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Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00764808

This registration certificate is issued by the administering authority and takes effect from: 18-FEB-2011.

The anniversary day for the purposes of the Annual Return remains: 11 April.

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 a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-
Australasian Conference Association Ltd
19 Eagle Terrace
BRISBANE QLD 4000

Place:-
Lot 10 Plan SP191312
Located at:-
Old Gympie Road,DAKABIN QLD 4503
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 (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

C. C. Birt .

Cathy Birt
Delegate
Administering authority
Environmental Protection Act 1994

18-FEB-2011

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Development Permit

EPA Permit[1] number:	IPDE00921808
Application (Converted development approval) No.	SR1822
Relevant Laws and Policies:	*Environmental Protection Act 1994* and any subordinate legislation

Development Description

Property/Location

Lot 21, Plan 804908, County of Stanley, Parish of Mackenzie

located at: Old Gympie Road
DAKABIN QLD 4503.

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 1 500 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 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 licences, 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: 13/6/18

[1] Permit includes licences, 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 licences, 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 equipment necessary to ensure compliance with the development approval conditions; and
(ii) maintain and operate such plant and equipment in a proper and efficient condition.

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.

Records

(A2) Any record or document required to be kept by a condition of this development approval must be kept at the office at the approved place for a period of at least five (5) years. 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.

Trained Operators

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

(i) trained in the procedures and practices necessary to:
  (a) comply with the conditions of this development approval, and
  (b) prevent environmental harm during normal operation and emergencies; or

(ii) under the close supervision of such a trained person.

Alterations

(A4) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this development approval.

An example of a substantial increase in the risk of environmental harm is an increase of ten percent (10%) or more in the quantity of the contaminant to be released into the environment.

Site-Based Management Plan

(A5) Within twelve (12) months of the issue of this development approval, the registered operator of this development approval, must develop and implement an effective and appropriate Site-Based Management Plan which details how the registered operator of this development approval will manage the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.

(A6) The Site-Based Management Plan must address at least the following matters:

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(i) Routine operating practices and procedures to prevent or minimise environmental harm, however occasioned or caused during normal operations;
(ii) Procedures to deal with potential issues such as odour, public nuisance and health problems, contamination of surface water, groundwater and land, noise and other relevant issues;
(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.*

End of Conditions for Schedule A

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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 licences, 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 any approved place to any waters or the bed and banks of any waters except:

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

End of Conditions for Schedule C

[1] Permit includes licences, 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) 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.

Maintenance and Cleanup

(D2) 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.

Pond Conditions

(D3) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond from causing environmental harm in any waters (including groundwaters).

(D4) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds' construction.

(D5) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained so that a freeboard of not less than 0.50 metres is maintained at all times.

(D6) All ponds or other structures used for the storage or treatment of contaminants or wastes, including any associated pumps and control equipment, must not be located in any area below the one in ten year flood level.

(D7) All ponds drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of contaminants or wastes.

End of Conditions for Schedule D

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SCHEDULE E - LAND APPLICATION

Release of Contaminates to Land

(E1) The only contaminants to be released to land are treated sewage effluents from the sewage treatment plant.

Sewage Effluent Release Location

(E2) The defined sewage effluent release area is the irrigation area to the north of the property as marked on the site Drawing Ref No 4825 DT "Kallangur Convention Centre prepared by Norris Clarke & O'Brien Pty Ltd, dated 18/8/1998."

(E3) A minimum of 1.10 hectares of land must be provided for the treated sewage effluent contaminant release area.

(E4) The storage ponds must be designed to hold at least 1.2 megalitres of treated sewage effluent.

Quantity of Treated Sewage Effluent Released

(E5) The total quantity of effluent released during any day must not exceed 160 cubic metres.

Quality of Sewage Effluent Released to the Land Application Area

(E6) The rate of application of effluent released to land must not exceed 3mm/day.

(E7) The effluent released from the ponds to the land application area must comply, at the sampling and in-situ measurement point/s specified in Schedule H, with each of the release limits specified in Schedule E Table 1 for each quality characteristic.

SCHEDULE E TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (inhibited)	20 mg/L	80 percentile compliance
5-day Biochemical Oxygen Demand (inhibited)	60 mg/L	maximum
Suspended Solids	30 mg/L	80 percentile compliance
Suspended Solids	90 mg/L	maximum
pH	6.5 to 8.5	range
Dissolved Oxygen	2.0 mg/L	minimum
Faecal Coliforms	1000 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 4000 organisms per 100 mL)	

(E8) Notwithstanding the quality characteristic limits specified in Table 1 of the Land Application Schedule the contaminants released must also comply with the following qualitative characteristics:

(i) The release must not have any properties nor contain any organisms or contaminants in concentrations or which are capable of causing environmental harm.

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Sewage Effluent Release Precautions

(E9) The release of sewage effluent to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.

(E10) When weather conditions or soil conditions preclude the release of treated sewage effluent, the sewage effluent must be directed to the ponds.

(E11) The sewage effluent release area must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released sewage effluent.

(E12) Spray from any release of sewage effluent to land must not drift beyond the boundaries of the approved place.

(E13) Public access to any sewage effluent release area must be denied at all times.

(E14) Notices warning the public not to use or drink the release of sewage effluent to land must be prominently displayed and must be maintained in a visible and legible condition.

(E15) Pipelines and fittings for the release of sewage effluent to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to sewage effluent release pipelines, and the sewage effluent release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the sewage effluent release pipelines where there is public access to the sewage effluent release areas.

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 intrusive noise being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the approved place must not result in levels greater than those specified in Schedule F - Table 1.

SCHEDULE F TABLE 1

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

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.

Off Site Movement

(G2) 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 keep records of the following:

(i) the date, quantity and type of waste removed; and
(ii) name of the waste transporter and/or disposal operator that removed the waste; and
(iii) 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).

Notification of Improper Disposal Of Regulated Waste

(G3) 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.

End of Conditions for Schedule G

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SCHEDULE H - 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 events including but not limited to:

(i) the time, date and duration of equipment malfunctions, including sewage pump stations, that may effect the environmental performance of the approved place; and
(ii) any shut-downs of equipment upon which the environmental performance of the approved place depends.

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 and or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(ix) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance 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 H4 in addition to:

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

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(H6) As soon as practicable, but not more than six (6)weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident, 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 Effluent Released to Land

(H7) For each release to the irrigation area, monitor the quality characteristics of the effluent as specified in Schedule H – Table 1

Schedule H - Table 1

QUALITY CHARACTERISTICS	UNITS
5-day Biochemical Oxygen Demand (inhibited)	mg/L
Suspended Solids	mg/L
pH	pH scale
Dissolved Oxygen	mg/L
Faecal Coliforms	cfu/100 mL
Specific Conductance or electrical conductivity	µS/cm

Sampling and In-situ Monitoring Point Details

(H8) Determinations of the quality of contaminants released to land to check conformity with the release quality characteristics specified in Table 1 - Schedule E of this development approval must be undertaken at the sampling and in-situ measurement point(s) described as prior to land disposal.

Quality Determinations

(H9) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Environmental Protection Agency Water Quality Sampling Manual, 3rd Edition, December 1999, or more recent editions or supplements to that document as such become available.

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

Exception Reporting

(H11) 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 analysis.

(H12) The written notification required by condition number H11 above must include:

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

Monitoring Of Volume of Release

(H13) The daily quantity of sewage effluent released must be determined or estimated by an appropriate method, for example, a flow meter.

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Sewage Effluent Release Area Monitoring Program

(H14) Within twelve (12) months of the date of issue of this development approval, the registered operator of this development approval must develop and implement a Sewage Effluent Release Area Monitoring Program to effectively monitor the condition of the land to which sewage effluent is released.

(H15) Monitoring required by condition H14 shall include the taking of top soil and sub-soil samples from at least 2 sites for the quality characteristics and at the frequency specified in Schedule H Table 2.

Schedule H Table 2

QUALITY CHARACTERISTICS	UNITS	FREQUENCY
pH (in water)	pH scale	Every 2 years
pH (in Calcium Chloride)	pH scale	Every 2 years
Sodium Adsorption Ratio (1:5 Soil/water mix)	calculated	Every 2 years
Exchangeable Cations	mg/kg	Every 2 years
Total Cations	mg/kg	Every 2 years
Specific Conductance or electrical conductivity	µS/cm	Every 2 years
Available Manganese	mg/kg	Every 2 years
Total Nitrogen	mg/kg	Every 2 years
Exchangeable Phosphorus (Colwell)	mg/kg	Every 2 years
Exchangeable Potassium	mg/kg	Every 2 years
Exchangeable Calcium	mg/kg	Every 2 years
Total Chloride	mg/kg	Every 2 years
Exchangeable Magnesium	mg/kg	Every 2 years
Exchangeable Sodium	mg/kg	Every 2 years

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(H16) The Sewage Effluent Release Area Monitoring Program must include but not be limited to the following:

(i) the locations of monitoring stations including soil types and depths; and
(ii) the proposed vegetation characteristics to be monitored.

(H17) The registered operator of this development approval must submit with each Annual Return a report on the Sewage Effluent Release Area Monitoring Program including an assessment of the impact and sustainability of the application of treated sewage wastes to the sewage effluent release area. This report shall include an interpretation of the results and conclusions by an expert in the field of effluent land disposal.

(H18) All determinations of the condition of the sewage effluent release area must be made by a person or body registered by the National Association of Testing Authorities (NATA) for the required determinations.

(H19) The registered operator of this development approval must ensure that the results of all monitoring performed in accordance with this development approval for the period covered by the return are submitted with the Annual Return.

Noise Monitoring

(H20) 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 one(1), ten(10), fifty(50), ninety(90) and ninety-nine(99);
(iv) Max $L_{pA\,T}$;
(v) $L_{Aeq,T,}$
(vi) The level and frequency of occurrence of impulsive or tonal noise;
(vii) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(viii) Effects due to extraneous factors such as traffic noise.

(H21) 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.

(H22) 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.

(H23) 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.

End of Conditions for Schedule H

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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 Environmental Protection Agency or its successor.

(I3) "***annual return***" means the return required by the annual notice under section 68 of the *Environmental Protection Act 1994*.

(I4) "***cfu***" means colony forming units.

(I5) "$L_{Amax\ adj,\ T}$" 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.

(I6) "***land***" in any Land Application Schedule, means land excluding waters and the atmosphere.

(I7) "***maximum***" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I8) "***mg/L***" means milligrams per litre.

(I9) "***minimum***" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I10) "***noxious***" means harmful or injurious to health or physical well-being.

(I11) "***offensive***" means causing unreasonable offence; is unreasonably disagreeable to the sense; is disgusting, nauseous or repulsive.

(I12) "***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.

(I13) "***regulated waste***" means non-domestic waste mentioned in Schedule 8 of the Environmental Protection (Interim) Regulation 1995 and includes-

(i) for an element - any chemical containing the element; and
(ii) anything that has contained a regulated waste; and
(iii) regulated waste that has been treated or immobilised.

(I14) "***sodium adsorption ratio***" (SAR) means the relative concentration of sodium (Na) to calcium (Ca) and magnesium (Mg) in the soil solution.

(I15) "***STP***" means Sewage Treatment Plant.

(I16) "***total Nitrogen***" means the sum of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

(I17) "***total Phosphorus***" means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

(I18) "***waters***" for the purpose of this development approval 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 runoff, and any underground water, or any part thereof.

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(I19) "***Background noise level***" means either:

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

$L_{Abg,\,T}$ 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.

(I20) "***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.

(I21) "***commercial place***" means a place used as an office or for business or commercial purposes.

(I22) "***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.

(I23) "***intrusive noise***" - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

(a) is clearly audible to, or can be felt by, an individual; and
(b) annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

(I24) ***"80th percentile"*** means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

End of Schedule I

END OF CONDITIONS

[1] Permit includes licences, 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

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Southern Regional Office (Brisbane)
GPO Box 2771 Brisbane QLD 4001
Phone:(07) 3224 5641 Fax (07) 3225 8723
www.env.qld.gov.au ABN: 87221158786

Licence No. SR1822 (without development approval)

Section 93 *Environmental Protection Act 1994*

This licence to carry out an environmentally relevant activity is issued in accordance with section 93 of the Environmental Protection Act 1994.

Under the provisions of the *Environmental Protection Act 1994* this licence is issued to:

Australasian Conference Association Ltd ATF
South Queensland Conference Seventh Day Adventist Church
19 Eagle Terrace
BRISBANE QLD 4000

in respect of carrying out the following 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 1 500 equivalent persons

at the following licensed place:

Lot 21, Plan 804908, County of Stanley, Parish of Mackenzie

located at

Old Gympie Road
DAKABIN QLD 4503.

This licence is subject to the conditions set out in the attached schedules.

The anniversary date of this environmental authority is 11 April

This licence takes effect from 20 October 2003

Signed

13/10/03.
Date

D J Brown
Manager Licensing
Delegate of Administering Authority
Environmental Protection Act 1994

Note: This licence document is not proof of the current status of the licence. The current status of the licence may be ascertained by contacting the Environmental Protection Agency.

This environmental authority 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

SCHEDULE A - GENERAL CONDITIONS

Maintenance of Plant and Equipment

(A1) The holder of this environmental authority must:

(i) install all plant and equipment necessary to ensure compliance with the licence conditions; and
(ii) maintain and operate such plant and equipment in a proper and efficient condition.

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.

Records

(A2) Any record or document required to be kept by a condition of this environmental authority must be kept at the office at the licensed place for a period of at least five (5) years. 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.

Trained Operators

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

(i) trained in the procedures and practices necessary to:

(a) comply with the conditions of this environmental authority, and
(b) prevent environmental harm during normal operation and emergencies; or

(ii) under the close supervision of such a trained person.

Alterations

(A4) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.

Site-Based Management Plan

(A5) Within 12 months of the issue of this environmental authority, the holder of this environmental authority, must develop and implement an effective and appropriate Site-Based Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.

(A6) The Site-Based Management Plan must address at least the following matters:

(i) Routine operating practices and procedures to prevent or minimise environmental harm, however occasioned or caused during normal operations;
(ii) Procedures to deal with potential issues such as odour, public nuisance and health problems, contamination of surface water, groundwater and land, noise and other relevant issues;
(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.

End of Conditions for Schedule A

SCHEDULE B - AIR

Noxious or Offensive Odour

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

End of Conditions for Schedule B

SCHEDULE C - WATER

Release of Contaminants to Waters

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

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

End of Conditions for Schedule C

SCHEDULE D - STORMWATER MANAGEMENT

Contaminant Releases Caused by Rainfall

(D1) 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 licensed 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.

Maintenance and Cleanup

(D2) 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.

Pond Conditions

(D3) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond from causing environmental harm in any waters (including groundwaters).

(D4) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds' construction.

(D5) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained so that a freeboard of not less than 0.50 metres is maintained at all times.

(D6) All ponds or other structures used for the storage or treatment of contaminants or wastes, including any associated pumps and control equipment, must not be located in any area below the one in ten year flood level.

(D7) All ponds drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of contaminants or wastes.

End of Conditions for Schedule D

SCHEDULE E - LAND APPLICATION

Release of Contaminates to Land

(E1) The only contaminants to be released to land are treated sewage effluents from the sewage treatment plant.

Sewage Effluent Release Location

(E2) The defined sewage effluent release area is the irrigation area to the north of the property as marked on the site Drawing Ref No 4825 DT "Kallangur Convention Centre prepared by Norris Clarke & O'Brien Pty Ltd, dated 18/8/1998."

(E3) A minimum of 1.10 hectares of land must be provided for the treated sewage effluent contaminant release area.

(E4) The storage ponds must be designed to hold at least 1.2 megalitres of treated sewage effluent.

Quantity of Treated Sewage Effluent Released

(E5) The total quantity of effluent released during any day must not exceed 160 cubic metres.

Quality of Sewage Effluent Released to the Land Application Area

(E6) The rate of application of effluent released to land must not exceed 3mm/day.

(E7) The effluent released from the ponds to the land application area must comply, at the sampling and in-situ measurement point/s specified in Schedule H, with each of the release limits specified in Schedule E Table 1 for each quality characteristic.

SCHEDULE E TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (inhibited)	20 mg/L	80 percentile compliance
5-day Biochemical Oxygen Demand (inhibited)	60 mg/L	maximum
Suspended Solids	30 mg/L	80 percentile compliance
Suspended Solids	90 mg/L	maximum
pH	6.5 to 8.5	range
Dissolved Oxygen	2.0 mg/L	minimum
Faecal Coliforms	1000 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 4000 organisms per 100 mL)	

(E8) Notwithstanding the quality characteristic limits specified in Table 1 of the Land Application Schedule the contaminants released must also comply with the following qualitative characteristics:

(i) The release must not have any properties nor contain any organisms or contaminants in concentrations or which are capable of causing environmental harm.

Sewage Effluent Release Precautions

(E9) The release of sewage effluent to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.

(E10) When weather conditions or soil conditions preclude the release of treated sewage effluent, the sewage effluent must be directed to the ponds.

(E11) The sewage effluent release area must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released sewage effluent.

(E12) Spray from any release of sewage effluent to land must not drift beyond the boundaries of the licensed place.

(E13) Public access to any sewage effluent release area must be denied at all times.

(E14) Notices warning the public not to use or drink the release of sewage effluent to land must be prominently displayed and must be maintained in a visible and legible condition.

(E15) Pipelines and fittings for the release of sewage effluent to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to sewage effluent release pipelines, and the sewage effluent release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the sewage effluent release pipelines where there is public access to the sewage effluent release areas.

End of Conditions of Schedule E

SCHEDULE F - NOISE

Emission of Noise

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

SCHEDULE F TABLE 1

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

End of Conditions for Schedule F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) The holder of this environmental authority must not:

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

Off Site Movement

(G2) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following:

(i) the date, quantity and type of waste removed; and
(ii) name of the waste transporter and/or disposal operator that removed the waste; and
(iii) 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).

Notification of Improper Disposal Of Regulated Waste

(G3) If the holder of this environmental authority becomes 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 the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

End of Conditions for Schedule G

SCHEDULE H - MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the holder of this environmental authority relating to operations at the licensed 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 events including but not limited to:

(i) the time, date and duration of equipment malfunctions, including sewage pump stations, that may effect the environmental performance of the licensed place; and
(ii) any shut-downs of equipment upon which the environmental performance of the licensed place depends.

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

(H5) Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number H4 in addition to:

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

(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 environmental authority, the holder of the environmental authority must provide written advice of the results of any such monitoring performed to the administering authority.

Monitoring of Effluent Released to Land

(H7) For each release to the irrigation area, monitor the quality characteristics of the effluent as specified in Schedule H – Table 1

Schedule H - Table 1

QUALITY CHARACTERISTICS	UNITS
5-day Biochemical Oxygen Demand (inhibited)	mg/L
Suspended Solids	mg/L
pH	pH scale
Dissolved Oxygen	mg/L
Faecal Coliforms	cfu/100 mL
Specific Conductance or electrical conductivity	µS/cm

Sampling and In-situ Monitoring Point Details

(H8) Determinations of the quality of contaminants released to land to check conformity with the release quality characteristics specified in Table 1 - Schedule E of this environmental authority must be undertaken at the sampling and in-situ measurement point(s) described as prior to land disposal.

Quality Determinations

(H9) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Environmental Protection Agency Water Quality Sampling Manual, 3rd Edition, December 1999, or more recent editions or supplements to that document as such become available.

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

Exception Reporting

(H11) The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.

(H12) The written notification required by condition number H11 above must include:

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

Monitoring Of Volume of Release

(H13) The daily quantity of sewage effluent released must be determined or estimated by an appropriate method, for example, a flow meter.

Sewage Effluent Release Area Monitoring Program

(H14) Within 12 months of the date of issue of this environmental authority, the holder of this environmental authority must develop and implement a Sewage Effluent Release Area Monitoring Program to effectively monitor the condition of the land to which sewage effluent is released.

(H15) Monitoring required by condition H14 shall include the taking of top soil and sub-soil samples from at least 2 sites for the quality characteristics and at the frequency specified in Schedule H Table 2.

Schedule H Table 2

QUALITY CHARACTERISTICS	UNITS	FREQUENCY
pH (in water)	pH scale	Every 2 years
pH (in Calcium Chloride)	pH scale	Every 2 years
Sodium Adsorption Ratio (1:5 Soil/water mix)	calculated	Every 2 years
Exchangeable Cations	mg/kg	Every 2 years
Total Cations	mg/kg	Every 2 years
Specific Conductance or electrical conductivity	µS/cm	Every 2 years
Available Manganese	mg/kg	Every 2 years
Total Nitrogen	mg/kg	Every 2 years
Exchangeable Phosphorus (Colwell)	mg/kg	Every 2 years
Exchangeable Potassium	mg/kg	Every 2 years
Exchangeable Calcium	mg/kg	Every 2 years
Total Chloride	mg/kg	Every 2 years
Exchangeable Magnesium	mg/kg	Every 2 years
Exchangeable Sodium	mg/kg	Every 2 years

(H16) The Sewage Effluent Release Area Monitoring Program must include but not be limited to the following:

(i) the locations of monitoring stations including soil types and depths; and
(ii) the proposed vegetation characteristics to be monitored.

(H17) The holder of this environmental authority must submit with each Annual Return a report on the Sewage Effluent Release Area Monitoring Program including an assessment of the impact and sustainability of the application of treated sewage wastes to the sewage effluent release area. This report shall include an interpretation of the results and conclusions by an expert in the field of effluent land disposal.

(H18) All determinations of the condition of the sewage effluent release area must be made by a person or body registered by the National Association of Testing Authorities (NATA) for the required determinations.

(H19) The holder of this environmental authority 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.

Noise Monitoring

(H20) 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;
(vii) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(viii) Effects due to extraneous factors such as traffic noise.

(H21) 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.

(H22) 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.

(H23) 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.

End of Conditions for Schedule H

SCHEDULE I - DEFINITIONS

For the purposes of this environmental authority the following definitions apply:

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

(I2) "***administering authority***" means the Environmental Protection Agency or its successor.

(I3) "***annual return***" means the return required by the annual notice under section 68 of the *Environmental Protection Act 1994*.

(I4) "***cfu***" means colony forming units.

(I5) "$L_{Amax\ adj,\ T}$" 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.

(I6) "***land***" in any Land Application Schedule, means land excluding waters and the atmosphere.

(I7) "***maximum***" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I8) "***mg/L***" means milligrams per litre.

(I9) "***minimum***" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I10) "***noxious***" means harmful or injurious to health or physical well-being.

(I11) **"*offensive*"** means causing unreasonable offence; is unreasonably disagreeable to the sense; is disgusting, nauseous or repulsive.

(I12) "***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.

(I13) "***regulated waste***" means non-domestic waste mentioned in Schedule 8 of the Environmental Protection (Interim) Regulation 1995 and includes-

(i) for an element - any chemical containing the element; and
(ii) anything that has contained a regulated waste; and
(iii) regulated waste that has been treated or immobilised.

(I14) "***sodium adsorption ratio***" (SAR) means the relative concentration of sodium (Na) to calcium (Ca) and magnesium (Mg) in the soil solution.

(I15) **"*STP*"** means Sewage Treatment Plant.

(I16) "***total Nitrogen***" means the sum of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

(I17) "***total Phosphorus***" means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

(I18) "***waters***" for the purpose of this licence 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 runoff, and any underground water, or any part thereof.

(I19) "***Background noise level***" means either:

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

$L_{Abg,\,T}$ 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.

(I20) "***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.

(I21) *"**commercial place**"* means a place used as an office or for business or commercial purposes.

(I22) *"**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.

(I23) "***intrusive noise***" - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

(a) is clearly audible to, or can be felt by, an individual; and
(b) annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

(I24) ***"80th percentile"*** means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

End of Schedule I