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Queensland Government

4 February 2011

Department of
Environment and Resource Management

Timevale Pty Ltd
Lot 1 Frizzo Road
PALMVIEW QLD 1553

Re: New thresholds for sewage treatment plants

Following a review of the environmental risk and emission profiles for sewage treatment plants (STPs) environmentally relevant activities (ERA), the Queensland Government has amended the *Environmental Protection Regulation 2008 (EP Regulation)*. These changes are retrospective to 1 January 2009 for registration certificates with anniversary dates after this date.

The change given effect through amendment of the *EP Regulation* introduces two new thresholds for low risk STPs. The amendments will impact on those STPs which are designed to treat effluent for between 21 to 100 equivalent persons (EP); and 100 to 1500 EP. These new thresholds have been deemed lower risk because they do not discharge their treated effluent to sensitive waters and instead discharge to an infiltration trench, or through an irrigation scheme.

As a result of these changes, your registration certificate/s number ENRE00744108 has been reassessed by the Department of Environment and Resource Management. Following this reassessment it has been determined that the threshold of your activity is in a lower threshold (as per the annual notice). A summary of fees and annual returns is outlined in the table below.

Due Date of Annual Return for Registration Certificate	Annual Fee Paid	Revised Annual Fee	Balance	Annual Report Outstanding (y/n)
12/04/2009	$10,600	$5,400	-$5,200	No
12/04/2010	$5,200 (carried over from previous payment)	$5,400	$200 (invoice enclosed)	Yes (enclosed Annual Return for completion)

Enclosed are the following:

- New registration certificate which reflects the new STP threshold
- Annual Notice and Annual Return for each period based on anniversary dates for the Registration Certificate since 1 January 2009.
- An invoice for the annual fee for each period with adjustments for annual fees paid to date.

GPO Box 2454 Brisbane
Queensland 4001 Australia
Telephone 1300 130 372
Facsimile 3896 3342
Website www.derm.qld.gov.au
ABN 46 640 294 485

DERM has recently introduced invoices for fees associated with environmentally relevant activities, this invoice outlines online and telephone payment options through BPAY and BPOINT. If you prefer to pay by cheque or credit card please send to:

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Resource Management
GPO Box 2454
Brisbane QLD 4001

If you have been paying your fees by EFT and wish to continue doing so, please contact Permit and Licence Management on 1300 130 372 to discuss this option as there are new arrangements and requirements for EFT transactions.

You will also notice some changes to our annual returns. It has recently been updated and is now pre populated for your convenience. Please ensure you use the latest version of your annual return (attached) and avoid using any previous versions of the document which you may have saved in your records.

The annual notice and invoice set out the due date by which the fee must be paid. Failure to pay by the due date will result in a late fee being imposed and the annual fee and the late fee being recovered as a debt. Failure to pay the associated fee and/or submit an annual return may result in the suspension or cancellation of the permit. Suspension or cancellation would mean that activities authorised to occur under the terms of the permit would have to cease.

Where the activity is no longer being carried out, or is continually operating under the threshold stated in your permit, it is recommended that you contact the Department to discuss amending or surrendering your permit. Payment of the annual fee and submission of an annual return is required where an operator remains registered regardless of whether they are currently operating or not.

It is recognised that significant areas of Queensland are currently affected by flooding. If you feel that you are unable to meet the payment terms or have any other questions please contact Permit and Licence Management on telephone 1300 130 372 or send an email to palm@derm.qld.gov.au.

Yours sincerely

Simon Wiggins
Director Implementation and Support Unit
Regional Service Delivery
Department of Environment and Resource Management

ecoaccess
environmental licences and permits

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Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00744108

This registration certificate is issued by the administering authority and takes effect from: 02-FEB-2011.

The anniversary day for the purposes of the Annual Return remains: 29 November.

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:-
Timevale Pty Ltd
Lot 1 Frizzo Road
PALMVIEW QLD 4553

Development Approval Number: SR0335

Place:-
Lot 1 Plan RP217328
Located at:-
Lot 1 Frizzo Road,PALMVIEW QLD 4553
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.E. Birt

Cathy Birt
Delegate
Administering authority
Environmental Protection Act 1994

14-FEB-2011

COBOL

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. SR0355 (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:

Timevale Pty Ltd
Lot 1 Frizzo Road
PALMVIEW QLD 4553

in respect of carrying out the following environmentally relevant activity (ERA):

ERA No. 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 place/s:

Lot 1 on RP 217328, County of Canning, Parish of Mooloolah.

located at Lot 1 Frizzo Road
PALMVIEW QLD 4550.

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

The anniversary date of this licence is 29 November.

This licence takes effect from 27 July 2001.

Signed

20/7/01.
Date

R T Anderson
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.

Schedule of conditions

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

This licence incorporates the following schedules of conditions relevant to various issues:

- 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 - Approved Documents
- Schedule J - Definitions

Schedule A - General conditions

Compliance with Environmental Authority

(A1) Contaminants must not be released to the environment other than in accordance with this environmental authority.

(A2) The holder of this environmental authority must:

(a) install and operate all works and control equipment, and

(b) take all measures, perform all acts and do all things,

necessary to ensure compliance with the conditions of this environmental authority.

Display of Environmental Authority

(A3) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.

(A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.

Alterations

(A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.

Calibration

(A7) All instruments and measuring devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained. The calibration, operation and maintenance of such instruments and measurement devices in accordance with a protocol, which has been approved in writing by the administering authority, is deemed to demonstrate compliance with this condition.

Site-Based Management Plan

(A8) By six months from the date of issue of this environmental authority the holder of this environmental authority must have a Site-based Management Plan which must ensure that the procedures and operations conform to the conditions of this licence.

(A9) The Site-based Management Plan must contain detailed proposals for the management of environmental impacts resulting from the carrying out of the activities under this environmental authority including:

- Operating procedures to prevent or minimise environmental harm and environmental nuisance, however occasioned or caused;
- Maintenance practices and procedures;
- Contingency plans to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including site rehabilitation);
- Emergency procedures;
- Communication of procedures, plans, incidents, potential environmental problems and results;
- Handling of environmental complaints;
- Keeping and production of environmental records and reports,
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Assessment of the environmental impact of any releases of contaminants into the environment; and
- Staff training and awareness of environmental issues related to the operation of the environmentally relevant activities.

(A10) The Site-based Management Plan must be implemented by the holder of this environmental authority.

(A11) The holder of this environmental authority must inform the administering authority in writing of any amendment to the Site-based Management Plan with the Annual Return which immediately follows the enactment of any such amendment.

Release of Visible Light

(A12) Any visible light released from the licensed place must not, in the opinion of an authorised person, cause an environmental nuisance at or beyond the boundary of the licensed place.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Release of Contaminants to the Atmosphere

(B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.

Noxious or Offensive Odour

(B2) 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.

Nuisance

(B3) Notwithstanding any other condition of this environmental authority, this environmental authority does not authorise any release of contaminants which causes or is likely to cause an environmental nuisance beyond the boundaries of the licensed place.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Release of Contaminants to Waters

(C1) Except as otherwise provided by the conditions of the water schedule of this environmental authority the environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to waters.

(C2) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer as permitted or otherwise agreed from time to time by the Local Government.

Pump Stations

(C3) No raw sewage pump stations are permitted to release contaminants to any waters.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Stormwater management

Contaminant Releases Caused by Rainfall

(D1) Except as provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contact of incident rainfall and stormwater runoff with wastes or other contaminants, and prevent or minimise the release or likelihood of release of any such contaminated runoff from the licensed place.

Stormwater Management Plan

(D2) By six months from the date of issue of this environmental authority the holder of this environmental authority must have a Stormwater Management Plan which must ensure that stormwater management conforms to the conditions of this environmental authority (licence).

(D3) The Stormwater Management Plan must have details on the works to be implemented and the timetable proposed to address at least the following issues:

- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants, and
- diversion of upstream runoff away from areas containing wastes or contaminants, and

- minimisation of the size of contaminated areas, and
- cleaning of contaminated areas without water, and
- installation of oil separators, silt and rubbish traps, and stormwater diversion systems, and
- paving and roofing of contaminated areas, and

(D4) The Stormwater Management Plan must be implemented by the holder of this environmental authority provided it conforms to the conditions of the environmental authority (licence).

(D5) The holder of this environmental authority must inform the administering authority in writing of any amendment to the Stormwater Management Plan with the Annual Return which immediately follows the enactment of any such amendment.

(D6) 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

(D7) 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 or environmental nuisance in any waters (including groundwaters).

(D8) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained so that a freeboard of not less than 0.5 metres is maintained at all times.

(D9) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to ensure the stability of the ponds construction.

(D10) 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.

(D11) Ponds or other structures used for the storage or treatment of contaminants or wastes must not be located in any area likely to receive substantial stormwater runoff.

(D12) Suitable banks and or diversion drains must be installed and maintained to prevent stormwater runoff from causing any erosion to the storage effluent pond.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Land application

Release of Contaminants to Land

(E1) Except as otherwise provided by the conditions of the land application schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to land.

Contaminant Release Location

(E2) The defined contaminant release areas are described as approximately 12500 m^2 of Lease E, Plan Ref 3808.01 and approximately 23 400 m^2 of oval as indicated on map as defined as Application 7 in application.

(E3) The contaminant release areas must not be used for grazing, recreational activities or as a traffic thoroughfare during times of irrigation or until dry.

(E4) Release of irrigation water must be on the defined release area. There must be no direct or indirect release of irrigation water to any watercourse or stormwater drain.

(E5) Release of irrigation water to land must not be carried out on areas with a gradient greater than 15%.

(E6) Release of irrigation water to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.

(E7) The release area, where irrigation occurs, must be maintained in a proper condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released water.

(E8) Spray, from any irrigation water, must not drift beyond the boundaries of the licensed place.

Quality of Contaminants Release to Land

(E9) The only contaminant permitted to be released to land is secondary treated disinfected sewage effluent.

(E10) The contaminants released must also comply with the following qualitative characteristics:

(i) The release shall conform with the quality characteristics in Table E1; and

(ii) The release must not have any properties nor contain any organisms or contaminants in concentrations or which, in the opinion of the administering authority, are capable of causing environmental harm or an environmental nuisance.

SCHEDULE E TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS

QUALITY CHARACTERISTICS	SAMPLING POINT	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand	Prior to chlorination	20 mg/L	80th percentile
5-day Biochemical Oxygen Demand	Prior to chlorination	58 mg/L	maximum
Suspended Solids	Prior to chlorination	30 mg/L	80th percentile
Suspended Solids	Prior to chlorination	88 mg/L	maximum
pH	Prior to chlorination	6.5 to 8.5 pH units	range
Dissolved Oxygen	Prior to chlorination	2 mg/L	minimum
Sodium Adsorption Ratio	Prior to chlorination	10	maximum
Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals	Outlet after chlorine contact drum	150 colonies per 100 millilitres	median
Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the *maximum* specified	Outlet after chlorine contact drum	600 colonies per 100 millilitres	maximum

(E11) Public access to the contaminant storage facility must be denied.

(E12) Public access to the contaminant release area must be denied when contaminant is being released and until contaminant has assimilated, percolated, evaporated and transpired from the release area.

(E13) Notices warning the public not to enter the site, use or drink the irrigation water must be prominently displayed and must be maintained in a visible and legible condition.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Noise

Emission of Noise

(F1) Except as otherwise provided by the conditions of the noise schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the emission or likelihood of emission of noise.

(F2) The emission of noise from the licensed 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

Schedule G - Waste management

General

(G1) Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.

(G2) Waste must not be burnt, or allowed to burn on the licensed site or removed and burnt elsewhere unless specifically permitted by an environmental authority.

(G3) Records of trade waste agreements must be made available for inspection on request.

Off Site Movement

(G4) 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 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).

(G5) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

(G6) Records must be maintained for a period of 5 years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

(G7) If the holder of this environmental authority becomes aware that a person has removed waste from the licensed place and disposed of the waste in a manner which is not authorised by this environmental authority or is 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 - Self 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) 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.

(H2) The complaints record required by condition number H1 must be maintained for a period of not less than five (5) years.

Incident Recording

(H3) A record must be maintained of events including but not limited to:

(i) the time date and duration of equipment malfunctions;
(ii) any shut-downs of the sewage treatment works; and
(iii) the hours of operation of the plant;

(H4) The record required by condition number H3 must be maintained for a period of not less than five (5) years.

Notification of Emergencies and Incidents

(H5) 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.

(H6) The notification of emergencies or incidents as required by condition number H5 must include but not be limited to the following:

(i) 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.

(H7) 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 H6 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 and or environmental nuisance, and
(iii) the results of any environmental monitoring performed.

Monitoring of Contaminant Releases to Land

(H8) For the purposes of checking conformity with condition E10 of the Land Application Schedule, the holder of this environmental authority must be responsible for the making of determinations of the quality of the contaminants released. Such determinations must be performed for at least the following quality characteristics:

(a) 5-day Biochemical Oxygen Demand;
(b) Suspended Solids;
(c) pH;

(d) Dissolved Oxygen;
(e) Sodium Adsorption Ratio, and
(f) Faecal Coliforms

(H9) The determinations of the quality of contaminants released to check conformity with condition E10 of the Land Application Schedule must be undertaken at the monitoring and in situ measurement point described as the final effluent tank.

(H10) The determinations of the quality of contaminants released must be performed as often as necessary to check that the conditions of this environmental authority are being complied with, but not less frequently than quarterly.

(H11) All determinations of the quality of contaminants released to the land 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.

(H12) All determinations of the quality of contaminants released must be performed by a person or body registered by the National Association of Testing Authorities (NATA) for the required determinations.

(H13) Records must be kept of the results of all determinations of the quality of contaminants released to the land for a period of at least five (5) years.

(H14) Records must be kept of the results of all determinations of the daily quantity of contaminants released to the land for a period of at least five (5) years.

(H15) The holder of this environmental authority must keep records on each occasion on which any release of contaminants is made to the contaminant release area. Such records must include at least:

(i) date;
(ii) volume;
(iii) time of commencement; and
(iv) duration.

Noise Monitoring

(H16) Noise from the licensed environmentally relevant activity shall be monitored in response to any complaints about the operation of the sewage treatment plant, or if the administering authority requests the holder of this environmental authority to carry out monitoring of noise.

Report Submission

(H17) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority are submitted with the initial Annual Return. Each subsequent Annual Return must include details of the results of monitoring performed during the twelve (12) months preceding that Annual Return.

Exception Reporting

(H18) 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.

(H19) The written notification required by condition number H18 above must include:

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

END OF CONDITIONS FOR SCHEDULE H

Schedule I - Approved Documents

(I1) Nil documents approved.

END OF CONDITIONS FOR SCHEDULE I

Schedule J - Definitions

(J1) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this environmental authority has the meaning conferred to that term in its common usage.

(J2) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this environmental authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

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

(J3) "Act" means the Environmental Protection Act 1994.

(J4) "administering authority" means the Environmental Protection Agency or its successor.

(J5) "land" means land excluding waters and the atmosphere.

(J6) "mg/L" means milligrams per litre.

(J7) "composite" in respect of sampling means either time based taken at hourly intervals to cover the period in the 24 hours of the sampling day during which a contaminant release occurs; or taken after set flow volumes to cover the period of the sampling day during which the contaminant release occurs

(J8) "dry weather flow" refers to a day during which no rain falls within the catchment of the sewage treatment plant for the commencement of measurement for that day. The term also excludes days during which measurement is made which occur within three days following cumulative rainfall of 100 mm over the three preceding days.

(J9) "80th percentile" means that the measured values of the quality characteristic must not be greater than the release limit for any more than one out of five consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.

(J10) "50th percentile" means that the measured values of the quality characteristic must not be greater than the release limit for any more than three out of six consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.

(J11) "grab" sample means one sample collected at any point in time.

(J12) "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.

(J13) "maximum" means that the measured valued of the quality characteristic or contaminant must not be greater than the release limit stated.

(J14) "minimum" means that the measured valued of the quality characteristic or contaminant must not be less than the release limit stated.

(J15) "range" means that the measured valued of the quality characteristic or contaminant must not be less than the higher release limit stated nor lower than the lower release limit stated.

(J16) "$L_{Amax\ adj,\ T}$ " 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.

(J17) "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.

(J18) "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.

(J19) "commercial place" means a place used as an office or for business or commercial purposes.

END OF CONDITIONS FOR SCHEDULE J

END OF ENVIRONMENTAL AUTHORITY