection Act 1994

Date: 11/7/18

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

Conditions of the Development Approval

This development approval consists of the following schedules of conditions relevant to various issues:

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

This development approval consists of the following schedules-

Schedule A - General Conditions

Schedule B - Air

Schedule C - Water

Schedule D - Stormwater Management

Schedule E - Land Application

Schedule F - Noise

Schedule G - Waste Management

Schedule H - Self Monitoring and Reporting

Schedule I - Definitions

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

SCHEDULE A - GENERAL CONDITIONS

Maintenance of Plant and Equipment

(A1) The registered operator of this development approval must:

(i) install all plant and equipmentnecessary to ensure compliance with the conditions of this development approval; and
(ii) maintain such plant and equipment in a proper and efficient condition; and
(iii) operate such plant and equipment in a proper and efficient manner.

In this condition, "plant and equipment" includes:

(i) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused;
(ii) devices and structures to contain foreseeable escapes of contaminants and waste;
(iii) vehicles used to transport waste;
(iv) devices and structures used to store, handle, treat and dispose of waste;
(v) monitoring equipment and associated alarms; and
(vi) backup systems that act in the event of failure of the primary system.

Display of Development approval

(A2) A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Trained Operators

(A3) All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be:

a) trained in the procedures and practices necessary to:

(i) comply with the conditions of this development approval, and
(ii) prevent environmental harm during normal operation and emergencies; or

b) under the supervision of such a trained person.

Records

(A4) Any record or document required to be kept by a condition of this development approval must be kept at the approved place for a period of at least five 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.

Alterations

(A5) 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.

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.

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Calibration

(A6) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this development approval must be calibrated, and appropriately operated and maintained.

Site-Based Management Plan

(A7) The registered operator of this development approval must implement the submitted Site-Based Management Plan and ensure that the implemented Site-Based Management Plan provides for the effective and appropriate management by the registered operator of this development approval of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.

(A8) The Site-Based Management Plan must provide for at least the following functions:

(i) Routine operating procedures to prevent or minimise environmental harm, however occasioned or caused during normal operations;
(ii) Maintenance practices and procedures;
(iii) Contingency plans and emergency procedures to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation);
(iv) Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
(v) Assessment of the environmental impact of any releases of contaminants into the environment including procedures, methods, record keeping and notification of results;
(vi) Handling of environmental complaints;
(vii) Keeping and production of environmental records and reports;
(viii) Lines and methods of communication to be utilised for communication of procedures, plans, incidents, potential environmental problems and results, including a feedback mechanism to ensure that management is made aware of potential environmental problems and any failure of procedures adopted; and
(ix) Staff training and awareness of environmental issues related to the operation of the environmentally relevant activities, including responsibilities under the Environmental Protection Act.

(A9) A copy of the Site-based Management Plan and any subsequent amendment of the Site-based Management Plan must be kept at the approved place and be available for examination by an authorised person on request.

(A10) The registered operator of this development approval must not implement an Site-Based Management Plan or amend the Site-Based Management Plan where such implementation or amendment would result in a contravention of any condition of this development approval.

(A11) The registered operator of this development approval must submit details of any amendment to the Site-Based Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

End of Conditions for Schedule A

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

SCHEDULE B- AIR

Noxious or Offensive Odour

(B1) Notwithstanding any other condition of this development approval, no release of contaminants from the approved place is to cause a noxious or offensive odour beyond the boundaries of the approved place.

End of Conditions for Schedule B

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

SCHEDULE C - WATER

Release of Contaminants to Waters

(C1) Contaminants must not be directly or indirectly released from the approved place to any waters or the bed and banks of any waters except

(i) as permitted under the water schedule; or
(ii) as permitted under the stormwater management schedule; or
(iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.

Release Point

(C2) 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 listed below:

Release Point W1 - Sewage wastes from the treatment plant via an outfall pipe to waters described as Gold Creek, at 0.5 AMTD.

Release Point Details

(C3) Release Point Number W1 must be submerged at all times.

Quantity of Contaminants Released

(C4) The total quantity of contaminants released from Release Point Number W1 during any dry weather day must not exceed 200 cubic metres and during any day must not exceed 500 cubic metres.

Quality Characteristics of Release to Waters

(C5) The release of contaminants to waters must comply, at the sampling and in-situ measurement points specified in Schedule H, with each of the limits specified in Schedule C Table 1 for each quality characteristic.

SCHEDULE C TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (uninhibited)	10 mg/L	80 percentile
5-day Biochemical Oxygen Demand (uninhibited)	20 mg/L	maximum
Suspended Solids	15 mg/L	80 percentile
Suspended Solids	30 mg/L	maximum
pH	6.5 to 8.5	range
Dissolved Oxygen	2 mg/L	minimum
Free Residual Chlorine	0.7 mg/L	maximum
Faecal Coliforms	200 organisms per 100 mL as a median value (minimum of 5 samples taken at not less than half-hourly intervals in any one day, with 4 out of the 5 samples containing less than 1000 organisms per 100 mL)	

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(C6) Notwithstanding the quality characteristic limits specified in Schedule C Table 1, the release of contaminants to waters must comply with the following qualitative characteristics:

(a) The release must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.
(b) 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.

Pump Station

(C7) Pump stations whose failure would or would be likely to result in a direct or indirect release of contaminants to waters must be fitted with stand-by pumps and pump-failure alarms. Pump failure alarms must be able to operate without mains power if such power failure occurs and, when in operation, must be detectable to those responsible for remedial action.

(C8) No release of contaminants from the pump station shall occur except as a result of power failure, excessive rainfall, accidental damage or other emergency.

(C9) The registered operator of this development approval must implement the Emergency Response/Contingency Plan submitted with the development approval.

(C10) The Emergency Response/Contingency Plan must provide for at least the following functions:

- the response procedures to stop (whenever possible), control or reduce the overflow;
- methods used to ameliorate environmental impact of an overflow in both wet and dry conditions;
- a description of the resources used in response to an overflow event;
- the training of staff that will be called upon to respond to an overflow;
- the availability of documented response procedures to staff attending an overflow event;
- incident reporting to the administering authority;
- procedures to investigate the cause, and implement changes where necessary, to reduce the likelihood of a similar event recurring during dry and wet weather;
- the daily dry weather flow of the pump station; and
- the need for screening to prevent the release of gross solids.

(C11) The Emergency Response/Contingency Plan and any subsequent amendment of the Emergency Response/Contingency Plan must be kept at the approved place and be available for examination by an authorised person on request.

(C12) The registered operator of this development approval must not implement an Emergency Response/Contingency Plan or amend the Emergency Response/Contingency Plan where such implementation or amendment would result in a contravention of any condition of this development approval.

End of Conditions for Schedule C

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

SCHEDULE D -STORMWATER MANAGEMENT

Contaminant Releases Caused by Rainfall

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

Stormwater Management Plan

(D2) The submitted Stormwater Management Plan, must be implemented by the registered operator of this development approval.

(D3) The registered operator of this development approval must submit details of any amendment to the Stormwater Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

Minimise Infiltration

(D4) The registered operator of this development approval must take all reasonable and practicable measures to minimise sewer infiltration.

(D5) For the purposes of demonstrating compliance with condition D4, the registered operator of this development approval must periodically report to the administering authority on the following matters:

(i) the estimated level of infiltration;
(ii) the reasonable and practicable measures intended to minimise infiltration;
(iii) the actions taken to minimise infiltration; and
(iv) periodic re-estimations of the level of infiltration and, by comparison with previous infiltration estimates and connected population, an assessment of the effectiveness of the actions taken to minimise infiltration.

(D6) The initial report must be lodged with the administering authority by 30 December 1998 with subsequent reports to be lodged with the Annual Return in 2000 and at least once every two years thereafter.

Maintenance and Cleanup

(D7) 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 stormwater drainage system.

(D8) Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Bunding

(D9) All chemical tank storages must be bunded so that the capacity of the bund is sufficient to contain at least one hundred percent (100%) of the largest storage tank plus ten percent (10%) of the second largest tank within the bund.

(D10) All chemical drum storages must be bunded so that the capacity of the bund is sufficient to contain at least twenty-five percent (25%) of the maximum design storage volume within the bund.

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(D11) All bunding must be constructed of materials which are impervious to the materials stored.

(D12) All bunding must be roofed where practicable.

(D13) A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.

(D14) All required pipework from the bunded areas must be directed over the bund wall and not through it.

(D15) All empty drums must be stored on a concrete hardstand area with their closures in place.

(D16) The base and walls of all bunded areas must be maintained free from gaps or cracks.

End of Conditions for Schedule D

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SCHEDULE E- LAND APPLICATION

Release of Contaminants to Land

(E1) There must be no release nor likelihood of release of any contaminants to land except from the pump stations as a result of power failure, excessive rainfall, accidental damage or other emergency.

End of Conditions of Schedule E

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SCHEDULE F - NOISE

Emission of Noise

(F1) In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the approved place must not result in levels greater than those specified in Table (1) of the Noise Schedule.

SCHEDULE F TABLE 1

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

End of Conditions for Schedule F

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SCHEDULE G - WASTE MANAGEMENT

General

(G1) The registered operator of this development approval must not:

(i) allow waste to burn or be burned at or on the approved place; nor
(ii) remove waste from the approved place and burn such waste elsewhere.

Waste Management Plan (WMP)

(G2) The registered operator of this development approval must implement the Waste Management Plan submitted with the application for a development approval.

(G3) The Waste Management Plan must detail at least the following matters:

- the quantity and nature of each waste produced, and
- the current method of disposal, and
- proposed methods of pre-treatment or disposal, and
- expected reduction in quantity of waste produced through waste minimisation and cleaner production

(G4) The registered operator of this development approval must submit details of any amendment to the Waste Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

Off Site Movement

(G5) Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this development approval), the registered operator of this development approval must monitor and record the following:

(a) the date, quantity and type of waste removed; 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.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

(G6) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Loading and Unloading Areas:

(G7) All loading/unloading of regulated wastes must only take place in bunded areas or in specified areas.

(G8) The registered operator of this development approval must ensure that a facility or equipment is available for the containment and recovery of any spillage's at the loading point.

Notification of Improper Disposal of Regulated Waste

(G9) If the registered operator of this development approval becomes aware that a person has removed regulated waste from the approved place and disposed of the regulated waste in a manner which is not authorised by this development approval or improper or unlawful, then the registered operator of this development approval must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

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End of Conditions for Schedule G

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SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the registered operator of this development approval relating to operations at the approved place must be recorded in a log book with the following details:

(i) nature, time and date of complaint;
(ii) type of communication (telephone, letter, personal etc.);
(iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);
(iv) response and investigation undertaken as a result of the complaint;
(v) name of person responsible for investigating complaint; and
(vi) action taken as a result of the complaint investigation and signature of responsible person.

Incident Recording

(H2) A record must be maintained of at least the following events:

(i) the time, date and duration of equipment malfunctions where the failure of the equipment resulted in the release of contaminants reasonably likely to cause environmental harm;
(ii) any uncontrolled release of contaminants reasonably likely to cause environmental harm and
(iii) any emergency involving the release of contaminants reasonably likely to cause material or serious environmental harm requiring the use of fire fighting equipment.

Notification of Emergencies and Incidents

(H3) As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this development approval, the registered operator of this development approval must notify the administering authority of the release by telephone or facsimile.

(H4) The notification of emergencies or incidents as required by condition number H3 must include but not be limited to the following:

(i) The name of the registered operator of the development approval;
(ii) the location of the emergency or incident;
(iii) the number of the development approval;
(iv) the name and telephone number of the designated contact person;
(v) the time of the release;
(vi) the time the registered operator of the development approval became aware of the release;
(vii) the suspected cause of the release;
(viii) the environmental harm caused, threatened, or suspected to be caused by the release; and
(ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.

(H5) Not more than fourteen (14) days following the initial notification of an emergency or incident, the registered operator of the development approval must provide written advice of the information supplied in accordance with condition number H3 in addition to:

(i) proposed actions to prevent a recurrence of the emergency or incident; and
(ii) outcomes of actions taken at the time to prevent or minimise environmental harm.

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(H6) As soon as practicable, but not more than six weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident, which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this development approval, the registered operator of the development approval must provide written advice of the results of any such monitoring performed to the administering authority.

Monitoring of Contaminant Releases to Waters

(H7) The registered operator of this development approval is responsible for the making of determinations of the quality of the contaminants released from the approved place for the quality characteristics, and at the frequency specified in Schedule H Table 1:

Schedule H - Table 2

Quality Characteristic	Units	Frequency
5-day Biochemical Oxygen Demand	mg/L	Monthly
Suspended Solids	mg/L	Monthly
pH	pH scale	Monthly
Dissolved Oxygen	mg/L	Monthly
Residual Chlorine	mg/L	Monthly
Faecal Coliforms	cfu/100mL	Monthly
Total Nitrogen (as Nitrogen)	mg/L	Monthly
Total Phosphorus (as Phosphorus)	mg/L	Monthly

Sampling and In-situ Monitoring Point Details

(H8) Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in Schedule C of this development approval must be undertaken at the sampling and in-situ measurement point described as the v-notch weir outlet after the chlorination detention tank.

Quality Determinations

(H9) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the *Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available,.

(H10) All determinations of the quality of contaminants released must be performed by a person or body possesssing appropriate experience and qualifications to perform the required measurements.

Monitoring of Volume of Release

(H11) The daily quantity of contaminants released must be determined or estimated by an appropriate method, for example, a flowmeter.

Receiving Environment Monitoring Program

(H12) The registered operator of this development approval must conduct a Receiving Environment Monitoring Program to monitor the effects of the release of contaminants on the receiving environment.

(H13) The Receiving Environment Monitoring Program must include but not be limited to the following:

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(i) The locations of monitoring stations including monitoring upstream and downstream of the approved release as well as any control locations;
(ii) the proposed sampling depths;
(iii) the water quality characteristics of receiving waters to be determined;
(iv) the frequency of sampling and analysis;
(v) any historical data sets to be relied upon; and
(vi) the type of statistical analysis to be performed on data collected including proposed levels for type 1 and type 2 errors.

(H14) The Receiving Environment Monitoring Program must also consider, but not be limited to, the following:

(i) water quality criteria specified in the Australian & New Zealand Environment & Conservation Council's "Australian Water Quality Guidelines for Fresh and Marine Waters", November 1992; and

(ii) any Environmental Protection Policies enacted under Queensland's *Environmental Protection Act 1994* concerning water quality and ecosystems.

(H15) All determinations of the quality of the receiving waters shall be made in accordance with methods prescribed in the *Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available.

(H16) All determinations of the quality of the receiving waters must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements..

(H17) The registered operator of this development approval must submit a report of the results of the Receiving Environment Monitoring Program including an assessment of the impact of the discharge upon the receiving environment with respect to water quality criteria and the areas of consideration in condition H13 with the initial annual return.

Noise Monitoring

(H18) For the purposes of investigating any complaint made about noise annoyance and also of checking compliance with condition number F1 of the noise schedule monitoring and recording the noise levels from the environmentally relevant activity must be undertaken for at least the following descriptors, characteristics and conditions:

(i) $L_{Amax,\ Adj\ T}$
(ii) $L_{Abg,\ T}$ (or $L_{A90,\ T}$);
(iii) $L_{AN,\ T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99);
(iv) Max $L_{pA\ T}$;
(v) $L_{Aeq,\ T,}$
(vi) The level and frequency of occurrence of impulsive or tonal noise;
(viii) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(ix) Effects due to extraneous factors such as traffic noise.

(H19) Monitoring must also be undertaken to investigate any complaint of noise annoyance upon receipt of a written request from the administering authority to carry out such monitoring.

(H20) The method of measurement and reporting of noise levels must comply with the *Department of Environment and Heritage Noise Measurement Manual, second edition, March 1995*, or more recent additions or supplements to that document as become available.

(H21) The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.

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(H22) In conjunction with the measurement and recording of the noise, the following parameters and conditions must be recorded

(i) location, date and time of recording

Exception Reporting

(H23) The registered operator of this development approval must notify the administering authority in writing of any monitoring result which indicates an exceedance of any development approval limit within twenty-eight (28) days of completion of the analysis.

(H24) The written notification required by condition number H23 above must include:

(i) The full analysis results, and
(ii) Details of investigation or corrective actions taken, and
(iii) Any subsequent analysis.

Monitoring Reporting

(H25) Any monitoring data compiled, collected or recorded as required by conditions of this development approval shall be supplied to the administering authority on an annual basis. These reports shall cover the following periods during the year:

1 January to 31 December.

Each annual Monitoring Report shall be delivered to the administering authority within eight weeks of the close of the twelve month period.

End of Conditions for Schedule H

[1] Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

SCHEDULE I - DEFINITIONS

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

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

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

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

(I4) "authorised person" means a person holding office as an authorised person under an appointment under the *Environmental Protection Act 1994* by the chief executive or chief executive officer of a local government.

(I5) "land" in the Land Application Schedule means land excluding waters and the atmosphere.

(I6) "mg/L" means milligrams per litre.

(I7) "cfu" means colony forming units

(I8) "dry weather day" refers to a day during which no rainfall is recorded at any rainfall measuring station recognised by the Commonwealth Bureau of Meteorology within the sewered area connected to the sewage treatment plant, or if no such measuring station exists, at the nearest such station to the sewage treatment plant. The term also excludes days during which recorded rainfall over the three preceding days exceeds 100 mm.

(I9) "80 percentile compliance" means that not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any twelve (12) consecutive samples where:

(i) the consecutive samples are taken over a one (1) year period;
(ii) the consecutive samples are taken at approximately equal periods; and
(iii) the time interval between the taking of each consecutive sample is not less than twenty-five days.

(I10) "median" means the middle value, 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.

(I11) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I12) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I13) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor less than the lower release limit stated.

(I14) "$L_{Amax\ adj,\ T}$" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

(I15) "Background noise level" means <u>either</u>:

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

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$L_{Abg,T}$ being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.

(I16) "Max$L_{pA\,T}$" means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

(I17) "Total Nitrogen" means the sum of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

(I18) "Total Phosphorus" means the sum of the reactive phosphorus, acid-hydrolyzable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

(I19) "commercial place" means a place used as an office or for business or commercial purposes.

(I20) "noise sensitive place" means-

(a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
(b) a motel, hotel or hostel; or
(c) a kindergarten, school, university or other educational institution; or
(d) a medical centre or hospital; or
(e) a protected area; or
(f) a park or gardens.

(I21) "regulated waste" means non-domestic waste mentioned in Schedule 8 of the *Environmental Protection (Interim) Regulation 1995,* including but not limited to, for the purpose of this authority, Bacterial sludge (septic tank and sewage) and includes-

(a) for an element - any chemical containing the element; and

(b) anything that has contained a regulated waste; and

(c) regulated waste that has been treated or immobilised.

(I22) "annoyance" - In determining what constitutes "annoyance", regard must be had to *Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Conditions.*

(I23) "noxious" means harmful or injurious to health or physical well-being.

(I24) "offensive" means causing unreasonable offense; is unreasonably disagreeable to the sense; is disgusting, nauseous or repulsive.

End of Conditions for Schedule I

END OF CONDITIONS

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