

Environmental Protection Act 1994

Licence No. SR522

Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: Noosa Shire Council

Address: 13 Pelican Street
TEWANTIN QLD 4565

in respect of carrying out the environmentally relevant activities at the following place(s):

Lot 77 on RP 862401, County of Weyba, Parish of March.

located at: the corner of Eumundi Road and Hollett Road
NOOSAVILLE QLD 4566

ERA 43 - Animal housing - commercially operating a boarding kennel or dog pound.

in respect of carrying out the environmentally relevant activities at the following place(s):

Lot 77 on RP 862401, County of Weyba, Parish of March.

located at: the corner of Eumundi Road and the Sunshine Motorway
NOOSAVILLE QLD 4566

ERA 75(a)(v) - Waste disposal - operating a facility for disposing of only general or limited regulated waste, if the facility is designed to received waste at the rate of 20 000 tonnes or more, but less than 50 000 tonnes per year.

ERA 75(b)(i) - Waste disposal - operating a facility for disposing of regulated waste (other than limited regulated waste) whether alone or in combination with any waste mentioned in paragraph (a), if the facility is designed to receive waste at the rate of less than 50 000 tonnes per year.

in respect of carrying out the environmentally relevant activities at the following place(s):

Lot 77 on RP 862401, County of Weyba, Parish of March.

located at: Eumundi Road
NOOSAVILLE QLD 4566
(access from Eumarella Road);

ERA 84(b)(i)-(iv) - Regulated waste storage - operating a facility for receiving and storing other regulated waste, other than waste stored -

- (i) on a farm for use as a soil conditioner or fertiliser in carrying out an agricultural activity; or

Environmentally Relevant Activities:

43 - Animal housing

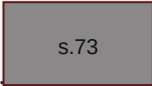
75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (ii) for use in manufacturing a saleable product under another item of this schedule; or
- (iii) for incineration under item 76; or
- (iv) recycling, reprocessing or reconditioning under items 77 to 79 or 81).

This environmental authority is issued subject to the conditions set out in the schedules attached to this environmental authority.

This licence takes effect from 14 June 1999.

signed 

R. Wolff
Regional Manager (Environment)
Delegate of Administering Authority
Environmental Protection Act (1994)

date 21/5/99

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

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 - Monitoring and Reporting

Schedule I - Definitions

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE A - GENERAL CONDITIONS**Release of Contaminants Not Otherwise Provided For**

- (A1) In carrying out the environmentally relevant activities, the holder of this environmental authority must take all reasonable and practical measures to minimise releases and the likelihood of releases of contaminants to the environment, except as otherwise provided by the conditions of this environmental authority.
- (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 or document required to be kept by a condition of this environmental authority must be kept at the licensed place, or at the Noosa Shire Council Chambers where this is not practicable, for a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
- (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, 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.

Calibration

- (A7) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

Nuisance

- (A8) 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.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (A9) All practical measures shall be taken to prevent or minimise the breeding and harbourage of pests, vermin and scavengers, including but not limited to flies, cockroaches, mosquitoes, birds, rats and dogs.

Integrated Environmental Management System (IEMS)

- (A10) The Department of Environment acknowledges the Noosa Shire Council's undertaking to produce an Integrated Environmental Management System (IEMS) which was submitted with the licence application for the Noosa Shire Council's Eumundi Road Landfill, Liquid Waste Transfer Station and Dog Pound. The Department also acknowledges the intention of Noosa Shire Council to produce the abovementioned IEMS within one (1) year of the issue of this environmental authority. A progress report on the proposed IEMS is to be submitted to the administering authority within six (6) months of the issue of this environmental authority.

- (A11) The Integrated Environmental Management System must provide for at least the following functions:

- (i) The monitoring of releases of contaminants into the environment, for example measurement of the quantities and concentrations of releases of contaminants to the environment as required under this environmental authority, including but not limited to the monitoring of groundwater, water, noise, landfill gas, ambient particulates and stormwater and erosion control mechanisms; and
- (ii) The assessment of the environmental impacts of any releases of contaminants into the environment, for example any ambient environmental quality monitoring, noise monitoring or complaints monitoring required under this environmental authority; and
- (iii) The training of all relevant staff, agents and contractors to competent levels in at least the following:
 - (a) The environmental policy of the holder of this environmental authority so that staff are aware of any relevant commitments to environmental management; and
 - (b) Any relevant environmental objectives and targets so that all staff are aware of the relevant performance objectives and can work towards these. Such objectives and targets should be developed in consultation with documents including but not limited to "Waste Management Strategy for Queensland" January 1996 Queensland Department of Environment and Heritage, the Environmental Protection (Waste) Policy Queensland Department of Environment on its completion, and the Great Sandy Region Management Plan 1994 Queensland Government or updated versions thereof; and
 - (c) Control procedures for routine operations for day to day operational activities to prevent or minimise environmental harm, however occasioned or caused. Control procedures should include but not be limited to procedures for waste scrutinisation, exclusion of hazardous waste, regulated waste handling and tracking, material recovery and

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

recycling, coverage, disease vector control, air criteria, stormwater management, leachate management and access control ; and

- (d) Contingency plans and emergency procedures for non-routine situations; including but not limited to fire, chemical spills and the receipt of a form of waste which the landfill facility is not authorised to dispose of; to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - (e) Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - (f) Effective communication to ensure two-way communication on environmental matters between operational staff, management, and Noosa Shire Council Environmental Health Officers as well as communications with the administering authority; and
 - (g) Documentation systems so that appropriate records of environmental matters are kept to satisfy the holder of this environmental authority, the administering authority and the community that the applicant is meeting environmental commitments; and
 - (h) Responsibilities of the holder of this environmental authority and staff under the Act so that these can be met; and
- (iv) The conduct of environmental audits to review periodically:
- (a) the level of environmental performance; and
 - (b) the effectiveness of environmental management procedures adopted; and
- (A12) The conduct of environmental audits required by condition number A11(iv) must be carried out as often as necessary but not less frequently than the frequency specified below:
- (i) the level of environmental performance: annually;
 - (ii) the effectiveness of environmental management procedures adopted: once every two (2) years;
 - (iii) efficiency in using energy and resources and opportunities for more efficient usage: within two (2) years of the granting of this environmental authority and then not less than once every five (5) years.
- (A13) The holder of this environmental authority must prepare a report summarising the outcomes of the environmental audits required by condition number A11(iii) and submit the report with the annual return which follows the conduct of the audits.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

-
- (A14) The holder of this environmental authority must not implement a integrated Environmental Management System or amend the Integrated Environmental Management System where such implementation or amendment would result in a contravention of any condition of this environmental authority.
- (A15) A copy of the Integrated Environmental Management Plan must be kept at the licensed place or the Noosa Shire Council Chambers where this is not practicable.
- (A16) The holder of this environmental authority must submit details of any amendment to the Integrated Environmental Management System to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.
- (A17) A copy of the Integrated Environmental Management Plan must be provided to the administering authority within thirty (30) days of its completion.
- (A18) The IEMS must address the management of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity/activities by the holder of this environmental authority at the following sites:
- (i) Environmentally relevant activities 74 (e) and 76 at the Eumundi Road Landfill, described as Lot 77 on RP 862401, County of Weyba, Parish of March, and located at the corner of Eumundi Road and the Sunshine Motorway, NOOSAVILLE QLD; and
 - (ii) Environmentally relevant activity 84 (b) at the Liquid waste transfer station, described as Lot 77 on RP 862401, County of Weyba, Parish of March, and located at Eumundi Road, NOOSAVILLE QLD (access from Eumarella Road); and
 - (iii) Environmentally relevant activity 43 at the Noosa Council Dog Pound at the RSPCA described as Lot 77 on RP 862401, County of Weyba, Parish of March; and located at the corner of Eumundi Road and Hollet Road, NOOSAVILLE QLD.

End of Conditions for Schedule A

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

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.
- (B2) Exposed wastes must be restricted to the active tipping faces and trenches or discrete recycling areas designated by signage at the Eumundi Road Landfill. The surface area of exposed wastes at the above-mentioned points must be minimised to reduce the release of odour, particulates and landfill gas.
- (B3) The active tipping faces or trenches of landfills must be covered with at least 20 centimetres of earth or another dense incombustible material, with at least the following regularity:
- (i) Eumundi Road Landfill covered daily.

Coverage shall be performed with greater regularity as necessary to control odour and other releases of contaminants, or on the receipt of a request from the administering authority.

Management and Collection of Landfill Gas

- (B4) The holder of this environmental authority must adopt such practices and procedures as necessary to ensure that the concentration of landfill gas (methane standards) generated by any landfill unit does not exceed:
- (i) twenty-five (25) percent of the lower explosive limit for methane in facility structures excluding gas control or recovery system components; and
- (ii) the lower explosive limit for methane at the landfill facility boundary.

Dust Control

- (B5) Temporary roads used to access areas of the landfill facility must be watered or treated with a chemical dust suppressant at a rate adjusted to minimise wind-blown or traffic generated dust and particulate matter.
- (B6) Permanently trafficable areas providing public access to the landfill facility, must be sealed with bitumen or an equivalent hard surface, or otherwise maintained, in a condition which minimises the release of wind blown or traffic generated dust.
- (B7) Any stockpiles of earth, sand or other particulate matter must be maintained so as to minimise wind-blown emissions.

Rehabilitation

- (B8) All landfilled areas must be revegetated as soon as practicable on the completion of waste disposal operations.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (B9) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

End of Conditions for Schedule B

Published on DETSI Disclosure Log
RTI Act 2009

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE C - WATER**Release of Contaminants to Waters**

- (C1) 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 relevant Local Government.

Leachate Collection

- (C2) Notwithstanding any other condition of this environmental authority, no leachate is to be released or discharged from any of the licensed premises.
- (C3) From the date of issue of this licence, the holder of this environmental authority must incorporate effective liner systems into the design of any newly constructed cells or trenches of landfill units at the Eumundi Road Landfill to minimise the release of leachate to any surface waters and groundwaters.
- (C4) Effective leachate collection systems shall be installed in all landfill units.

End of Conditions for Schedule C

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE D - STORMWATER MANAGEMENT**General**

- (D1) The licensed site must be sealed and/or graded to ensure that water does not "pond" on site.
- (D2) The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
- (D3) 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.

High Level Alarms

- (D4) All waste water holding tanks at the Noosa Shire Council Dog Pound at the Eumundi Road RSPCA, must be fitted with high level alarms which are capable of providing the operator in charge of the material transfer operation with an audible and visible warning that 85 percent of the nominal vessel capacity has been reached.
- (D5) All waste water collected in holding tanks at the Noosa Shire Council Dog Pound at the Eumundi Road RSPCA shall be removed by licensed contractor and disposed of to sewer under trade waste agreements where these are required, or otherwise treated or disposed of by an appropriately licensed regulated waste treatment or disposal facility.

Chemical Store Bunding

- (D6) All chemical tank storages at the Eumundi Road Landfill Contractors Depot must be bunded so that the capacity of the bund is sufficient to contain at least 100 % of the largest storage tank plus 10 % of the second largest tank within the bund.
- (D7) All chemical drum storages at the Eumundi Road Landfill Contractors Depot must be bunded so that the capacity of the bund is sufficient to contain at least 25 % of the maximum design storage volume within the bund.
- (D8) All bunding must be constructed of materials which are impervious to the materials stored.
- (D9) All bunding must be roofed where practicable.
- (D10) Where it is impractical to completely roof a bunded area the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
- (D11) A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (D12) All required pipework from the bunded areas must be directed over the bund wall and not through it.

Stormwater Control

- (D13) Suitable diversion drains or embankments must be constructed and maintained to divert clean uncontaminated surface waters away from any area of the licensed premises where contact with wastes or contaminants may occur.
- (D14) Suitable diversion drains or embankments must be constructed and maintained to prevent contaminated stormwater and leachate from contaminating any stormwaters, surface waters or groundwaters.
- (D15) Embankments and diversion drains constructed for stormwater management purposes shall be inspected on a regular basis at intervals not greater than fortnightly. Any breach in an embankment or diversion drain constructed for stormwater management purposes shall be repaired as soon as practicable.

Oil and Grease Conditions

- (D16) A system must be provided for the washing/degreasing of vehicles/plant/equipment which must provide for the collection and disposal of all wastes to an oil separator.
- (D17) Drains and bunds must be provided to ensure surface stormwater runoff is excluded from the washing area.
- (D18) Facilities must be provided for the collection and storage of oil from the separator for disposal in a manner which does not cause contamination of any waters or land.
- (D19) Collected waste oil and sludge from the separator must be regularly removed and disposed of in a manner which does not cause contamination of any waters or land.

Pond Conditions

- (D20) All ponds used for the storage or treatment of leachate and contaminated stormwater 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).
- (D21) All ponds used for the storage or treatment of leachate and contaminated stormwater must be constructed and maintained so that a freeboard of not less than 0.5 metres is maintained at all times.
- (D22) All ponds used for the storage or treatment of leachate and contaminated stormwater must be constructed and maintained to ensure the stability of the ponds construction.
- (D23) Ponds or other structures used for the storage or treatment of leachate and contaminated stormwater, including any associated pumps and control equipment, must not be located in any area below the one in ten year flood level.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (D24) Ponds or other structures used for the storage or treatment of leachate and contaminated stormwater, including any associated pumps and control equipment, must not be located within one hundred (100) metres of any watercourse or other surface waters.
- (D25) Suitable banks and or diversion drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of leachate or other contaminants or wastes.
- (D26) Sediment collected in the leachate and contaminated stormwater pond(s) must be removed whenever the volume of the basin is reduced by thirty (30) percent.

Sediment and Erosion Control on Landfill Sites

- (D27) Effective erosion and sediment controls must be provided and maintained prior to and during any landfill site clearing and operational and rehabilitation works. Such measures must include diversion drainage works and temporary sedimentation traps.
- (D28) Diversion drains, appropriate grades or equivalent must be installed to ensure surface waters from disturbed areas, including operational or trafficable areas, are diverted to the sediment control system.
- (D29) Erosion control and sediment control structures must be maintained at all times during the period of construction and checked, repaired or replaced as required after each rain event.

Stormwater Management Plan

- (D30) Within twelve (12) months of the issue of this environmental authority, the holder must develop and implement a Stormwater Management Plan which details how the holder of this environmental authority will effectively and appropriately manage the carrying out of the environmentally relevant activity/activities so as to prevent, as far as is practicable, any contamination of stormwater and any release of contaminated stormwater, including incident rainfall, stormwater run-off which becomes contaminated and liquids classified as leachate.
- (D31) In developing the Stormwater Management Plan and periodically updating it to incorporate changing practices and future options, the holder of the environmental authority must have regard to the following hierarchy of preferred methods of dealing with stormwater. Where reasonable and practicable, the method of dealing with stormwater which is higher in the hierarchy must be adopted over another method which is lower in the hierarchy.

Hierarchy of methods of dealing with stormwater

The most preferred method (method (1)):

- (1) Avoid the contamination of stormwater in the first place, for example by roofing areas where contaminants and or wastes are stored or handled, diverting uncontaminated stormwater runoff away from areas where contaminants or wastes are stored or handled, by preventing the contact of incident rainfall with contaminants or wastes and utilising alternate materials and or processes.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (2) Minimise the quantity and or hazardous nature of the contaminated stormwater generated, for example by minimising the size of areas where contaminants or wastes are stored or handled and by utilising alternate materials and or processes.
- (3) Recycling of contaminated stormwater produced, for example by incorporating reuse, reprocessing, and utilisation of the stormwater for a worthwhile purpose.
- (4) Treatment of any contaminated stormwater to render it less or non-hazardous.
- (5) Release of the contaminated stormwater as a last resort.

The least preferred method (method (5))

(D32) The Stormwater Management Plan must provide detail 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 without water, 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
- If soil is to be exposed or disturbed as a result of the activities conducted the Stormwater Management Plan must also address,
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
 - revegetation of exposed or disturbed areas, and
 - installation of sediment control measures such as settling basins, and
 - diversion of upstream runoff from exposed or disturbed areas.

(D33) A copy of the Stormwater Management Plan must be provided to the administering authority within thirty (30) days of its completion.

(D34) A copy of the Stormwater Management Plan must be kept at the licensed place or at the Noosa Shire Council Chambers if this is not practicable.

(D35) The holder of this environmental authority must not implement a Stormwater Management Plan or amend a Stormwater Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

(D36) The holder of this environmental authority must submit details of any amendment to the Stormwater Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

End of Conditions for Schedule D

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE E - LAND APPLICATION**Release of Contaminants to Land by Landfilling**

- (E1) Contaminants which may be disposed of by landfilling techniques at each of the licensed premises are as follows:
- (i) Eumundi Road Landfill:
 - (a) general waste and/or limited regulated waste; and
 - (b) regulated waste consisting of batteries, tars and tarry residues, pharmaceutical substances, soils contaminated with hydrocarbons and pesticide containers (triple-rinsed and holed); and
 - (c) minor quantities of other regulated wastes incidental to and commingled with general wastes only.
- (E2) The defined areas for the release of contaminants to land by landfilling are described as:
- (i) to a single exposed tipping face operating at any one time at the Eumundi Road Landfill which lies within the area designated as Proposed Limit of Fill on Drawing Number 1396 A Sheet 2 of 5 Sheets and dated 12-84.

Landfill Leachate and Contaminated Stormwater

- (E3) Leachate from all landfills must be captured by an effective leachate collection system to prevent any discharge of leachate to waters, groundwaters, stormwaters or uncontaminated lands.
- (E4) Collected leachate may be recirculated through the landfill unit in which it was generated, under ground and weather conditions which prevent surface ponding, run-off of leachate or any discharge of leachate to waters, groundwaters, stormwaters or uncontaminated lands.
- (E5) The release of leachate and/or contaminated stormwater to land must not be carried out by any method or under any weather conditions which may result in aerosol formation or drift of spray beyond the boundary of the contaminant release area.

Contaminant Release Area

- (E6) The contaminant release areas must not be used for grazing, recreational activities or as a traffic thoroughfare at any time.
- (E7) All contaminants must be stored or released on the defined contaminant release area. There must be no direct or indirect release of contaminants to any watercourse or stormwater drain.
- (E8) The release of contaminants to land at the Eumundi Road Landfill must not be carried out within 100 metres of any watercourse, waterbody or any boundary of the licensed place.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (E9) Pipelines and fittings for the recirculation of leachate and contaminated stormwater to the landfill unit must be clearly identified. Standard water taps, hoses and cocks must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release areas.

Times of Release

- (E10) The release of contaminants to land must not be carried out between dusk on any one day and dawn on the following day.

End of Conditions for Schedule E

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE F - NOISE**Emission of Noise**

- (F1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes environmental nuisance.
- (F2) Where it is not practicable to prevent any emission of noise as required by condition F1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such emission of noise that constitutes annoyance.
- (F3) In the event of a complaint being made to the administering authority about noise that constitutes annoyance and which 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 Table 1 of the Noise Schedule.

SCHEDULE F TABLE 1

Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level L (Amax adj, T)	Period
Background noise level plus 5 dB(A)	7 am - 6 pm
Background noise level plus 5 dB(A)	6 pm - 10 pm
Background noise level plus 3 dB(A)	10 pm - 7 am
Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level L (Amax adj, TK)	Period
Background noise level plus 10 dB(A)	7 am - 6 pm
Background noise level plus 10 dB(A)	6 pm - 10 pm
Background noise level plus 8 dB(A)	10 pm - 7 am

End of Conditions for Schedule F

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE G - WASTE MANAGEMENT**General**

- (G1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.
- (G2) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.
- (G3) Records of trade waste agreements must be made available for inspection on request.
- (G4) Areas must be set aside for the segregation and storage of recyclable solid wastes at:
- (i) the Eumundi Road Landfill; and
 - (ii) associated waste transfer stations which are open to the public.
- (G5) Reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but not be limited to provision of receptacles; suitable signage; and promotion of awareness of the recycling service among staff.

Notification of Improper Disposal Of Regulated Waste

- (G6) 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.

Regulated Waste Acceptance Conditions:

- (G7) Notwithstanding any other condition of this environmental authority, all regulated wastes must only be stored for removal from the licensed premises within the defined areas described as:
- (i) the PROPOSED STORAGE AREA marked on the Location Plan from Environmental Review - Liquid Waste Transfer Station Lot 77 RP 862401 Noosa Council Dated 1 November 1995; and

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (ii) areas set aside and designated with appropriate signage for specific streams of regulated waste to be collected from the Eumundi Road Landfill by licensed contractor for recycling or treatment.
- (G8) All pipework, valves, pumps, monitoring equipment used at the Liquid waste transfer station must be adequately protected against mechanical damage.
- (G9) Regulated waste materials accepted at the licensed premise(s) will be restricted to those listed in Table One of this schedule, and handled by the methods approved in Table One of this schedule.

SCHEDULE G - TABLE ONE: Regulated waste materials acceptable for receipt at licensed place.

Licence Place	Regulated Waste Type	Approved Handling Method
Eumundi Road Landfill	Waste Oil	Storage in bunded holding tank for collection by licensed contractor
Eumundi Road Landfill	Asbestos	Landfilled under supervision
Eumundi Road Landfill	Other regulated waste accepted by the facility as detailed in condition E1	Landfilled
Eumundi Road Landfill	Grit and screenings from Noosa STP	Landfilled, buried immediately
Liquid Waste Transfer Station	Grease Trap Waste	Storage in bunded holding tank for collection by licensed contractor
Liquid Waste Transfer Station	Oil-arrester Waste	Storage in bunded holding tank for collection by licensed contractor

- (G10) Any regulated waste received at the premises must be accompanied by fully completed waste transport documentation where this is required by state or local government requirements.
- (G11) Every container of regulated waste accepted by the licensed activity must be unambiguously and indelibly identified in a manner which indicates the source of the waste and category of the waste and cross referenced with the relevant waste transport documentation.
- (G12) Regulated waste must not be received from any person who requires a licence but is not licensed to transport such waste under the provisions of the Environmental Protection (Interim) Regulation 1995.

Record Keeping

- (G13) The holder of this environmental authority must keep and maintain permanent records for every load of regulated waste accepted, and must include the following information;
- (a) date of acceptance
 - (b) description of waste
 - (c) cross reference to relevant waste transport documentation
 - (d) quantity of waste

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (e) origin of the waste
 - (f) results of analysis (where applicable)
 - (g) method of waste treatment, reprocessing or disposal used (where applicable)
- (G14) The holder of this environmental authority must keep and maintain permanent records for every load of regulated waste transported off the premises, and must include the following information:
- (a) date of transport
 - (b) description of waste
 - (c) cross reference to relevant waste transport documentation
 - (d) quantity of waste
 - (e) destination of the waste
 - (f) results of analysis (where applicable)
 - (g) method of waste treatment, reprocessing or disposal to be used (where applicable).
- (G15) Records made in accordance with the conditions G13 and G14 must be kept for a period of five (5) years and must be made available to any authorised person of an administering authority on request.

Loading and Unloading Areas:

- (G16) All loading/unloading of regulated wastes occurring at the Liquid Waste Transfer Station must only take place in bunded areas or within the delivery and removal areas defined in Environmental Review - Liquid Waste Transfer Station Lot 77 RP 862401 Noosa Council Appendix D Photo 1 dated 20 May 1996.
- (G17) The holder of this environmental authority must ensure that a facility or equipment is available for the containment and recovery of any spillage's at the loading point.
- (G18) All spillages and washdowns from the transfer of regulated wastes must be contained and disposed of appropriately.

Regulated Waste Storage Conditions:

- (G19) Tank storage of regulated waste at the Liquid Waste Transfer Station and Eumundi Road Landfill must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.
- (G20) Bunding of tank storage of regulated waste must be provided by continuous impervious concrete or masonry bases and bund walls.
- (G21) The base and walls of all bunded areas must be maintained and kept free from gaps and cracks.
- (G22) All bunded areas must be drained to an impermeable sump which is locked to prevent unauthorised discharge to stormwater or sewerage systems.
- (G23) All regulated waste storage tanks must be equipped with operating level indicators.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

(G24) The lids, vents, valves and other openings of all regulated waste storage tanks must be kept closed at all times except when opened for maintenance and operational purposes.

(G25) There must be no visible leakage of the contents from any waste container.

Specific Stormwater Conditions

(G26) The holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.

(G27) Stormwater run-off from adjacent land uses must not be permitted to enter the premises.

(G28) No contaminated stormwater collecting within any bunded area is to be discharged to the stormwater drainage system.

(G29) Disposal of contaminated stormwater collecting within any bunded area must be via sewer with the approval of the relevant local authority in a trade waste permit or via recycling, reprocessing or treatment within the premises.

(G30) All spills outside bunded areas must be cleaned up using dry absorbent material to prevent such spills entering the stormwater system.

Regulated Waste Disposal

(G31) Each container of regulated waste stored awaiting movement off-site must be marked to identify the waste contained therein.

(G32) The holder of this environmental authority licensee must ensure that only a transporter possessing a current licence granted by the administering authority for the transport of regulated waste shall be used for the removal of the licensed waste from the facility.

(G33) Before the loading of the regulated waste for removal, the licensee must advise the transporter of the nature of the waste, hazards associated with the waste and any precautions which need to be taken during the collection, transportation or disposal of the said listed waste.

(G34) The holder of this environmental authority must not permit the mixing of incompatible regulated wastes.

Security

(G35) The holder of this environmental authority must ensure that, at all times while the Liquid Waste Transfer Station is open, at least one person must be present who is responsible for the control and operation of the facility and whose duties must include but are not limited to:

- (a) controlling the reception, storage and removal of waste
- (b) maintaining the facility to a standard acceptable to the administering authority
- (c) controlling all employees working in the facility
- (d) supervising all persons entering the facility

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (G36) The Liquid Waste Transfer Station must be enclosed by security fence of at least 1.8 meters in height. The fencing must be maintained to a standard that will prevent unauthorised access to the premises.
- (G37) Lockable gates at least 1.8 metres high must be provided in the fence referred to in condition G36.
- (G38) The holder of this environmental authority must ensure that all access gates to the Liquid Waste Transfer Station are locked when the licensed activity is unattended.
- (G39) Within twelve (12) months of the issue of this environmental authority, all landfills must be suitably enclosed and provided with lockable gates to prevent vehicular access after hours.

Emergency Precautions

- (G40) Within twelve (12) months of the issue of this environmental authority the holder must submit to the administering authority an emergency contingency plan for dealing with accidental spills and discharges of wastes or chemicals.
- (G41) In the event of any spill or discharge of waste outside the bunded areas, the holder of this environmental authority must immediately bring into operation the procedures specified in the emergency contingency plan required under condition G40.
- (G42) An adequate water supply and distribution system must at all times be available at the Eumundi Road Landfill so that water can be discharged by means of a hose to extinguish a fire at any part of the landfill operations.

Closure and Post-Closure Care

- (G43) On the completion of any landfill unit, the holder of this environmental authority must install a final cover system that is designed to minimise infiltration and erosion and at least comprising of:
 - (a) a sealing layer of low permeability; and
 - (b) surface layer of earthen material that is to be planted with, and be capable of sustaining, vegetation selected for its:
 - (i) capability in minimising erosion by wind or water; and
 - (ii) consistency and/or compatibility with the local endemic vegetation; and
 - (iii) root systems which will not penetrate beyond the surface layer and either block drainage layers or damage any flexible membrane liners.
- (G44) The final cover referred to in condition G43 must be terraced and/or graded with slopes of no greater than fifteen (15) percent to prevent erosion, and revegetated as soon as practicable.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (G45) The holder of this environmental authority must conduct post-closure care of any landfill unit for thirty (30) years or until it can be demonstrated to the administering authority that the site is geotechnically stable and will not release contaminants to the environment. Such care would comprise:
- (i) maintaining the integrity and effectiveness of any final cover; and
 - (ii) maintaining and operating the leachate collection system; and
 - (iii) monitoring the groundwater quality; and
 - (iv) maintaining and operating a landfill gas monitoring system; and
 - (v) maintaining and operating a landfill gas collection system where necessary to meet conditions of this environmental authority.
- (G46) The holder of this environmental authority must begin closure activities of any landfill unit no later than twenty-eight (28) days after the date on which the landfill facility ceases to accept wastes.

End of Conditions for Schedule G

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE H - MONITORING AND REPORTING**Complaint Recording**

- (H1) All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details:
- (i) time, date and nature 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.

Monitoring of Contaminant Releases to the Atmosphere - Landfill Gas Monitoring

- (H2) The holder of this environmental authority must develop and conduct a landfill gas monitoring program for the Eumundi Road Landfill to ensure that the landfill facility complies with methane standards referred to in condition B4.
- (H3) If methane gas levels exceeding methane standards referred to in condition B4 are detected, the holder of the environmental authority must immediately take all necessary steps to ensure protection of human health.
- (H4) The holder of this environmental authority must conduct and keep records of a monitoring program of contaminant releases to the atmosphere in a manner which complies with the following:
- (a) 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.
 - (b) The following tests must be performed for each required determination specified in Table 1:
 - (i) temperature
 - (ii) water vapour concentration,
 - (c) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be normal,
 - (d) during the sampling period the following additional information must be gathered;
 - (i) sampling and measurement point;
 - (ii) day, date and time of sampling and measurement.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

Ambient Particulate Monitoring

- (H5) The holder of this environmental authority must conduct a monitoring program of particulates in ambient air to investigate any complaint of dust or air-borne particulate nuisance or upon receipt of a request from the administering authority to carry out such monitoring.
- (H6) Sampling must be performed at the following locations:
- (i) nearest affected premise(s).
- (H7) Analysis of the obtained samples must be made for the following:
- (i) total water insoluble dust in milligrams; and
 - (ii) dust fallout in milligrams/square metre/day.
 - (iii) total water insoluble dust in milligrams;
 - (iv) dust fallout in milligrams/square metre/day; and
- (H8) The samples must be collected and analysed in accordance with the requirements of Australian Standard AS 3580.10.1 -1991 for Ambient Air - Particulate Matter.
- (H9) Records must be kept of the results of all monitoring of particulates in ambient air for a period of at least five (5) years.

Noise Monitoring

- (H10) Monitoring of noise levels must be undertaken to investigate any complaint of noise nuisance or upon receipt of a request from the administering authority to carry out such monitoring.
- (H11) For the purposes of checking compliance with condition F3, monitoring and recording of the noise levels from the activity/activities must be undertaken for the following descriptions, characteristics and conditions:
- (i) L(Amax, Adj T);
 - (ii) L(Abg, T) or L(A90, T);
 - (iii) The level and frequency of occurrence of impulsive or tonal noise;
 - (iv) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - (v) Effects due to extraneous factors such as traffic noise.
- (H12) 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.
- (H13) 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.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

Notification of Emergencies and Incidents

- (H14) As soon as practicable after becoming aware of any emergency or incident which results in the release or discharge 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.
- (H15) The notification of emergencies or incidents as required by condition number H14 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 or discharge;
 - (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.
- (H16) Not more than fourteen (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 H15 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.

Sediment and Erosion Control on Landfills: Monitoring

- (H17) All erosion and pollution control works must be inspected following every rainfall event. In addition, monthly inspections, to ensure integrity of the works, must be undertaken during dry weather periods. The dates of inspections, observed condition of the control works and any corrective measures taken must be recorded.
- (H18) The following information must be recorded:
- dates of rainfall events;
 - application of any flocculant, neutralising agent or any other substance to any sediment, leachate or contaminated stormwater control pond;
 - result(s) of any water quality monitoring of any bypass discharges of rainfall in excess of the design capacity of any sediment or leachate or contaminated stormwater control pond;
 - the results of site and equipment inspections;
 - corrective measures undertaken.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

Monitoring of Groundwater Quality

- (H19) A network of groundwater monitoring bores must be installed and maintained for the Eumundi Road Landfill. The network must include a sufficient number of wells installed at locations and depths which:
- (i) yield representative groundwater samples from the uppermost aquifer that establish background groundwater quality in hydraulically up-gradient or background well(s) that have not been affected by any potential leakage of contaminants to groundwater; and
 - (ii) yield representative groundwater samples from the uppermost aquifer that establish quality of groundwater down-gradient of any potential leakage of contaminants to groundwater including groundwater passing the relevant point of compliance defined in condition H20.
- (H20) The point(s) of compliance referred to in condition H19(ii) for the ground water monitoring network(s) must be situated not more than 150 metres from any landfill unit or at the boundary of the landfill facility, whichever is least.
- (H21) Each groundwater monitoring bore must be fitted with a locked cap at all times other than at the time of sampling.
- (H22) The holder of this environmental authority is responsible for ensuring a groundwater monitoring program is performed which complies with the following requirements:
- (a) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.
 - (b) All on-site or in-situ measurements or analyses must be made for a contaminant or characteristic if so recommended in the document referred to in paragraph (a) of this condition.
 - (c) 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.
 - (d) Standing water levels in metres must be measured and recorded on each occasion that samples are obtained. Such measurement must be undertaken prior to any disturbance by sampling and must be reported as the depth in metres from the top edge of the casing collar to the water surface within the bore.
 - (e) Samples of groundwater must be taken from each of the bores as often as is necessary to protect human health and prevent environmental harm, but not less frequently than every three (3) months.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (f) The samples obtained in accordance with paragraph (e) of this condition must be analysed for at least the following water quality characteristics:

- (i) pH (field measured); and
- (ii) specific conductance and salinity; and
- (iii) chemical oxygen demand (COD); and
- (iv) ammonia (as nitrogen); and
- (v) nitrate (as nitrogen); and
- (vi) lead; and
- (vii) chloride; and
- (viii) total organic carbon (TOC); and
- (ix) total organic halogen (TOX).

- (H23) The holder of this environmental authority must determine whether there is any statistically significant difference between background values and values at locations hydraulically down-gradient of the landfill unit(s) for any water quality characteristic required to be monitored by condition H22.

- (H24) Records must be kept of the results of all determinations of the quality of groundwaters for a period of at least five (5) years.

Water Monitoring

- (H25) The holder of this environmental authority must monitor the quality of surface waters at monitoring positions described as:

- (i) the small leachate holding pond within the Eumundi Road Landfill catchment area; and
- (ii) the small pond within an adjacent gully and outside the Eumundi Road Landfill catchment area as described on the drawing labelled "Noosa Landfill Sampling Points and Field Parameters" and dated 16/7/93.

- (H26) Surface water monitoring shall be performed for at least the following water characteristics:

- (i) pH (field measured); and
- (ii) dissolved oxygen (field measured); and
- (iii) Escherichia coli; and
- (iv) specific conductance and salinity; and
- (v) suspended solids; and
- (vi) chemical oxygen demand (COD); and
- (vii) total nitrogen; and
- (viii) total phosphorus; and
- (ix) lead; and
- (x) chloride; and
- (xi) total organic carbon (TOC); and
- (xii) total organic halogen (TOX).

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

- (H27) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.
- (H28) 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.
- (H29) Precise and accurate descriptions of all monitoring positions, including the sampling depth and distance from banks, will be recorded along with all water quality characteristic determinations. Records must be kept of the results of all determinations of the quality of groundwaters for a period of at least five (5) years.
- (H30) Samples of water must be taken from each of the monitoring positions as often as is necessary to protect human health and prevent environmental harm, but not less frequently than every three (3) months.

Report Submission

- (H31) 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.

End of Conditions for Schedule H

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE 1 - DEFINITIONS

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

General Definitions

- (11) "holder" means the Noosa Shire Council.
- (12) "mg/L" means milligrams per litre.

Landfill Definitions

- (13) "aquifer" means a saturated permeable geologic unit that can transmit significant quantities of water under ordinary hydraulic gradients.
- (14) "cell" means a section of solid waste that is formed by an earth compartment and covered over with cover material in a solid waste landfill unit.
- (15) "general waste" means waste other than regulated waste.
- (16) "landfill facility" means the landfill operational site as a whole, including landfill units, management and other operational areas.
- (17) "landfill unit" means a discrete area of land or excavation that receives solid waste.
- (18) "leachate" means a liquid that has percolated through or emerged from waste, and which contains soluble, suspended or miscible materials removed from such waste.
- (19) "regulated waste" means non-domestic waste mentioned in Schedule 8 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:
- (a) for an element - any chemical compound containing the element; and
 - (b) anything that has contained a regulated waste.
- (110) "limited regulated waste", for Schedule 1, item 75(a), means any of the following regulated wastes, asbestos, infectious substances or quarantine waste that has been rendered non-infectious, contaminated soil, fish processing waste, food processing waste, poultry processing waste, tyres or treatment tank sludge or residue produced in the carrying out of an activity mentioned in item 15 or 16. Restrictions prescribing the percentage of limited regulated waste acceptable at landfills are in section 6A of the *Environmental Protection Regulation 1998*.
- (111) "trench" means a section of solid waste that is contained in an area excavated from the earth and covered over with cover material in a solid waste landfill unit.

Noise Definitions

- (112) "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.

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

(113) "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.

(114) "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.

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

End of Conditions for Schedule I

Environmentally Relevant Activities:

43 - Animal housing

75(a)(v) & 75(b)(i) - Waste disposal

84(b)(i)-(iv) - Regulated waste storage

SCHEDULE J - APPROVED DOCUMENTS

- (J1) The environmentally relevant activity must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application and any other documents approved by the administering authority as set out in the Approved Documents Schedule.
- (J2) In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents Schedule and the conditions of this environmental authority, the conditions of this environmental authority must apply.

For the purposes of this environmental authority the following stated documents are approved documents:

- 1) Drawing Number 1396 A Sheet 2 of 5 Sheets and dated 12-84; and
- 2) Drawing Number 1-0629 Sheet 1 of 1 Sheet and dated 8/83; and
- 3) Drawing labelled "Noosa Landfill Sampling Points and Field Parameters" and dated 16/7/93; and
- 4) Environmental Review - Liquid Waste Transfer Station Lot 77 RP 862401 Noosa Council Appendix D Photo 1 dated 20 May 1996.

End of Conditions for Schedule J



Licence No. SR2471 (with development approval) Section 86 Environmental Protection Act 1994

This licence, issued under the Environmental Protection Act 1994, allows the administering authority to make conditions with regard to financial assurances and matters relating to an Integrated Environmental Management System (IEMS). The licence and its conditions must be considered in conjunction with any conditions imposed on your development approval granted under the Integrated Planning Act 1997 or its equivalent.

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

Noosa Shire Council
9 Pelican Street
TEWANTIN QLD 4565

in respect of carrying out the environmental relevant activity:

15(a) Sewage treatment - Operating a standard sewage treatment works having a peak design capacity to treat sewage of 21 or more equivalent persons but less than 100 equivalent persons

at the following place(s):

Lot 159 on CP839188.

located at:

Kingfisher Drive, Peregrine Beach QLD 4573.

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

The anniversary date of this licence is **18 December**

This licence takes effect from **18 December 2002**.

s.73

18 December 2002

Date

Nerida Budd
District Manager
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.

s.73



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 this 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 authority incorporates the following schedules of conditions relevant to various issues:

- Schedule A - General Conditions
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A - General Conditions

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE A

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:

Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

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

END OF CONDITIONS FOR SCHEDULE H

Schedule I - Maps / Plans

There are no attachments to this schedule.

END OF CONDITIONS FOR SCHEDULE I

END OF ENVIRONMENTAL AUTHORITY



Licence No. SR2509 (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:**

Noosa Shire Council
9 Pelican Street
TEWANTIN QLD 4565

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

ERA No 67(a) – Sawmilling or woodchipping

Sawing, cutting, chipping, compressing, milling or machining logs, drying logs in a kiln or manufacturing secondary wooden products, in a mill or works having a design production capacity of 500 t or more but less than 5 000 t per year.

at the following place/s:

Lot 1 RP 88582	County of March Parish of Tewantin Title Ref. 13955238
Lot 1 RP 153299	County of March Parish of Tewantin Title Ref. 15572077
Lot 1 RP 87371	County of March Parish of Tewantin Title Ref. 13189215
Lot 2 RP 110206	County of March Parish of Tewantin Title Ref. 13955238
Lot 2 RP 47020	County of March Parish of Tewantin Title Ref. 12613020
Lot 2 RP 87371	County of March Parish of Tewantin Title Ref. 13955238
Lot 3 RP 87371	County of March Parish of Tewantin Title Ref. 13120121
Lot 2 RP 153299	County of March Parish of Tewantin Title Ref. 15572078
Lot 3 RP 153299	County of March Parish of Tewantin Title Ref. 15572079

located at: 1 Maple Street
COOROY QLD 4563



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

The anniversary date of this licence is 18 December.

This licence takes effect from 29 January 2003.

s.73

29/1/03
Date

Nerida Budd
District Manager
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 measurement 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.

Nuisance

- (A8) 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.

Site Based Management Plan

- (A9) Within six (6) months of the date of issue of this authority the holder of this environmental authority must submit a Site-based Management Plan which is acceptable to the administering authority.
- (A10) The Site-based Management Plan must contain 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.
- (A11) The Site-based Management Plan must be implemented within twelve (12) months of the date of issue of this authority.
- (A12) The holder of this environmental authority must submit details of any amendment to the Site-based Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

END OF CONDITIONS FOR SCHEDULE A



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 reasonable and practicable means to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.
- (B2) When carrying out the environmentally relevant activity which is the subject of this licence, the licensee must take all reasonable and practicable measures to prevent or minimise the emission of noxious or offensive odours beyond the boundaries of the licensed place.
- (B3) Contaminants specified in Table 2 of this schedule may be released to the atmosphere from those release points specified in Table 1 of this schedule at the specified minimum release height and efflux velocity and without impediment to vertical discharge.

SCHEDULE B - Table 1

Contaminant Release Points

RELEASE POINT NUMBER	SOURCE DESCRIPTION	MINIMUM RELEASE HEIGHT (metres)	MINIMUM EFFLUX VELOCITY (metres/second)
D1	Boiler Stack	12 metres	8m/s

Release Point Number(s) in this table means discharge or emission points described in item A4 of page 5 of "Sawmilling, Treatment Plant and Timber Processing - Licence Application Details" submitted in the application for environmental authority.

- (B4) Contaminants must not be released to the atmosphere from a release point specified in Table 1 of this schedule concentration in excess of that stated in Table 2 of this schedule.

SCHEDULE B - Table 2

Release Limits of Contaminants to the Atmosphere

RELEASE POINT NUMBER	CONTAMINANT	RELEASE LIMIT	RELEASE LIMIT UNITS
D1	Particulate	Boiler to be operated at all times to minimise the release of particulates	-----
D1	Dark Smoke	Ringlemann 1 - limit must not be exceeded sixteen (16) minutes in aggregate during any eight (8) hours on any day	Ringlemann number

Release Point Number(s) in this table means discharge or emission points described in item A4 of page 5 of "Sawmilling, Treatment Plant and Timber Processing - Licence Application Details" submitted in the application for environmental authority.

Cyclones

- (B5) All contaminants leaving the cyclones must be directed to a fabric filter dust collector within twelve (12) months of the date of issue of this environmental authority.



- (B6) All collected material removed from the cyclone must be removed and disposed of in a manner that will not cause the release of contaminants to the atmosphere or to waters.

Fabric Filter Dust Collector

- (B7) Contaminants must not be released to the atmosphere from the fabric filter dust collector in a concentration in excess of 120 mg/m^3 .
- (B8) All collected material removed from the fabric filter dust collector must be removed and disposed of in a manner that will not cause the release of contaminants to the atmosphere or to waters.
- (B9) A filter medium breakthrough detector must be installed in the outlet of the fabric filter dust collector.
- (B10) An audible and visible alarm must warn the operator in charge of the fabric filter dust collector whenever filter medium breakthrough occurs.
- (B11) An electrical interlock must cause the safe shutdown of the equipment served by the fabric filter dust collector in the event of filter medium breakthrough.
- (B12) Replacement bags for fabric filter dust collectors must be held on site at all times.

Boiler

- (B13) The quantity of sawdust to be burned in the boiler must be less than 500 kilograms per hour.
- (B14) The only type of fuel to be burned in the boiler is sawdust that has been produced as a result of milling raw untreated timbers.
- (B15) Borax/boron and/or CCA treated material must not be used as fuel in the industrial fuel burning equipment.

Materials Handling

- (B16) All external material transfer conveyers must be sufficiently enclosed to prevent or minimise the emission of particulates.
- (B17) All sawdust silos, bins and sheds must be sealed to prevent or minimise the emission of particulates.

Dust Minimisation: Traffic Movements

- (B18) Within twelve (12) months of the date of issue of this authority, trafficable areas must be sufficiently sealed, or otherwise maintained to minimise the release of wind blown or traffic generated dust.

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.
- (C3) Boiler blowdown sludge and boiler waters must not be directly or indirectly released from the licensed place to the bed and banks of any waters or to the bed and banks and waters of Cooroy Creek.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - STORMWATER MANAGEMENT

Contaminant Releases Caused by Rainfall

- (D1) Except as otherwise provided by the conditions of the Stormwater Management Schedule and the Water Schedule of this 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) Within six (6) months of the date of issue of this authority the holder of this environmental authority must prepare and submit a Stormwater Management Plan for the licensed place.
- (D3) The Stormwater Management Plan must provide detail 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 such as sawdust stockpiles, tannin leachate etc, and
 - diversion of upstream runoff away from areas containing wastes or contaminants, and
 - minimisation of the area of any contaminated areas, and
 - cleaning of contaminated areas without water, and
 - installation where necessary of oil separators, silt and rubbish traps, stormwater first flush diversion systems, settling basins, silt fence and/or buffer fence line
 - paving and roofing where necessary of any contaminated areas, and
 - minimisation of the area of bare, exposed or disturbed areas, and
 - re-vegetation of bare, exposed or disturbed areas with an appropriate range of local species, particularly along the Cooroy Creek line, and



- diversion of upstream runoff from exposed or disturbed areas.

(D4) The holder of this environmental authority must submit details of any amendment to the Stormwater Management Plan to the administering authority with the Annual Return.

Fuel Storage Bunding

(D5) Stormwater captured within the diesel tank bund is to be free from contaminants or wastes prior to release to any waters.

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.

END OF CONDITIONS FOR 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 Table 1 Schedule F

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) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.
- (G2) Notwithstanding condition G1, untreated wood waste may be burned provided:
- (i) for the purpose of minimising the release of contaminants to the environment, consideration is given to all other possibilities of recycling and disposing of wood waste. Some of these alternative methods of recycling and disposing include:
 - (a) chipping offcuts and selling or giving away the chips,
 - (b) use of offcuts for landscaping, mulch or composting,



- (c) disposal to landfill,
 - (d) pit burning, and
 - (e) selling or giving away offcuts for other purposes;
- (ii) the release of contaminants from such burning does not have an adverse effect on people living in or using the surrounding area or cause any other nuisance effect;
 - (iii) the fire is confined to a small area and the start and finish time of the burn is controlled;
 - (iv) the holder of this environmental authority must have a person on the site to supervise all burning activities from beginning to end; and
 - (v) the holder of this environmental authority must maintain a written record of the start and finish times of any burning activities.
- (G3) Borax/boron and/or CCA treated materials such as sawdust and timbers must not be incinerated or allowed to burn on the licensed site or incinerated at any other place.
- (G4) Regulated waste must not be disposed of on site or released to lands or released to waters.

Waste Storage And Handling Conditions

- (G5) Separate storage areas must be provided for the segregation of chemically treated wastes including Borax/Boron and/or CCA sawdust from untreated sawdust and timbers.
- (G6) The storage of such treated wastes in condition number G5, must be within a sufficiently sealed, walled and roofed enclosure provided with an impervious concrete base. The storage area must prevent the emission of particulates and contamination of any waters.
- (G7) Untreated sawdust stockpiles must be in a sufficiently sealed, walled and roofed enclosure where practical, or on a raised impervious sealed surface enclosed by walls on three sides or other sufficient enclosure to prevent or minimise the emission of particulates and any contaminated runoff to waters.
- (G8) Untreated sawdust stockpiled in any three sided enclosure, must be maintained at least 0.5 metres below the highest point of the walls and at least 0.5 metres inside the open ended section.
- (G9) Storage of boiler ash must be in suitable containers that prevent the loss of contents to the atmosphere, land or waters.

Off Site Movement

- (G10) 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.
- (G11) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (G12) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.



- (G13) 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 releases of contaminants from 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 fuel burning equipment;
 - (iii) the hours of operation of the plant;
- (H4) The record required by condition number 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 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 the Atmosphere

- (H8) The holder of this environmental authority must conduct and keep records of any exceedances of the release limit for dark smoke indicated in Schedule B - Table 2 Release Limits of Contaminants to the Atmosphere. The following additional information must also be recorded:
- (a) Duration of exceedance
 - (b) Fuel burning rate
 - (c) Ringlemann number of dark smoke emitted

Records

- (H9) Records must be kept of the results of all monitoring of releases of contaminants to the atmosphere for a period of at least five (5) years.

Boiler Ash Monitoring

- (H10) A representative sample of each load of boiler ash removed for disposal must have the content of Copper, Chromium, Arsenic, and Boron certified. The certificate must:
1. give the name and company position of the person making the certificate and the date certified; and
 2. include a copy of the NATA accredited laboratory results for the sample tested; and
 3. certify the sample was collected and tested in an appropriate manner; and
 4. give an opinion as to whether the results are consistent with boron/borax/CCA treated materials or other chemically treated materials being used as fuel in the boiler.
- (H11) Boiler ash monitoring is to be conducted until no longer required by the administering authority. Records must be kept of the results of all boiler ash monitoring for a period of at least five (5) years.

Noise Monitoring

- (H12) Monitoring and recording of noise levels from the environmentally relevant activity to check conformity with condition number F1 of the Noise Schedule must be undertaken at noise sensitive areas of adjoining premises.

- (H13) For the purposes 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) $L_{Aeq, T}$ (or $L_{A90, T}$);
 - (iii) The level and frequency of occurrence of impulsive or tonal noise;
 - (iv) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - (v) Effects due to extraneous factors such as traffic noise.
 - (vi) Location, date and time of recording
- (H14) The holder of this environmental authority must monitor and record the noise levels as often as is necessary to check compliance with the conditions of this authority.
- (H15) In addition to monitoring at the frequency prescribed in condition number H14, monitoring must also be undertaken to investigate any complaint of unreasonable intrusive noise upon receipt of a request from the administering authority to carry out such monitoring.
- (H16) The method of measurement and reporting of noise levels must comply with the Department of Environment Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.
- (H17) The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the administering authority.
- (H18) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least five (5) years.

Report Submission

- (H19) 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

- (H20) 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.
- (H21) The written notification required by condition number H20 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) The environmentally relevant activity must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application and any other documents approved by the administering authority as set out in the Approved Documents Schedule.
- (I2) In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents Schedule and the conditions of this environmental authority, the conditions of this environmental authority must apply.

For the purposes of this environmental authority the following stated documents are approved documents:

All information supplied within all applications for environmental authority and submissions.

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 Department of Environment or its successor.
- (J5) "land" means land excluding waters and the atmosphere.
- (J6) "cubic metre" ("m³") means the volume of dry gaseous contaminant which occupies 1 cubic metre at a temperature of zero degrees Celsius and at an absolute pressure of 101.3 kilopascals.
- (J7) CCA treated material means any material containing or likely to contain copper, chromium and arsenic compounds.
- (J8) "regulated waste" means non-domestic waste mentioned in Schedule 8 of the Environmental Protection (Interim) Regulation 1995 and includes:
 - (a) for an element - any chemical compound containing the element; and
 - (b) anything that has contained a regulated waste; and
 - (c) regulated waste that has been treated or immobilised.

It also includes (but not limited to) CCA treated materials, borax solutions and holding vessels, boiler ash, boiler blowdown sludge and boiler waters.

- (J9) " $L_{Amax\ adj, T}$ " 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.
- (J10) "background noise level" means either:



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

$L_{Avg, T}$ 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.

- (J11) " $MaxL_{pAT}$ " means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

END OF CONDITIONS FOR SCHEDULE J

Published on DETSI Disclosure Log
RTI Act 2009



Licence No. SR0551
(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:

Noosa Shire Council
9 Pelican Street
TEWANTIN QLD 4567

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

ERA 15(c) - Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 1 500 or more equivalent persons but less than 4 000 equivalent persons.

at the following place/s:

Lot 2 on RP 119674, Parish of Tewantin, County of March

located at: Mary River Road
COOROY QLD 4563

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

ERA 15(e) - Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 10 000 or more equivalent persons but less than 50 000 equivalent persons.

at the following place/s:

Lot 14 on SP 103603, Parish of Weyba, County of March

located at: off Cooyar Street
NOOSA HEADS QLD 4563



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

The anniversary date of this licence is 15 July.

This licence takes effect from 1 December 2003.

s.73

24/11/03

Date

Nerida Budd
District Manager
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.

Published on DETSI Disclosure Log
RTI Act 2009

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 - Monitoring and Reporting
- Schedule I - Definitions
- Schedule J - Approved Documents

SCHEDULE A - GENERAL CONDITIONS

Release of Contaminants Not Otherwise Provided For

- (A1) In carrying out the environmentally relevant activity/activities, the holder of this environmental authority must take all reasonable and practicable measures to prevent and/or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity/activities, that, if carried out incompetently, may cause environmental harm, in a manner that could be prevented, shall be carried out in a proper manner by a competent person in accordance with the conditions of this authority.

Maintenance of Plant and Equipment

- (A2) The holder of this environmental authority must:
- (i) install all plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - (ii) maintain such plant and equipment in a proper and efficient condition; and
 - (iii) operate such plant and equipment in a proper and efficient manner.

In this condition, "plant and equipment" includes:

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

Display of 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 or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
- (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, 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.

Trained Operators

- (A7) 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.

Calibration

- (A8) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

Integrated Environmental Management System (IEMS)

- (A9) The holder of this environmental authority must:
- (a) develop and implement an IEMS which provides for the following functions:
 - the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
 - staff training and awareness of environmental issues; and
 - the conduct of environmental and energy audits; and
 - waste prevention, treatment and disposal; and
 - (b) lodge with the administering authority on or before 1 September 1997 and at three monthly intervals thereafter until 1 July 1998, a brief report describing the progress in developing and implementing the IEMS; and
 - (c) on or before 1 July 1998, have completed and implemented the IEMS; and
 - (d) on or before 1 December 1997 lodge a detailed description of the IEMS and its documentation with the administering authority for its review and comment; and
 - (e) have due regard to that comment in the finalisation of the IEMS.



- (f) amend the draft IEMS dated August 1998 to exclude the Cooroy Water Treatment Plant by 25 August 1999.

(A10) The IEMS must address the management of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity/activities by the holder of this environmental authority at the following sites:

- (i) sewage treatment plant at Mary River Road, COOROY; and
- (ii) sewage treatment plant off Cooyar Street, NOOSA HEADS.

(A11) A copy of the IEMS must be kept at the licensed place where practical.

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.

Site-Based Management Plan

(A13) By 1 July 1998 the holder of this environmental authority, must develop and implement an effective and appropriate Site-based Management Plan for the following sites:

- (i) sewage treatment plant at Mary River Road, COOROY; and
- (ii) sewage treatment plant off Cooyar Street, NOOSA HEADS.

which detail 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.

(A14) The Site-based Management Plan must address at least the following matters:

- (i) Routine operating procedures to prevent or minimise environmental harm, however occasioned or caused during normal operations;
- (ii) Maintenance practices and procedures;
- (iii) Contingency plans and emergency procedures to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation);
- (iv) Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- (v) Assessment of the environmental impact of any releases of contaminants into the environment including procedures, methods, record keeping and notification of results;
- (vi) Handling of environmental complaints;
- (vii) Keeping and production of environmental records and reports;
- (viii) Lines and methods of communication to be utilised for communication of procedures, plans, incidents, potential environmental problems and results, including a feedback mechanism to ensure that management is made aware of potential environmental problems and any failure of procedures adopted; and
- (ix) Staff training and awareness of environmental issues related to the operation of the environmentally relevant activities, including responsibilities under the Environmental Protection Act.
- (x) Investigation and evaluation of alternative treatment options which shall include at least the following:
 - (a) cleaner production technologies including nutrient removal;
 - (b) disposal and/or reuse of effluent and stockpiled dried sludge; and
 - (c) reporting the results of any investigation and evaluation to the administering authority.

(A15) A copy of the Site-based Management Plan must be kept at the licensed place and be available for examination by an authorised person on request.



- (A16) The holder of this environmental authority must not implement a Site-based Management Plan or amend a Site-based Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.
- (A17) 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 A

SCHEDULE B- AIR

Release of Contaminants to the Atmosphere

- (B1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to the atmosphere.
- (B2) Where it is not practicable to prevent the release of contaminants to the atmosphere as required by condition B1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise the release or likelihood of any such release of contaminants to the atmosphere.

Noxious or Offensive Odour

- (B3) No release of contaminants from the licensed place is to cause any noxious or offensive odour at any odour sensitive place unless the holder of the environmental authority:
- (i) carries out the activities in accordance with best practice environmental management for the prevention or minimisation of such odour; and
 - (ii) demonstrates the said best practice environmental management to the administering authority.

Standby Generators

- (B4) Catalytic oxidation purifiers must be installed in exhaust pipes as close as practicable to all engines and all releases of contaminants to the atmosphere are to be via these purifiers.

END OF CONDITIONS FOR SCHEDULE B



SCHEDULE C - WATER

Release of Contaminants to Waters

- (C1) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except:
- (i) as permitted under the water schedule; or
 - (ii) as permitted under the stormwater management schedule; or
 - (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
- (C2) The only contaminants permitted to be released from the licensed places at release points W2 and W3, are sewage treatment effluent (W2, W3) from the treatment of sewage.

Release Points

- (C3) Contaminants must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources at the locations listed below:

Release point W2 - effluent from the treatment of sewage to waters described as Cooroy Creek at a location described as adjacent to Lot 2 on RP 119674 Parish of Tewanin, County of March.

Release point W3 - effluent from the treatment of sewage to waters described as Burgess Creek

Other release points sewage wastes from the sewage pump stations and overflow structures as provided for in this environmental authority.

Quantity of Contaminants Released

- (C4) The total quantity of contaminants released from release point number W2 during any dry weather day must not exceed 1000 cubic metres and during a wet weather day must not exceed 5000 cubic metres.
- (C5) The total quantity of contaminants released from release point number W3 during any dry weather day must not exceed 15 000 cubic metres and during a wet weather day must not exceed 75 000 cubic metres.

Quality Characteristics Of Release to Waters

- (C6) The release of contaminants to waters must comply, at the sampling and in situ measurement points specified in Schedule H, except during by-pass events, with each of the limits specified in Schedule C Tables 1 or 2 for each quality characteristic for the respective Release Points W2 and W3.



**SCHEDULE C TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS
FOR RELEASE POINT W2 (COOROY STP)**

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (uninhibited)	15 mg/L	long term 80 percentile compliance
5-day Biochemical Oxygen Demand (uninhibited)	23 mg/L	short term 80 percentile compliance
5-day Biochemical Oxygen Demand (uninhibited)	45 mg/L	maximum
Suspended Solids	15 mg/L	long term 80 percentile compliance
Suspended Solids	23 mg/L	short term 80 percentile compliance
Suspended Solids	45 mg/L	maximum
pH	6.5 to 8.5	range
Dissolved Oxygen	2.0 mg/L	minimum
Free Chlorine Residual	0.7 mg/L	maximum
Faecal Coliforms	1000 organisms per 100 mL as a median value (minimum of 5 samples taken at not less than weekly intervals, with 4 out of the 5 samples containing less than 4000 organisms per 100 mL)	

**SCHEDULE C TABLE 2 - RELEASE QUALITY CHARACTERISTIC LIMITS
FOR RELEASE POINT W3 (NOOSA COASTAL STP)**

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (uninhibited)	15 mg/L	long term 80 percentile compliance
5-day Biochemical Oxygen Demand (uninhibited)	23 mg/L	short term 80 percentile compliance
5-day Biochemical Oxygen Demand (uninhibited)	45 mg/L	maximum
Suspended Solids	15 mg/L	long term 80 percentile compliance
Suspended Solids	23 mg/L	short term 80 percentile compliance
Suspended Solids	45 mg/L	maximum
pH	6.5 - 8.5	range
Dissolved Oxygen	2.0 mg/L	minimum
Total Nitrogen (as Nitrogen)	5.0 mg/L	long term 50 percentile compliance
Total Nitrogen (as Nitrogen)	7.5 mg/L	short term 50 percentile compliance
Total Nitrogen (as Nitrogen)	15.0 mg/L	maximum
Total Phosphorus (as Phosphorus)	1.5 mg/L	long term 50 percentile compliance
Total Phosphorus (as Phosphorus)	2.3 mg/L	short term 50 percentile compliance
Total Phosphorus (as Phosphorus)	4.5 mg/L	maximum
Free Chlorine Residual	0.7 mg/L	maximum
Faecal Coliforms	150 organisms per 100 ml as a median value (minimum of five (5) samples taken at not less than half hourly intervals in any one day, with four (4) out of the five (5) samples containing less than 600 organisms per 100 ml)	

(C7) Notwithstanding the quality characteristic limits specified in Schedule C Table 1 or 2, the release of contaminants to waters must comply with the following qualitative characteristics:

- (i) The release must not have any properties nor contain any organisms or other contaminants which are capable of causing environmental harm.
- (ii) The release must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.

Pump Stations

- (C8) The only pump stations permitted to release contaminants to any waters are those listed below at the corresponding overflow locations

Pump Station Number	Description	Overflow Location
Noosa Heads		
NH1	Noosa Parade	Gravity NH21
NH2	Mitti Street, National Park	Beach
NH3	Park Road	Beach
NH4	Hastings Street - Woods	River
NH5	Banksia Avenue	River
NH6	Natasha Avenue	River
NH7	Witta Close - North Bridge	River
NH8	Witta Close - South Bridge	Gravity NV11
NH9	Mossman Court	Gravity NV11
NH10	Noosa Parade - Quamby Place	Gravity NV7
NH11	Noosa Parade - opposite Ravenwood	River
NH12	Sleepy Hollow Drive	River
NH13	Cooyar Street	Emu Swamp
NH14	Langura Street	Emu Swamp
NH15	Noosa - Cooroy Road	River
NH16	Lunar Crescent	River
NH17	Noosa Springs Resort	Lake Weyba
NH21	Noosa Pde	River
NH30	Noosaville Inlet (AWS)	Burgess Creek overland
Noosaville		
NV1	Hilton Terrace	River
NV2	Mill Street	Gravity NV22
NV3	The Cockleshell	River
NV4	Elizabeth Street	Gravity NV8
NV5	James Street	Gravity NV8
NV6	Howard Street	Gravity NV8
NV7	Lake Weyba Dr (nr Weyba Rd)	Gravity NV8
NV8	Weyba Rd (opp Mary St)	Gravity NV12
NV9	Weyba Road (near Noosa Arts)	River
NV10	Juron Street	Lake Doonella
NV11	Noosa Industrial Estate	Eenie Creek
NV12	Bank of Weyba Creek (off Weyba Road)	River
NV13	Wyuna Drive	River
NV14	Park Court	River
NV15	Woorookool Place	River
NV17	Commerce Court	Eenie Creek
NV30	Lake Entrance Boulevard	Eenie Creek
NV33	Venture Drive (Industrial Estate)	Lake Doonella
NV40	Lake Weyba Drive	Weyba Creek



Sunshine Beach		
SB1	Burgess Creek	Beach
SB3	David Low Way opposite Caravan Park	Beach
SB4	Selene Street	Beach
SB5	Tingira Crescent	Beach
SB6	Webb Street	Beach
SB7	Seaview Terrace	Beach
SB9	Bicentennial Drive	Emu Swamp
SB11	Park Crescent	Beach
SB12	The Esplanade	Beach
SB13	Parkedge Road	National Park
SB19	Grasstree Crescent	Emu Swamp
SB21	Cooloosa Street	Emu Swamp
SB22	Moonbeam Crescent	National Park
SB23	Wavecrest Drive	National Park
SB24	Wavecrest Drive	National Park
SB25	Ben Lexcen Drive (High School)	Emu Swamp
SB26	Driftwood Drive	Burgess Creek
SB27	Driftwood Drive	National Park
Tewantin		
T1	Memorial Drive	River
T2	Werin Street	Wooroi Creek
T3	Butler & George Street	Wooroi Creek
T4	Cooroy/Noosa Road (opposite Golf Club)	Wooroi Creek
T5	Carramar Street	Wooroi Creek
T8	Hooper Crescent	Lake Doonella
T9	Noosa Pklds (off Carramar St)	Gravity T5
T10	Tewantin Sports Complex (Butler St)	Wooroi Creek
T13	Lakeway Drive	Lake
T14	McKinnon Drive	River
T15	McKinnon Drive (near Sports Complex)	Creek
T16	Golf Course Drive	Wooroi Creek
T17	Golf Course Drive	Wooroi Creek
T18	Moorindil St	Wooroi Ck
T19	Noosa Banks Dr	River
Cooroy		
C1	River Road (Maple Street)	Cooroy Creek
C2	Cedar Street	Cooroy Creek
C3	Ruby Street	Six Mile Creek
C4	Myall Street	Six Mile Creek
C5	Overlander Avenue	Six Mile Creek
C6	Gem Street	Cooroy Creek
C7	Lake MacDonald Drive	Dam Catchment
C9	Jarrah Street	Cooroy Creek
C10	Fantail Crescent	None
C11	Curlew Crescent	None
C12	Ferrells Road (Mobile Home Pk)	None
C13	Botanical Gardens - Cooroy	Dam catchment
C20	Pearsons Road	Cooroy Creek
C30	Oak Street	Cooroy Creek

(C9) Despite condition C8 pumpstation NV12 located on the bank of Weyba Creek (off Weyba Road), Noosaville must not release any contaminants to any waters after the 30 August 1999.

- (C10) Any pump station whose failure will result in a direct or indirect release of contaminants to waters must be fitted with a stand-by pump and pump-failure alarm. The pump failure alarm must be able to operate without mains power.
- (C11) Pump station overflows must be screened to prevent the release of gross solids.
- (C12) No release of contaminants from the overflow structures or other ancillary works shall occur except as a result of power failure, excessive rainfall, accidental damage or other emergency.
- (C13) By 1 July 1998, the holder of this environmental authority must develop and implement an effective and appropriate Emergency Response/Contingency Plan to manage the environmental impacts of any release of contaminants from pump station and other ancillary equipment.
- (C14) The Emergency Response/Contingency Plan required by condition C13 must address at least the following matters:
- (i) location of the pump stations and overflows;
 - (ii) procedures to be implemented to reduce the likelihood of any release of contaminants from any pump station failure and/or overflow;
 - (iii) response procedures to prevent any further release, or if such is not practicable, minimise the extent and duration of any release to the greatest practicable extent;
 - (iv) the practices and procedures to be employed to restore the environment, or if such is not practicable, mitigate any environmental impacts of the release (including in both dry and wet conditions);
 - (v) a description of the resources to be used in response to a release;
 - (vi) the training of staff that will be called upon to respond to a release;
 - (vii) procedures to investigate the cause of any release, and where necessary, implement remedial actions to reduce the likelihood of recurrence of a similar event;
 - (viii) the provision and availability of documented procedures to staff attending any release to enable them to effectively respond;
 - (ix) timely and accurate reporting of the circumstances and nature of release events to the administering authority;
 - (x) periodic estimation of the growth of catchment serviced by the pump station and hence daily dry weather flow to minimise any likelihood of the design capacity of the pump station being exceeded; and
 - (xi) the need to install screens be investigated and screens installed where appropriate and beneficial.
- (C15) A copy of the Emergency Response/Contingency Plan and any subsequent amendment of the Emergency Response/Contingency Plan must be kept at the licensed place and be available for examination by an authorised person on request.
- (C16) An updated list of all pump stations and overflow structures connected to the sewage treatment plant must be forwarded to the administering authority with the Annual Return associated with this environmental authority.

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 the contact of incident rainfall and stormwater runoff with wastes or other contaminants.
- (D2) Where it is not practicable to prevent contact as required by condition (D1) above, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such contact.

Release of contaminated stormwater runoff

- (D3) Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent 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.
- (D4) Where it is not practicable to prevent any release of contaminated runoff as required by condition D3, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such release or the likelihood of any such release.

Acid Sulphate Soils

- (D5) Any acid sulphate soils or potential acid sulphate soils disturbed, extracted or unearthed as a result of carrying out the environmentally relevant activity or activities must be stored and/or treated and/or disposed of so as not to cause environmental harm to surface waters and/or groundwaters.

Maintenance and Cleanup

- (D6) The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
- (D7) Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Bunding

- (D8) All chemical tank storages must be banded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.
- (D9) All chemical drum storages must be banded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
- (D10) All bunding must be constructed of materials which are impervious to the materials stored.

- (D11) The base and walls of all bunded areas must be maintained free from gaps or cracks.
- (D12) All bunding must be roofed where practicable.
- (D13) Where it is impractical to completely roof a bunded area the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
- (D14) All empty drums must be stored with their closures in place.

Minimise Infiltration to Sewers

- (D15) The holder of this environmental authority must take all reasonable and practicable measures to minimise infiltration into sewers.
- (D16) For the purposes of demonstrating compliance with condition D15, the holder of this environmental authority must periodically report to the administering authority on the following matters:
 - (i) the estimated level of infiltration;
 - (ii) the reasonable and practicable measures intended to minimise infiltration;
 - (iii) the actions taken to minimise infiltration; and
 - (iv) periodic re-estimations of the level of infiltration and, by comparison with previous infiltration estimates and connected population, an assessment of the effectiveness of the actions taken to minimise infiltration.
- (D17) The initial report must be lodged with the administering authority by 1 July 1998 with subsequent reports to be lodged with the Annual Return in 2000 and at least once every two years thereafter.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Land

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.
- (E2) At the licensed places, the only contaminants allowed to be released are reclaimed waters from the sewage treatment plants.

Opportunistic Reuse of Treated Sewage Effluent

- (E3) Reclaimed waters are only permitted to be used at the licensed places, for various types of reuse purposes such as dust suppression on road works and irrigation of gardens, provided the reclaimed water reuse is carried out in accordance with the latest edition of the Agriculture and Resource Management Council of Australia and New Zealand, Australian and New Zealand Environment and Conservation Council, National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000, including the required level of treatment, effluent quality, effluent monitoring and monitoring frequency and the specified controls and requirements.

(Note: for further clarification or interpretation of requirements stated in the Agriculture and Resource Management Council of Australia and New Zealand, Australian and New Zealand Environment and Conservation Council, National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000



reference must be made to the requirements in the Department of Human services and Environmental Protection Agency, South Australian Reclaimed Water Guidelines Treated Effluent, April 1999).

- (E4) 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, in the opinion of the administering authority, are capable of causing environmental harm or an environmental nuisance.
- (E5) Public access to any contaminant release area on land at the licensed places must be denied if the reclaimed water does not comply with the National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000 for public contact.
- (E6) The release of contaminants to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.
- (E7) Spray from any release of contaminants to land must not drift beyond the boundaries of the licensed places.
- (E8) The irrigation of reclaimed waters must be carried out in a manner such that:
- vegetation is not damaged;
 - soil erosion and soil structure damage is avoided;
 - there is no surface ponding of reclaimed water;
 - percolation of reclaimed water beyond the plant root zone is minimised;
 - the capacity of the land to assimilate nitrogen, phosphorous, salts, organic matter as measured by oxygen demand and water is not exceeded; and
 - the quality of groundwater is not adversely affected.
- (E9) The contaminant release areas must be maintained in a proper and efficient manner so as to provide adequate assimilation, percolation, evaporation and transpiration of the wastes released to the disposal areas.
- (E10) The release of contaminants to land must be carried out in such a manner that there is no ponding or pooling of contaminants on the surface of the contaminant release area(s) nor seepage of contaminants from the contaminant release area(s) to any waters or stormwater drain.
- (E11) Reclaimed waters must not be released to the contaminant release area(s) during and immediately after rainfall.
- (E12) Where applicable, crop cover must be regularly harvested and removed from contaminant release areas.

Public Health regarding Opportunistic Reuse

- (E13) Pipelines and fittings for the release of contaminants to land must be clearly identified. Standard water taps, hoses and cock must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release areas.
- (E14) All pipelines and fittings used for reclaimed water disposal must be readily identifiable and distinguishable from potable water piping on the same site.
- (E15) Above-ground and buried facilities (pipelines etc) in areas of public access are to be distinctively colour-coded (deep purple, wrapped).
- (E16) Connection of the reclaimed water system into any potable supply system is not permitted.



- (E17) Reclaimed waters, and potential discharge from the contaminant release area(s), reclaimed water storages and pipe work must not be allowed to contaminate potable water outlets.
- (E18) Bores and bore water supplies used for human consumption are to be protected from contamination by reclaimed waters.
- (E19) For above-ground installations, reclaimed water services must not be installed within 100 millimetres of parallel potable water supply. Below ground installations of reclaimed water services must not be installed within 300 millimetres of any parallel potable water supply.
- (E20) The reclaimed water irrigation piping system is to be in accordance with Australian Standard 2698.2 Plastic Pipes and Fittings for Irrigation and Rural Applications.
- (E21) Notices warning persons not to use or drink or have contact with the reclaimed water must be prominently displayed and must be maintained in a clearly visible and legible condition. The signs must:
 - a) be displayed at places where persons can gain access to or have contact with the reclaimed water, for example, at taps cocks, valves, reclaimed water storages and effluent irrigation area(s); and
 - b) be distinctively colour coded (deep purple) and marked with the words: WARNING: RECLAIMED WATER – DO NOT DRINK and are to include an appropriate warning symbol as well as text; and
 - c) must be in compliance with AS 1319 – Safety Signs for the occupational environment; and
 - d) all piping and conduits must be identified in accordance with AS 1345 – Identification of the Contents of Piping, Conduits and Ducts; and
 - e) be in English, and, where necessary, in another appropriate language(s).
- (E22) Scouring, cleaning or flushing of the reclaimed water pipeline system used for irrigation purposes is to be undertaken in a manner that will return resulting wastes to the on-site wastewater treatment plant for treatment and/or storage.
- (E23) Leakage of reclaimed water from any pipelines is to be prevented and drainage associated with pipe scouring/cleaning is only to be undertaken in a manner such as not to cause environmental harm.

Provision of Reclaimed Waters to Other Person(s)

- (E24) If the holder of this environmental authority gives or transfers ownership of the treated reclaimed waters to another person(s), the holder of this environmental authority must :
 - (i) prior to giving such reclaimed water or transferring ownership of such reclaimed water to that person(s), ensure the reclaimed waters reuse management at the licensed place is in accordance with the National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000, in respect of the type of reuse purpose of such reclaimed water, including the required level of treatment, effluent quality, effluent monitoring and monitoring frequency and the specified controls and requirements; and
 - (ii) prior to giving such reclaimed water or transferring ownership of such reclaimed water to that person(s), obtain from that person(s) details of how that person(s) intends to comply with the general environmental duty provided for by Section 319 of the Act and the latest edition of the Agriculture and Resource Management Council of Australia and New Zealand, Australian and New Zealand Environment and Conservation Council, National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000, in respect of the use and disposal of such reclaimed waters, particularly in relation to the environmental sustainability of any reclaimed waters disposal, protection of public health and protection of environmental values of waters; and
 - (iii) only give or transfer ownership of such reclaimed waters in accordance with a written agreement between the holder of this environmental authority and that person(s); and
 - (iv) upon becoming aware that the person is not or is not likely to comply with the latest edition of the Agriculture and Resource Management Council of Australia and New Zealand, Australian and New Zealand Environment and Conservation Council, National Health and Medical

Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000, cease the giving and transferring ownership of such reclaimed water, as the case may be.

(Note: for further clarification or interpretation of requirements stated in the Agriculture and Resource Management Council of Australia and New Zealand, Australian and New Zealand Environment and Conservation Council, National Health and Medical Research Council National Water Quality Management Strategy Guidelines for Sewerage Systems Use of Reclaimed Water, November 2000, reference must be made to the requirements in the Department of Human Services and Environmental Protection Agency, South Australia Reclaimed Water Guidelines Treated Effluent, April 1999).

- (E25) Reclaimed waters are not permitted to be used for direct or indirect potable reuse or discharged to waters via a third party or for irrigation of a raw human food crop in direct contact with reclaimed water.
- (E26) The daily quantity of treated reclaimed water that is given or transferred ownership to person(s) for reuse purposes, must be determined or estimated by an appropriate method, for example a flow meter.
- (E27) Records must be kept of the results of all determinations of the quantity and quality of treated reclaimed water that is given or transferred ownership to person(s) for reuse purposes. A copy of these results must be provided to the administering authority upon request.
- (E28) If the holder of this environmental authority gives or transfers ownership of the treated reclaimed waters to another person(s), the holder of this environmental authority must:
 - 1. undertake and report on a risk assessment for the particular reuse application prior to transferring effluent; and
 - 2. keep a copy of all agreements entered into to give or transfer ownership of treated sewage effluent, and:
 - (i) provide a copy of the agreement to the administering authority within 30 days of the agreement taking effect; and
 - (ii) advise the administering authority in writing of rescission of any agreement within 30 days of such rescission.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - NOISE

Emission of Noise

- (F1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes environmental nuisance.
- (F2) Where it is not practicable to prevent any emission of noise as required by condition F1 the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such emission of noise that constitutes annoyance.
- (F3) In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the licensed place must not result in levels greater than those specified in Table 1 of the Noise Schedule.



SCHEDULE F TABLE 1

Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level L (Amax adj, T)	Period
Background noise level plus 5 dB(A)	7 am - 6 pm
Background noise level plus 5 dB(A)	6 pm - 10 pm
Background noise level plus 3 dB(A)	10 pm - 7 am
Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level L (Amax adj, T)	Period
Background noise level plus 10 dB(A)	7 am - 6 pm
Background noise level plus 10 dB(A)	6 pm - 10 pm
Background noise level plus 8 dB(A)	10 pm - 7 am

END OF CONDITIONS FOR SCHEDULE F

SCHEDULE G - WASTE MANAGEMENT

General

- (G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.
- (G2) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.



Off Site Movement

- (G3) 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:
- (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.
- (G4) Records of trade waste agreements must be made available for inspection on request.

Notification of Improper Disposal Of Regulated Waste

- (G5) 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 releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details:
- (i) time, date and nature 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.

Monitoring and Reporting

- (H2) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in Schedule H Table 1 and Table 2:

Schedule H - Table 1
Required Release Point Determinations
Cooroy Sewage Treatment Plant

QUALITY CHARACTERISTIC DETERMINATION	SAMPLING POINT	UNITS	FREQUENCY
5-day Biochemical Oxygen Demand	S2(b)	mg/L	weekly
Suspended Solids	S2(b)	mg/L	weekly
pH	S2(b)	pH scale	weekly
Dissolved Oxygen	S2(b)	mg/L	weekly
Free Residual Chlorine	S2(a)	mg/L	weekly
Faecal Coliforms	S2(a)	cfu/100 ml	weekly

Schedule H - Table 2
Required Release Point Determinations
Noosa Coastal Sewage Treatment Plant

QUALITY CHARACTERISTIC DETERMINATION	SAMPLING POINT	UNITS	FREQUENCY
5-day Biochemical Oxygen Demand	S3	mg/L	every eight days
Suspended Solids	S3	mg/L	every eight days
pH	S3	pH scale	every eight days
Dissolved Oxygen	S3	mg/L	every eight days
Free Residual Chlorine	S3	mg/L	every eight days
Faecal Coliforms	S3	cfu/100 ml	every eight days
Total Nitrogen (as Nitrogen)	S3	mg/L	every eight days
Total Phosphorus (as Phosphorus)	S3	mg/L	every eight days

Sampling and Monitoring Point Details

- (H3) Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in the Water Schedule of this environmental authority must be undertaken at the sampling and measurement point(s) described as:

Sampling Point S2(a) - effluent from the collection chamber located immediately after the chlorine contact tank at the Cooroy Sewage Treatment Plant

Sampling Point S2(b) - effluent immediately prior to entering the chlorine contact tank at the Cooroy Sewage Treatment Plant

Sampling Point S3 - effluent from the wetwell downstream of the UV contact channel at the Noosa Coastal Sewage Treatment Plant.

Quality Determinations

- (H4) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.
- (H5) 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.

Monitoring Of Volume of Release

- (H6) The daily quantity of contaminants released must be determined by an appropriate method.

- (H7) Records must be kept of the results of all determinations of the daily quantity of contaminants released to waters.

Noise Monitoring

- (H8) For the purposes of checking compliance with condition F3 monitoring and recording of the noise levels from the activity/activities must be undertaken for the following descriptions, characteristics and conditions:
- (i) L(Amax, Adj T);
 - (ii) L(Abg, T) or L(A90, T);
 - (iii) The level and frequency of occurrence of impulsive or tonal noise;
 - (iv) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - (v) Effects due to extraneous factors such as traffic noise.
- (H9) The holder of this environmental authority must monitor and record the noise levels to check compliance with the conditions of this authority not less frequently than on receipt of a request from the administering authority to undertake such monitoring.
- (H10) 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.
- (H11) 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.

Report Submission

- (H12) The results of the noise monitoring required by condition H9 must be submitted to the administering authority in a report within 14 days of the monitoring occurring.
- (H13) 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.

Incident Recording

- (H14) A record must be maintained of events including but not limited to:
- (i) the time, date and duration of equipment malfunctions, that may affect the environmental performance of the licensed place; and
 - (ii) any shut-downs of equipment upon which the environmental performance of the licensed place depends.
- (H15) Details concerning any bypass of plant effluent shall be monitored and recorded in terms of event date, duration, cause of bypass, and actions taken in reporting and averting the bypass.

Notification of Emergencies and Incidents

- (H16) 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.



- (H17) The notification of emergencies or incidents as required by condition H16 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 caused, threatened, or suspected to be caused by the release; and
 - (ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.
- (H18) 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 H17 in addition to:
- (i) proposed actions to prevent a recurrence of the emergency or incident; and
 - (ii) outcomes of actions taken at the time to prevent or minimise environmental harm.
- (H19) 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.

Exception Reporting

- (H20) The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates a breach of any licence condition within 28 days of completion of analysis.
- (H21) The written notification required by condition H20 above must include:
- (i) the full analysis results, and
 - (ii) details of investigation or corrective actions taken, and
 - (iii) any subsequent analysis.

Receiving Environment Monitoring Program

- (H22) The holder of this environmental authority must design and conduct a Receiving Environment Monitoring Program to monitor the effects of the release of contaminants on the receiving water environment.
- (H23) By the 13 March 1998, the holder of this Environmental Authority must submit a proposal for the Receiving Environment Monitoring Program for the approval of the administering authority.
- (H24) The proposal for the Receiving Environment Monitoring Program for the sewage treatment works at both Cooroy and Noosaville must include but not be limited to the following:
- (i) description of potentially affected environment including key communities and ambient water quality;
 - (ii) description of water quality objectives and biological objectives to be achieved;
 - (iii) description of selected physio-chemical and biological indicators and reasons for their inclusion;
 - (iv) the locations of monitoring stations including monitoring transects away from the outfall of the licensed release as well as any control locations;
 - (v) the proposed sampling depths;



- (vi) the water quality characteristics of receiving waters to be determined;
 - (vii) the frequency of sampling and analysis;
 - (viii) any historical data sets to be relied upon;
 - (ix) description of the statistical basis on which conclusions are drawn; and
- (H25) The proposal for the Receiving Environment Monitoring Program must also consider, but not be limited to, the following:
- (i) water quality criteria specified in the Australian & New Zealand Environment & Conservation Council's "Australian Water Quality Guidelines for Fresh and Marine Waters", November 1992;
 - (ii) any Environmental Protection Policies enacted under Queensland's Environmental Protection Act 1994 concerning water quality and ecosystems;
 - (iii) relevant reports produced with respect to the Department of Environment's Water Quality Monitoring Programs;
- (H26) Within 30 days, or such other period as advised in writing by the administering authority, of the date of issue of written advice by the administering authority of approval of the Receiving Environment Monitoring Program, the applicant must commence carrying out the Receiving Environment Monitoring Program according to the terms specified in the written advice of approval.
- (H27) All determinations of the quality of contaminants released to waters shall be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.
- (H28) All determinations of the quality of monitored parameters must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
- (H29) The holder of this environmental authority must submit an annual report commencing 1 July 1998. This report shall contain the results of the Receiving Environment Monitoring Program including an on-going assessment of the impact of the discharge upon the receiving environment with respect to water quality and biological objectives for the receiving waters.

Monitoring Reporting

- (H30) Any monitoring data compiled, collected or recorded as required by conditions of this environmental authority shall be supplied to the administering authority on an annual basis. These reports shall cover the following period during the year:

1 January to 31 December.

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

- (H31) Contaminant release quantities pertaining to the yearly period, compiled, collected or recorded in accordance with condition C4 and C5 shall be presented as follows:
- (i) in a tabular format, showing date of recording and raw data; and
 - (ii) graphically showing raw data vs time.
- (H32) Contaminant release quality pertaining to the yearly period, compiled, collected or recorded in accordance with condition H2 shall be presented:
- (i) in a tabular format, showing:
 - (a) date and times sampled;
 - (b) all raw data;
 - (c) any exceedance of levels of all parameters specified in Schedule C, Tables 2 and 3; and



- (d) maximum and minimum values for parameters specified in Schedule H Tables 1 and 2; and
 - (ii) graphically showing data referred to in part (i) of this condition vs time.
- (H33) Data pertaining to the yearly period, compiled, collected or recorded in accordance with condition H15 of Schedule H (bypass of plant effluent) for the yearly period, shall be presented in a tabular format showing:
- (i) date of commencement of bypass;
 - (ii) duration of bypass (hours);
 - (iii) cause of bypass;
 - (iv) total bypass duration for the period (hours); and
 - (v) actions taken in reporting and averting the bypass.
- (H34) Short term 80% compliance limit types as detailed in Tables 2 and 3 of Schedule C need not be reported against in the above detailed Monitoring Reporting.

END OF CONDITIONS FOR SCHEDULE H

SCHEDULE I - DEFINITIONS

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

- (I1) "mg/L" means milligrams per litre.
- (I2) "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
- (I3) "dry weather day" 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 four preceding days.
- (I4) "grab" sample means one sample collected at any point in time.
- (I5) "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.
- (I6) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
- (I7) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
- (I8) "long term 80 percentile compliance" means that not more than ten (10) of the measured values of the quality characteristic are to exceed the stated release limit for any fifty (50) consecutive samples where:
 - (i) the consecutive samples are taken over a one year period or longer where required;
 - (ii) the consecutive samples are taken at approximately equal periods; and
 - (iii) the time interval between the taking of each consecutive sample is not less than six days.



- (I9) "short term 80 percentile compliance" means that not more than one (1) of the measured values of the quality characteristic are to exceed the stated release limit for any five (5) consecutive samples where:
- (i) the consecutive samples are taken over a five week period;
 - (ii) the consecutive samples are taken at approximately equal periods; and
 - (iii) the time interval between the taking of each consecutive sample is not less than six days.
- (I10) "long term 50 percentile compliance" means that the median value of the measured values in ranked order of the quality characteristic is not to exceed the stated release limit for any fifty (50) consecutive samples where:
- (i) the consecutive samples are taken over a one year period or longer where required;
 - (ii) the consecutive samples are taken at approximately equal periods; and
 - (iii) the time interval between the taking of each consecutive sample is not less than six days.
- (I11) "short term 50 percentile compliance" means that the median value of the measured values in ranked order of the quality characteristic is not to exceed the stated release limit for any five (5) consecutive samples where:
- (i) the consecutive samples are taken over a five week period;
 - (ii) the consecutive samples are taken at approximately equal periods; and
 - (iii) the time interval between the taking of each consecutive sample is not less than six days.
- (I12) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.
- (I13) "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.
- (I14) "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.
- (I15) "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.
- (I16) "commercial place" means a place used as an office or for business or commercial purposes.

END OF CONDITIONS FOR SCHEDULE I



SCHEDULE J - APPROVED DOCUMENTS

- (J1) The environmentally relevant activity must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application and any other documents approved by the administering authority as set out in the Approved Documents Schedule.
- (J2) In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents Schedule and the conditions of this environmental authority, the conditions of this environmental authority must apply.

END OF CONDITIONS FOR SCHEDULE J

Published on DETSI Disclosure Log
RTI Act 2009