COPY

Registration certificate

No: ENRE00951509

This registration certificate is issued by the administering authority and takes effect from: 16-MAR-2011.

The anniversary day for the purposes of the Annual Return remains: 8 September.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-
South Burnett Regional Council - Kingaroy
45 Glendon Street
KINGAROY QLD 4610

Development Approval No.	Place	Location	Activities
CM0017	Lot 16 Plan SP104354	Bjelke-Petersen Dam, Haager Drive, MOFFATDALE QLD 4605	ERA 63 Sewage treatment Threshold 2(a) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme
CM0487	Lot 35 Plan SP196036	Lakeside Block, Boondooma Dam Road, OKEDEN QLD 4613 Residences, Office, Workshop, Cabins, Boondooma Dam Road, OKEDEN QLD 4613	
CM0357	Lot 60 Plan BO424	Off Proston Boondooma Road, PROSTON QLD 4613	ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme
CM0357	Lot 234 Plan FY1878	Off Edward Road, WONDAI QLD 4606	

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

Queensland Government

Development Approval No.	Place	Location	Activities
CM0243	Lot 1 Plan SP102660	Bowman Road, BLACKBUTT QLD 4306	ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (ii) otherwise (Note: not to an infiltration trench or through an irrigation scheme)
CM0017	Lot 1 Plan RP103487, Lot 3 Plan RP103487, Lot 5 Plan RP127734	Ferris Road, MURGON QLD 4605	ERA 63 Sewage treatment Threshold 2(c) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 1500 to 4000EP
CM0243	Lot 200 Plan FY2026	Grey Street, NANANGO QLD 4615	
ENDC00248705 J101 (CM0247)	Lot 1 Plan RP84673, Lot 22 Plan FY2137	Hodges Road, KINGAROY QLD 4610	ERA 63 Sewage treatment Threshold 2(d) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 4000 to 10000EP

C. E. Birt

Cathy Birt
Delegate
Department of Environment and Resource Management
Environmental Protection Act 1994

16-MAR-2011

Environmental Authority No. CM0017

Section 45

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

To: Murgon Shire Council
Address: Gore Street
Murgon QLD 4605

in respect of carrying out the environmentally relevant activity/ies at the following place(s):

15(a)	Sewage treatment - 21 < 100 persons
15(c)	Sewage treatment - 1 500 < 4 000 persons
16	Municipal water treatment
20(a)	Extracting rock or other material - < 5 000 t per year
28	Motor vehicle workshop
43	Animal housing
75(a)(i)	Waste disposal - 50 t < 2 000 t per year
75(a)(ii)	Waste disposal 2 000 t < 5 000 t per year

being carried out at premises described as:

- Lot 259, Plan FY2799
- Lot 2, Plan FY55126
- Lot 285, Plan FY1930
- Lot 75-78, Plan RP5518
- Lot 126, Plan MZ805136
- Lot 286, Plan FY2465
- Lot 286, Plan FY2464
- Lot 1,3,5 Plan RP127734

located at:

General Waste disposal Facility - Windera, Murgon Cloyna and Tablelands;
Sewage Treatment - Murgon and Bjelke-Peterson Dam;
Water Treatment - Murgon;
Extraction of Rock - Borchetts Hill and Sawpit Gully;
Motor Vehicle Workshop - Murgon;
Animal Housing - Murgon

Environmental Authority No. CM0017

Section 45

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

This environmental authority takes effect from December 18 1995.

H. de Groot

Heiko de Groot
Acting Regional Manager (Environment) Central Coast
Delegate of the Administering Authority
Environmental Protection Act 1994

28/5/98

Environmental Authority No. CM0017

Section 45

This licence consists of the following schedules:-

Schedule A - General Conditions

Schedule B - Noise Schedule

Schedule C - Water Schedule

Schedule D - Monitoring and Reporting

Schedule E - Waste Management Schedule

Schedule F - Definitions

Schedule G - Approved Documents Schedule

Environmental Authority No. CM0017

Section 45

SCHEDULE A - GENERAL CONDITIONS

Compliance

(A1) This licence applies only to the Environmentally Relevant Activities included in the Integrated Environmental Management System. Any extensions to or addition of Environmentally Relevant Activities would require amendment of this licence.

(A2) The environmentally relevant activities which are the subject of this licence shall be operated and maintained in accordance with all undertakings contained in the Integrated Environmental Management System application for this licence.

(A3) In the event of any inconsistency arising between the information in the licence application, any document in the Approved Documents Schedule and the conditions of the licence, the conditions of the licence shall apply.

(A4) The responsibility and liability for the performance of the environmentally relevant activities and for the compliance with the conditions of this licence rests with the licensee.

(A5) This licence is issued and is in all respects subject to the said Act and Regulations made thereunder and does not in any way limit the duties and obligations otherwise imposed on the licensee.

(A6) The holder of this licence must take all measures, perform all acts and do all things necessary to:

1. Prevent, contain and halt the release of any contaminants not allowed by this licence; and

2. Prevent, abate and mitigate any unlawful environmental harm or environmental nuisance resulting from the release of any contaminants not allowed by this licence.

Copy of Licence to be Displayed at the Licensed Place

(A7) A copy of this licence shall be prominently displayed at all times at the licensed place in a location readily accessible to plant personnel and a copy of this licence shall be provided to any authorised person on request.

Training of Persons Carrying Out the Activities

(A8) All persons engaged in the operation or conduct of the activities (including but not limited to the licensee, employees of the licensee and contract staff) must be trained in the procedures and practices necessary to ensure both, compliance with the conditions of this licence and the prevention of any environmental nuisance, or be

under close supervision of a person who is so trained.

Inspections and sampling by Authorised Persons

(A9) At all reasonable times any authorised person shall be provided with the following to enable assessment of compliance with this licence:

1. Access to sampling points and monitoring facilities as directed by the authorised person; and

2. Any reasonable help which the authorised person considers necessary.

Keeping of records

(A10) The licensee shall:

1. Keep records of the results of all monitoring required by this licence and records of the time, date, location and details of such monitoring; and

2. Ensure that such records are conveniently located for examination by an authorised officer, and provide copies of such records to the administering authorities on request.

(A11) Any records required to be kept by this licence must be kept in a legible form at the licensed place for the life of the operation.

Alterations to Plant or Equipment

(A12) No plant or equipment shall be changed, replaced or operated at the licensed place if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm.

(A13) As Environmental Protection Policies are approved by the Governor in Council the licensee will be required to take measures to meet these requirements.

End Schedule A

Environmental Authority No. CM0017

Section 45

Schedule B - NOISE SCHEDULE

(B1) Except as otherwise provided by the conditions of the Noise schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means which may be necessary to prevent or minimise the emission of noise.

(B2) The emission of noise from the Environmentally Relevant Activities must not result in levels greater than those specified in Table 1 of the Noise Schedule.

SCHEDULE B - TABLE 1

Period	Noise level for noise sensitive place
7am-6pm	background noise level plus 5dB(A)
6pm-10pm	background noise level plus 5dB(A)
10pm-7am	background noise level plus 3dB(A)

Any measurements recorded should be done in accordance with the Noise Measurement manual, 1 March 1995, Department of Environment and Heritage.

End Schedule B

Environmental Authority No. CM0017

Section 45

SCHEDULE C -WATER SCHEDULE

General

(C1) Water-borne contaminants must not be released from any licensed place to any waters except from the release point from the sewage treatment plant into Murgon Creek.

Murgon Sewage Treatment Plant

Maximum Daily Quantity of Water-borne Contaminants Released

(C2) The quantity of water-borne contaminants released from the licensed place via the Release Point during any day shall not exceed 700 cubic metres.

Recording the Daily Quantity of Water-borne Contaminants Released

(C3) The licensee shall monitor and record the daily volume of water-borne contaminants discharged from the Release Point.

Quality of Water-borne Contaminants Released to Waters

(C4) All sampling and insitu measurements carried out to assess compliance with this condition shall be performed at the sampling point described as the Release Point.

Any release of water-borne contaminants from the Release Point must meet the following water quality standards.

- The pH value shall be not less than 6.5 nor more than 8.5;
- The Faecal Coliforms should not exceed 1000 organisms per 100milligrams;
- For any water quality characteristics not listed above, the release of water-borne contaminants shall not have any properties nor contain any contaminants or organisms in concentrations which make or which, in the opinion of the administering authority, are capable of causing of causing unacceptable environmental harm or an environmental nuisance.

End Schedule C

Environmental Authority No. CM0017

Section 45

SCHEDULE D - SELF MONITORING AND REPORTING

Monitoring of Water-borne Contaminants Released to Waters

(D1) The licensee shall ensure that monitoring of the water quality of water-borne contaminants released from the Release Point, is carried out as often as is necessary to check that the conditions of this licence are being complied with, but not less frequently than monthly.

(D2) All instruments used for the measurement of water quality characteristics to assess compliance with this licence must be calibrated, operated and maintained according to the manufacturer's specifications.

(D3) The collection, storage, presentation and analysis of samples for measuring water quality characteristics, to assess compliance with this licence, shall be in accordance with any water quality sampling manual prescribed by Regulation.

Notification of Emergencies and Incidents

(D4) 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.

(D5) The notification of emergencies or incidents as required by condition (D4) must include but not be limited to the following:

- The holder of the environmental authority;
- The location of the emergency or incident;
- The number of the environmental authority;
- The name and telephone of the designated contact person;
- The time of release;
- The time the holder of the environmental authority became aware of the release;
- The suspected cause of the release;
- The environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release, and actions taken to prevent any further release and mitigate any environmental harm and or environmental nuisance caused by the release.

End Schedule D

Environmental Authority No. CM0017

Section 45

SCHEDULE E - WASTE MANAGEMENT SCHEDULE

(E1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(E2) Waste must not be removed to be burnt or allowed to burn on the licensed site or removed to be burnt.

(E3) An area must be set aside for the segregation and storage of recyclable solid wastes.

(E4) Where a no-cost recycling service is available, recyclable waste must not be deposited in the general waste stream.

(E5) An Environmental Management Program must be produced within six months of the approval of the Environmental Protection Policy for Waste. The Environmental Management Program must address the closure of Winders. Cloyna and Tablelands disposal facilities and their replacement with transfer stations. The upgrade of the Murgon disposal facility should also be addressed.

End of Schedule E

Environmental Authority No. CM0017

Section 45

SCHEDULE F - DEFINITIONS

For the purposes of this licence the following definitions apply:

(F1) 'Act' means the Environmental Protection Act 1994

(F2) 'Administering Authority' means the Department of Environment & Heritage or its successor at law

(F3) For the purposes of this licence, any terms not otherwise defined in legislation of in the Definitions Schedule of this licence shall have the meaning conferred to that term in its common usage.

(F4) 'Regulation' means any subordinate legislation to the Act.

End of Schedule F

Environmental Authority No. CM0017

Section 45

SCHEDULE G - APPROVED DOCUMENTS

Integrated Environmental management System - Murgon Shire Council, November 1995.

End of Schedule G

MBH2031

MBH 2004/1632

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

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

(1) ~~DME~~
(2) LG

Licence No. CM0487 (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:

Wondai Shire Council
Cnr Scott and MacKenzie Streets
WONDAI QLD 4606

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

ERA 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:

Boondooma Dam, 20 km south of Proston – lakeside block – septic tank system;
Boondooma Dam, 20 km south of Proston – residences, office, workshop, cabins – septic tanks and lagoons;

located at: 20 km south of Proston;

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

The anniversary date of this licence is 27 June

This licence takes effect from 30 April 2004

Signed

27/4/04
Date

DJ Brown
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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

RECEIVED
- 4 MAY 2004
ENVIRONMENTAL PROTECTION
AGENCY MARYBOROUGH

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 D - Stormwater Management
- Schedule E - Land Application
- Schedule H - Self Monitoring and Reporting

Schedule A - General conditions

Access to Copy of Environmental Authority

(A1) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A2) 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.

Alterations

(A3) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

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

Integrated Environmental Management System (IEMS)

(A4) The holder of this environmental authority must:

(a) Develop and implement an IEMS which provides for the following functions:

(i) The monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and

(ii) Staff training and awareness of environmental issues; and

(iii) The conduct of environmental and energy audits; and

(iv) Waste prevention, treatment and disposal; and

(b) Lodge with the administering authority on or before 26 August 1997 and at 3-monthly intervals thereafter until 26 February 1998, a brief report describing the progress in developing and implementing the IEMS; and

(c) On or before 26 May 1998, have completed and implemented the IEMS; and

(d) On or before 26 July 1998, 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.

(A5) A description of the IEMS must be kept in a location readily accessible to personnel carrying out the activity.

Mitigation of Environmental Impacts Identified

(A6) (a) The licensee must submit to the administering authority, not later than 15 June 1999—

(i) A programme of works to remedy the following problems identified in the Reports on Environmental Impacts, prepared by R. Rose (dated as shown), and submitted by the licensee—

(A) Boondooma Dam – Lakeside block – overland flow of septic tank effluent (report date 30/11/98)

(B) Borumba Dam – lower toilet block (camping area) – overloading of current system (report date 17/12/98); and

(ii) A timetable for carrying out the programme;

(b) The licensee must have due regard to any comment by the administering authority in implementing the programme.

Management of Wastes from Amenities Blocks in Recreation Areas—Long Term Strategy

(A7) (a) The licensee must submit to the administering authority, not later than 15 March 2000, a report proposing a long-term strategy for management of wastes from toilets and ablution facilities aimed at keeping the environmental impacts to a practical minimum, by use of reasonable and practicable means such as the following—

(i) Installation of composting or other toilets not requiring flushing water, including programmed replacement of existing flush toilets by other types over a stated number of years;

(ii) Disposal of composted waste or sludge outside of the dam catchment;

(iii) Disposal of composted waste or sludge outside of the recreation area where practicable, for example, by use as garden fertiliser;

(iv) Disposal of composted waste or sludge by distribution over suitably wide areas within the recreation area to keep any adverse environmental impacts to a practical minimum;

(v) Encouraging minimal use of water in showers and other washing facilities, by means such as—

(A) Installation and maintenance of appropriate fittings, such as spring-loaded taps, and shower nozzles designed for low volumetric flow at high velocity;

(B) Limiting available maximum flow-rates by limiting the height of water-supply head tanks.

(b) The licensee must have due regard to any comment by the administering authority in implementing the management strategy.

END OF CONDITIONS FOR SCHEDULE A

Schedule D - Stormwater management

Effluent Disposal Areas—Stormwater Diversion

(D1) By 15 March 2000, stormwater diversion works must be provided to divert surface flows of stormwater runoff away from sites of any trenches or areas used for disposal of sewage treatment system effluent or sullage.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Land application

Sludge Disposal

(E1) (a) Sludge removed by the licensee from sewage treatment plants must be disposed of by application to land in such a way as will keep to a practical minimum the risk of environmental harm.

(b) All areas used for sludge disposal must be located at least 100 metres horizontally from any surface waters and at least 30 metres horizontally from any building.

(c) In carrying out application of sludge to land, the licensee must comply with the following requirements—

(i) The waste must be deposited in a trench or other excavation in soil which can absorb the waste; and

(ii) The waste must be completely covered with soil on the same day it is deposited.

END OF CONDITIONS FOR SCHEDULE E

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 any licensed place to which this licence applies must be recorded and kept with the following details:

(a) Time, date and nature of complaint;

(b) Type of communication (telephone, letter, personal etc.);

(c) 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);

(d) Response and investigation undertaken as a result of the complaint;

(e) Name of person responsible for investigating complaint; and

(f) Action taken as a result of the complaint investigation and signature of responsible person.

Inspection and Maintenance of Septic Tanks

(H7) (a) All septic tanks used in the environmentally relevant activity must be inspected at least twice annually to determine whether sludge removal is required;

(b) Whenever a septic tank is found to require sludge removal, this must be carried out promptly.

Inspection of Effluent Disposal Trenches and Areas

(H8) (a) The ground surface near all effluent disposal trenches and areas must be inspected at least once every month for any signs of effluent percolation at the soil surface; the inspection must include ground up-slope and down-slope from each disposal trench or area.

(b) If effluent percolation is detected, the licensee must take all reasonable and practicable measures to prevent further percolation of effluent.

Inspection and Maintenance of Composting Toilets

(H9) (a) The licensee must ensure that all composting toilets used in the environmentally relevant activity are maintained so as to avoid, as far as reasonably practicable, adverse environmental impacts such as odour generation, insect and vermin breeding, and adverse public health effects.

(b) All composting toilets used in the environmentally relevant activity must be inspected at least once every three months to determine whether compost removal is required.

(c) Whenever a composting toilet is found to require compost removal, this must be carried out promptly.

Records of Inspections and Maintenance

(H10) Records must be kept of the results of the inspections and maintenance work required by conditions (H7), (H8) and (H9), and of the remedial works, if any, undertaken.

END OF CONDITIONS FOR SCHEDULE H

END OF ENVIRONMENTAL AUTHORITY

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Wide Bay Burnett District Office (Maryborough)
PO Box 101 MARYBOROUGH QLD 4650
Phone: (07) 4121 1800 Fax: (07) 4121 1650
www.env.qld.gov.au ABN: 87221158786

Integrated Authority No. CM0357

Section 311 *Environmental Protection Act 1994*

This integrated authority, issued in accordance with section 311 of the Environmental Protection Act 1994 (the EP Act), provides for the carrying out of different Environmentally Relevant Activities or Environmentally Relevant Activities at different places managed in an integrated way. This integrated authority comprises one or more type of environmental authority in accordance with sections 86, 93, 95, 104, 113 and 311, of the EP Act, and this integrated authority details the conditions that are relevant to each stated type of environmental authority.

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

Wondai Shire Council
31 Scott Street
WONDAI QLD 4606

in respect of carrying out the Environmentally Relevant Activities (ERAs) at the different places and under the types of environmental authorities described in the following parts.

This integrated authority is subject to the conditions set out in the attached schedules for each part.

The anniversary date of this integrated authority is **1 June** each year.

This integrated authority takes effect from 1 June 2005.

P Jeston — Signed

30 May 2005. — Date

Phil Jeston
A/District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

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

THIS INTEGRATED AUTHORITY CONSISTS OF THE FOLLOWING PART(S):

Each part consists of conditions relevant to various issues.

Part 1 - Level 2 Approval (Section 104)

ERA number	ERA Name & Description	Real Property Description	Location
20(a)	**Extracting rock or other material -** Extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining authority) from a pit or quarry using plant or equipment having a design capacity of not more than 5000 t per year	Lot 2 on RP155709	515 Cushnie Road, Cushnie
		Lot 1 on RP85920	Reinkes' Pit Quarry Rd, Cushnie
		Road Reserve adjacent to Lot 119 on FY365	Ten Chain Pit Ten Chain Rd, Kinleymore
		Lot 51 on MZ709	Mackies Pit, K Hansens Lane, Speedwell
		Lot 8 on MCK37166	Wigton Pit Gayndah – Hivesville Rd, Wigton
		Lot 55 on MZ979	Byanda Pit Okeden – Byanda Rd, Wigton
		Lot 94 on BO172	MP Creek Pit, MP Creek Road, Wondai
		Lot 96 on BO60	Proston Deco Pit Weir Rd, Proston
		Road Reserve adjacent to Lot 5 on RP199754	Stonelands Pit Stonelands Rd, Stonelands
22(a)	**Screening etc. materials** – screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (under than under a mining authority) or by dredging using plant or equipment having a design capacity of more than 50t but less than 5,000t per year.	Lot 2 on RP155709	515 Cushnie Road, Cushnie
43	**Animal Housing** – commercially operating a boarding kennel, dog pound, greyhound training centre or veterinary clinic in which animals are boarded other than overnight for treatment.	Lot 234 on FY1878	Off Edward Street, Wondai
16	**Municipal water treatment plant –** treating water for domestic use (other than treatment that only involves disinfection).	Lot 13 on SP118162	Lot 12 Bunya Highway, Wondai
		Lot 89 on BO461	Beresford Street, Proston

30/03/05

Part 2 - Licence Without Development Approval (Section 93)

ERA Number	ERA Name & Description	Real Property Description	Location
15(b)	**Sewage Treatment** - Operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons	Lot 234 on FY1878	Off Edward Street, Wondai
		Lot 60 on BO424	Off Proston Boondooma Road, Proston
28	**Motor vehicle workshop** - Operating a workshop or mobile workshop in the course of which motor vehicle mechanical or panel repairs are carried out in the course of a commercial or municipal enterprise (other than on a farm or under a mining tenement) or on a commercial basis.	Lots 7, 8, 9 & 10 on RP27220	Greenview Road, Wondai
75(a)(i)	**Waste disposal** - Operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t per year	Lot 73 on BO503	Proston landfill - Nelson Street, Proston
		Lot 1 on RP853880	Brigooda landfill - Proston Boondooma Road, Brigooda
		Lot 79 on FY2774	Hivesville landfill - Oberles Road, Hivesville.
		Lot 6 on BO633	Durong Tip, Wondai Chinchilla Road, Durong.
		Lot 3 on RP851276	Charlestown Road, Wondai
		Lot 94 on BO172	MP Creek Refuse Tip, MP Creek Road, Wondai
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 general waste or limited regulated waste, if the facility is designed to receive waste at the rate of less than 50,000t a year.	Lot 151 on FY613	Wondai Sanitary Reserve, Simpsons Road, Wondai

The aforementioned description of the ERA(s) for which this authority is issued is simply a restatement of the ERA(s) as prescribed in the legislation at the time of issuing the authority. Where there is any conflict between the above description of the ERA(s) 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(s) then such conditions prevail to the extent of the inconsistency.

The authority is issued subject to conditions as set out in the schedule(s) attached that form part of the integrated authority.

31/05/05

Part 1 - Level 2 Approval (Section 104)

This part of the Environmental Authority remains in force until 30 June 2009.

This part is for the carrying out of a level 2 environmentally relevant activity, under chapter 4, part 3, division 3 of the Environmental Protection Act 1994.

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

(A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have be prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

(A2-1) The holder must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System (IEMS)

(A3-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:

- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
- implement and maintain the IEMS from the commencement of carrying out the activities.

(A3-2) The IEMS must provide for at least the following functions:

- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
- The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and

- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than yearly; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

(A3-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) in a manner that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

(A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

(A4-2) Records must be kept for five years, and must include the following information:

- date of pickup of waste;
- description of waste;
- cross reference to relevant waste transport documentation;
- quantity of waste;
- origin of the waste;
- destination of the waste; and
- intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

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

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Nuisance

(B1-1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

(B2-1) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

(B2-2) Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B2-1.

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- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
- A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:
- Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
- any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

(B2-3) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

- for a complaint alleging dust nuisance, dust deposition; and
- for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time.
- must be carried out a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Erosion protection measures and sediment controls

(C1-1) Prevent the release of sediment to waters or a build up of sediment in any stormwater drain.

Stormwater management

(C2-1) There must be no release of stormwater runoff that has been in contact with any contaminants at the licensed premises to any waters, roadside gutter or stormwater drain.

Release to waters

(C3-1) Contaminants must not be released from the licensed place to any waters or the bed and banks of any waters.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

Noise nuisance

(D1-1) Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

(D1-2) 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 each of the licensed places must not result in levels greater than those specified in Schedule D – Table 1.

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Schedule D - Table 1

Time period	Noise level at a 'Noise sensitive place' measured as the Adjusted Maximum Sound Pressure Level $L_{A, max\ adj\ T}$ Note 1
7am - 6pm	Background noise level plus 5 dB(A)
6pm - 10pm	Background noise level plus 5 dB(A)
10pm - 7am	Background noise level plus 3 dB(A)
Time period	**Noise level at a 'Commercial place' measured as the Adjusted Maximum Sound Pressure Level $L_{A, max\ adj\ T}$**
7am - 6pm	Background noise level plus 10 dB(A)
6pm - 10pm	Background noise level plus 10 dB(A)
10pm - 7am	Background noise level plus 8 dB(A)

Note 1: $L_{A\ 10,\ adj,\ 15\ mins}$ levels may be substituted for $L_{Amax,\ adj,\ 15\ mins}$ levels if evidence is provided that $L_{A\ 10,\ adj,\ 15\ mins}$ levels are representative of component noise levels from source(s)/premises under investigation.

Noise monitoring

(D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- LA, max adj, T
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

(D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

Waste handling

(E1-1) All regulated waste removed from the licensed place(s) must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act 1994*.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

Land rehabilitation

(F1-1) The places authorised for ERA 20(a) by this environmental authority must be rehabilitated (including all disturbed areas such as slopes, borrow pits, stockpile and screen areas) in a manner such that:

- Suitable species of vegetation are planted and established;
- Potential for erosion of the site is minimised;
- The quality of stormwater, water and seepage released from the site is such that releases of contaminants such as suspended solids, turbidity, total dissolved salts, pH, total iron, total aluminium, and total manganese are not likely to cause environmental harm;
- The likelihood of environmental nuisance being caused by release of dust is minimised;
- The water quality of any residual water bodies meets criteria for subsequent uses and does not have potential to cause environmental harm;
- The final landform is stable and not subject to slumping;
- Any actual and potential acid sulfate soils in or on the site are either not disturbed or submerged, or treated so as to not likely to cause environmental harm; and
- The land owner is satisfied with the final landform and condition of the land.

(F1-2) Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.

(F1-3) By **31 December 2005** the holder of this environmental authority must submit a report detailing how the rehabilitation of all sites will be carried out.

Preventing contaminant release to land

(F2-1) Contaminants must not be released to land.

(F2-2) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

(F2-3) The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

(G1-1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

END OF Part 1 - Level 2 Approval (Section 104)

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Part 2 - Licence Without Development Approval (Section 93)

This part is for the carrying out of a level 1 environmentally relevant activity without a development approval, under chapter 4, part 3, division 2, subdivision 1 of the Environmental Protection Act 1994.

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

(A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have be prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

(A2-1) The holder must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System (IEMS)

(A3-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:

- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
- implement and maintain the IEMS from the commencement of carrying out the activities.

(A3-2) The IEMS must provide for at least the following functions:

- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
- The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;

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- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than yearly; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

(A3-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

(A4-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

(A4-2) Records must be kept for five years, and must include the following information:

- date of pickup of waste;
- description of waste;
- cross reference to relevant waste transport documentation;
- quantity of waste;
- origin of the waste;
- destination of the waste; and
- intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

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

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Nuisance

(B1-1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the authorised activities must not cause a nuisance at any odour sensitive place.

Dust nuisance

(B2-1) The release of dust and/or particulate matter resulting from the activities must not cause an environmental nuisance at any dust sensitive place.

(B2-2) Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition (B2-1).

- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
- A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:
- Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
- any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

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(B2-3) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:

- for a complaint alleging dust nuisance, dust deposition; and
- for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time.
- must be carried out a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Release to waters

(C1-1) No contaminants are permitted to be released to waters.

Stormwater management

(C2-1) There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

Sewage pump stations

(C3-1) Sewage pumping stations must be fitted with stand-by pumps and pump-failure alarms as well as high level alarms. All alarms must be able to operate without mains power.

Pond conditions

(C4-1) All ponds used for the storage or treatment of contaminants, sewage or wastes at or on an authorised place must be constructed, installed and maintained:

- so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
- so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
- so as to ensure the stability of the ponds' construction.

(C4-2) Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

Noise nuisance

(D1-1) Noise from activities must not cause an environmental nuisance at any noise sensitive place or any commercial place.

(D1-2) 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 each of the licensed places must not result in levels greater than those specified in Schedule D – Table 1.

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Schedule D - Table 1

Time period	Noise level at a 'Noise sensitive place' measured as the Adjusted Maximum Sound Pressure Level $L_{A, max\ adj\ T}$ Note 1
7am - 6pm	Background noise level plus 5 dB(A)
6pm - 10pm	Background noise level plus 5 dB(A)
10pm - 7am	Background noise level plus 3 dB(A)
Time period	**Noise level at a 'Commercial place' measured as the Adjusted Maximum Sound Pressure Level $L_{A, max\ adj\ T}$**
7am - 6pm	Background noise level plus 10 dB(A)
6pm - 10pm	Background noise level plus 10 dB(A)
10pm - 7am	Background noise level plus 8 dB(A)

Note 1: $L_{A\ 10,\ adj,\ 15\ mins}$ levels may be substituted for $L_{Amax,\ adj,\ 15\ mins}$ levels if evidence is provided that $L_{A\ 10,\ adj,\ 15\ mins}$ levels are representative of component noise levels from source(s)/premises under investigation.

Noise monitoring

(D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- LA, max adj, T
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

(D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

Waste handling

(E1-1) All regulated waste removed from a licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act 1994*.

(E1-2) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this integrated authority), the holder of this integrated authority must monitor and keep records of the following:

- the date, quantity and type of waste removed;
- name of the waste transporter and/or disposal operator that removed the waste; and
- the intended treatment/disposal destination of the waste.

(E1-3) If the holder of this integrated authority becomes aware that a person has removed regulated waste from the licensed places and disposed of the regulated waste in a manner which is not authorised by the integrated authority or improper or unlawful, then the holder of integrated authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

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(E1-4) The holder of this Environmental Authority must take all reasonable and practicable measures to achieve compliance with conditions (E11-1) and (E12-1), and to prevent unauthorised access to the waste disposal facilities.

(E1-5) Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this integrated authority.

Waste Acceptance

(E2-1) In the event that the holder of this integrated authority becomes aware of prohibited waste being commingled in any waste stream the holder of this integrated authority must:

- cease the depositing of such waste;
- remove the prohibited waste and store in a proper and efficient manner;
- notify the person who sent the prohibited waste to the premises to which this integrated authority relates of the detection of prohibited waste in the waste received;
- as soon as practicable arrange for a person who can lawfully transport such waste to collect such waste;
- arrange for the person transporting the prohibited waste to transport such waste to a facility that can lawfully accept such waste; and
- produce the following records:
  - type of prohibited waste;
  - quantity of prohibited waste;
  - date of disposal;
  - name and address of the person(s) transporting the prohibited waste to the facility; and
  - name and address of the person(s) who generated the prohibited waste (if such person(s) can be reasonably identified).

For the purpose of this condition, "prohibited waste" means a waste that is not permitted to be accepted at that landfill facility by a condition of this integrated authority.

Active Waste Disposal Area Management

(E3-1) The holder of this environmental authority must ensure that all wastes accepted for disposal at the licensed places are not disposed of:

- beyond any active waste disposal area; and
- into waters or leachate; and
- beyond the catchment of any leachate collection drains if installed as part of a leachate collection system.

Construction of Disposal Areas

(E4-1) The holder of this environmental authority must ensure that any active waste disposal area is constructed to allow plant and machinery access so that wastes can be effectively consolidated, compacted and /or covered.

(E4-2) Where an active disposal area or any part thereof is installed above ground the embankments must be maintained to ensure the stability and integrity of construction.

(E4-3) Soils or other materials used in the construction of any waste disposal cells, above ground embankments, storage ponds, trenches and final cover must achieve an in-situ hydraulic conductivity which is sufficiently impervious so as to prevent or minimise the release of leachate from the waste disposal area to waters including groundwater.

Leachate Management

(E5-1) The holder of this environmental authority must ensure that all reasonable and practical measures are taken to ensure the disposal area is operated and managed so as to minimise the generation of leachate.

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(E5-2) Leachate generated on the licensed premises must only be disposed of in a manner such that there is no direct or indirect release of contaminants to any groundwater, stormwater drain, roadside gutter or surface watercourse.

(E5-3) The holder of this environmental authority must ensure that any leachate or contaminated stormwater generated on the licensed place is collected and:

- conveyed to a leachate storage dam or pond; and/or
- disposed of in accordance with condition (E5-4).

(E5-4) Leachate or contaminated stormwater which is intercepted and collected on the licensed place may be disposed of:

- by evaporation; or
- by recirculation back into the areas of the licensed place where waste disposal is taking place; or
- by spray irrigation over exposed wastes; or
- by disposal to sewer.

Leachate Storage Ponds or Dams

(E6-1) The holder of this environmental authority must ensure that any pond or dam installed at the license place which is used for the collection and storage of leachate or contaminated stormwater must be:

- constructed of low permeability soils or other material so as to prevent any direct or indirect release of contaminants through the base or embankments; and
- maintained to ensure the stability and integrity of construction; and
- constructed and managed so that a freeboard capable of preventing overspill is maintained to store excess volume when annual rainfall of a 1 in 10 year recurrence period occurs.

Public Health, Nuisance and Litter Issues

(E7-1) The holder of this integrated authority must take all reasonable and practicable measures necessary to ensure that the carrying out of the environmentally relevant activities does not cause any adverse effect on public health or any nuisance, particularly in relation to propagation of diseases, fly breeding, mosquito breeding, and harbourage and/or breeding of rats and other pest organisms and/or vectors.

(E7-2) In the event of any adverse effect upon public health and / or any nuisance arising from the conduct of the environmentally relevant activities, the holder of this integrated authority must take all reasonable and practicable measures necessary to:

- abate such adverse effects and such nuisance; and
- prevent the likelihood of any recurrence of the circumstances that gave rise to such adverse effects and / or such nuisance.

(E7-3) The holder of this integrated authority must use all practicable means to exclude from refuse disposal areas access of birds, dogs and other pest species to that extent necessary to ensure that such birds, dogs and other pest species do not cause any:

- danger or risk to the health of any persons; or
- environmental harm.

Vehicle Access

(E8-1) The holder of this integrated authority shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by suitable barriers to ensure that waste is deposited only in designated areas.

Fire Protection and Control

(E9-1) The holder of this integrated authority shall provide and maintain at all times a sufficient firebreak/s which meets the satisfaction of the Regional Fire Commander.

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(E9-2) The holder of this integrated authority must not:

- allow waste to burn or be burned at or on the licensed place; nor
- remove waste from the licensed place and burn such waste elsewhere.

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the Fire Services Act 1990.)

Site Development and Site Closure Plans

(E10-1) By **31 December 2005** and at 5 yearly intervals thereafter, the licensee must develop and implement a Site Development Plan for each waste disposal site (including the nightsoil depot), to cover each 5-year period for which the waste disposal site is open to receive wastes.

(E10-2) The Site Development Plan must include details of at least the following;

(a) any waste minimisation, reuse or recycling strategy to be implemented to reduce the volume of waste to be disposed of at the waste disposal site; and

(b) dimensions of any area of the waste disposal site used for waste disposal and storage over the period covered by this Site Development Plan; and

(c) any appropriate dimensions of each landfill unit to be constructed in the area designated in paragraph (b) of this condition over the period covered by this Site Development Plan

(d) permeability of soils or other materials to be used in trench construction and capping in order to achieve compliance with this environmental authority

(e) location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this environmental authority; and

(f) location of any areas to be capped, the proposed final surface level and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program for the waste disposal site over the period covered by this Site Development Plan; and

(g) a Site Closure Plan detailing the measures to be taken before permanent cessation of waste disposal at the site, including at least the following:

(i) final cover system (ensuring compliance with conditions E10-3 and E10-4);
(ii) final surface contours (including allowance for land subsidence);
(iii) land use in post closure;
(iv) surface drainage
(v) leachate management.

(E10-3) When the deposition of waste to the landfill unit ceases, a final cover system to the landfill unit must be installed which minimises:

- infiltration of water into the landfill unit;
- the likelihood of any erosion occurring to either the final cover system or the landfilled materials; and
- uncontrolled release of landfill gas.

(E10-4) Post-closure care of the landfill unit must be conducted following deposition of waste in the landfill unit, for:

- a period of 30 years; or
- such shorter period until the landfill unit and surrounding site are geotechnically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.

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Waste Acceptance - Nightsoil Depot

(E11-1) Only the following wastes are permitted to be disposed of at the places licensed for ERA 75(b)(i) by this environmental authority:
-septic tank pump-out;
-domestic grease-trap wastes; and
-sawdust and timber offcuts from untreated timber or timber treated with ACQ (Alkaline Copper Quaternary).

NOTE: CONDITIONS (E12-1) TO (E12-18) ONLY APPLY TO PREMISES LICENSED BY THIS ENVIRONMENTAL AUTHORITY FOR ENVIRONMENTALLY RELEVANT ACTIVITY NUMBER 75(a)(i).

Waste Acceptance - General Waste Disposal Facilities

(E12-1) Only the following wastes are permitted to be disposed of at the places licensed for ERA 75(a)(i) by this environmental authority:

- domestic waste;
- commercial waste;
- domestic clean-up waste;
- construction or demolition waste;
- industrial waste;
- garden wastes;
- putrescible wastes;
- solid inert wastes;
- limited regulated waste may be disposed of in the general waste stream provided the quantity of limited regulated waste received at the facility in a year is not more than 10% of the total waste received at the facility in any calendar year.

NOTES:
(a) wet cell batteries and waste oil may be accepted and temporarily stored at the licensed place for recycling purposes.
(b) drums containing any residual regulated waste are a regulated waste unless effectively cleaned in accordance with Operational Policy 'Determinations for management of regulated wastes'.
(c) definitions of domestic, commercial, domestic clean-up, construction or demolition, industrial, garden, and regulated wastes are in Section 12 of the Environmental Protection (Waste Management) Regulation 2000)

(E12-2) The following conditions must be complied with in temporary storage of Regulated Waste:

(i) Waste Batteries

Used wet cell batteries must only be stored at the waste disposal facility for a period of up to one (1) month and must be stacked in an upright position and stored in an area designated for this purpose.

Where storage of waste batteries is to occur for periods of longer than one (1) month they must be stored in a covered enclosure which has been bunded to contain spillage's and leakages.

(ii) Waste Oil

Waste oil must be temporarily stored in receptacle(s) at the waste disposal facility, and the receptacle(s) must :

- be stored in an area which is bunded to contain spillages and leakages;
- have closures in place to prevent rainwater entry and spillage (if knocked over); and
- have a filling mechanism which prevents rainwater entry.

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(iii) Bunding

Where it is impractical to completely roof a bunded area, the holder of this development approval must ensure that all spilled materials in bunded areas are cleaned-up as soon as practicable.

(iv) Tyres

Used tyres temporarily stored at the waste disposal facility must be stockpiled:

- in a designated area;
- with no more than 500 passenger tyre equivalents in whole or equivalent parts at any one time.

(E12-3) Limited regulated waste disposed of at the landfill must only be in a solid form.

(E12-4) Where waste is to be interred in a waste disposal cell that is not lined with an impermeable liner material the waste must comply with the waste acceptance criteria in schedule E – Table 1

Schedule E - Table 1.
Waste Acceptance Criteria - Unlined Waste Disposal Cells

Contaminant	Maximum contaminant level in solid waste (mg/kg)	Maximum contaminant leaching level (mg/L)
Antimony		0.5
Arsenic		0.5
Barium		10
Cadmium		0.05
Chromium		0.5
Cobalt		0.5
Copper		10
Lead		0.5
Mercury		0.01
Molybdenum		0.1
Nickel		0.5
Selenium		0.1
Silver		0.5
Thallium		0.1
Tin		0.3
Vanadium		0.5
Zinc		50
Bromide		5
Chloride		6000
Cyanide (total)		1.0
Fluoride		15
Sulphate		2500
Nitrate		100
Total organic carbon		10000
Benzene	10	0.1
Ethyl Benzene	500	5.0
Toluene	300	3.0
Xylene	250	2.0
Total Monocyclic aromatic hydrocarbons	500	5.0
Anthracene		0.07
Benz (a) anthracene		0.005
Benz (c) phenanthrene		0.005
Benzo (a) pyrene		0.002
Benzo (b) fluoranthene		0.005
Benzo (k) fluoranthene		0.005
Chrysene		0.10

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Contaminant	Maximum contaminant level in solid waste (mg/kg)	Maximum contaminant leaching level (mg/L)
Dibenz (a,h) anthracene		0.002
Dibenz (a,h) pyrene		0.01
Dimethylbenz (a) anthracene		0.005
Fluoranthene		0.02
Indeno (1,2,3-cd) pyrene		0.01
Napthalene		0.07
Phenanthrene		0.01
Pyrene		0.07
Total polycyclic aromatic hydrocarbons (PAH)	500	0.1
Phenol	100	1.0
m-cresol	250	2.0
o-cresol	250	2.0
p-cresol	250	2.0
Total non-halogenated phenol	250	
Chlorophenol	1	0.01
Trichlorophenol	5	0.1
Pentachlorophenol	5	0.1
Total halogenated phenol	5	
Carbon tetrachloride	5	0.03
1,2 Dichloroethane	10	0.1
1,1 Dichloroethene	1	0.003
Tetrachloroethene	10	0.1
Trichloroethene	25	0.3
Total chlorinated aliphatic compounds	25	
Chlorobenzene	100	1.0
Hexachlorobenzene	1	0.002
Total chlorinated aromatic compounds	100	
Aldrin		0.001
Chlordane		0.006
Chlorpyrifos		0.01
Dieldrin		0.001
DDT		0.003
Endrin		0.001
Heptachlor		0.003
Lindane		0.1
Methoxychlor		0.1
Toxaphene		0.005
Total organochlorine pesticides	5	
2,4-D		0.1
2,4-DB		0.2
MCPA		0.2
2,4,5-T		0.002
Total herbicides	25	
Carbaryl		0.06
Carbofuran		0.03
Total carbamate pesticides	25	
Diazinon		0.01
Parathion		0.03
Methyl Parathion		0.006
Total organophosphorus pesticides	10	
Atrazine		0.01
Simazine		0.01
Total Petroleum Hydrocarbons (C_6-C_9)	500	

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Contaminant	Maximum contaminant level in solid waste (mg/kg)	Maximum contaminant leaching level (mg/L)
Total Petroleum Hydrocarbons (C_{10}-C_{14})	5000	
Total Petroleum Hydrocarbons (C_{15}-C_{28})	10000	
Total Petroleum Hydrocarbons (C_{28}-C_{36})	10000	
Total Petroleum Hydrocarbons		25

Note: The contaminant levels in Table 1 are drawn from the limits applicable to unlined and lined landfills provided in Appendix C, Tables 1& 2 of the Liquid Industrial Waste Policy And Management Plans - Brisbane City Council 1994. Where a waste contains substances other than those listed, then disposal will be at the discretion of the relevant landfill licensee subject to the general duty not to cause environmental harm and (where applicable) to an approval under Chapter 7 Part 7 of the Environmental Protection Act 1994.

(E12-5) The following conditions must be complied with in the disposal of all forms of asbestos waste:

- the asbestos waste must be disposed of:
  - to a designated asbestos disposal pit(s) where no excavation takes place following the disposal of asbestos waste within that pit, and immediately covered with 200 mm of consolidated earth or equivalent cover material over the entire area of the pit; or
  - placed at the bottom of the current working face of the landfill unit (the disposal place) and immediately covered with at least 1 metre of waste;
- the asbestos waste, the asbestos waste disposal pit or disposal place as the case may be, and all areas within 2 metres of the disposal pit/disposal place and asbestos waste (the 2 metre buffer area) must remain undisturbed following the waste disposal operation (including not placing the waste in a position where any gas extraction wells are likely to be necessary or drilling any gas extraction wells through the waste deposit);
- plant and equipment must be available for any necessary preparation of the disposal pit/disposal place upon receipt of the asbestos waste and immediate covering of the asbestos waste and compacting of the area upon placement in the pit; and
- the asbestos waste must be contained within the final landfill unit at a minimum distance of two (2) metres from the surface and flanks of the final landfill unit, excluding any final cover system required as a condition of this development approval (where final landfill unit means that deposition to the landfill unit has ceased).

(E12-6) The following wastes must not be accepted onto the licensed place:

- liquescent waste streams or any waste capable of yielding free liquids (does not include leachate or condensate arising from gas collection within the licensed place);
- untreated infectious and chemical wastes and liquid pharmaceuticals from related waste stream;
- cytotoxic wastes;
- S8 pharmaceuticals;
- all radioactive wastes, unless otherwise approved under the *Radioactive Substances Act 1958;*
- pyrophoric wastes (where co-disposed with other potentially combustible material); and
- explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction.

(E12-7) No wastes that exhibit any of the hazard characteristics listed in Schedule E - Table 2 must be interred at the waste disposal facility.

Schedule E - Table 2.

Hazard Characteristic	Description Of The Hazard Characteristic
Ignitability	Regulated wastes that are capable of causing a fire when ignited through friction, absorption of moisture, or spontaneous chemical changes under standard temperature and pressure
Corrosivity	Regulated wastes which on dissolution exhibit a pH of 2 or less, or 12.5 or greater

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(E12-8) Notwithstanding conditions (E12-1) and (E12-6) of this environmental authority, minor amounts of regulated waste not specifically permitted to be accepted may be deposited at the licensed place provided:

- the regulated waste is incidental to and commingled with the general waste stream; and
- the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant; and
- it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited; and
- the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
- all practicable steps are taken to inform persons using the facility that such wastes are not included in the waste stream to be deposited at the waste disposal facility.

Clinical Waste Management

(E12-9) The waste disposal facilities within Wondai Shire (a scheduled area) may only accept a limited amount of clinical waste (up to five tonnes per year) from sources that are within Wondai Shire.

(E12-10) Clinical waste must be disposed of under supervised burial conditions, meaning that:

(i) a local government representative should supervise the immediate burial of the waste;
(ii) clinical waste should be deposited at the lowest edge of the landfill working face or excavation;
(iii) the waste should be covered immediately with at least one metre of solid general waste or clean fill;
(iv) any compaction must only be on the cover material – not on the clinical waste directly;
(v) the clinical waste disposal area should be at least two metres from the proposed or design edge of the landfill;
(vi) the location of the deposited waste should be marked on the landfill site map;
(vii) clinical waste should be at least two metres below the final surface of the landfill;
(viii) the name and address of the generating premise(s), and the amount and type of waste deposited should be recorded; and
(ix) a copy of this information should be given to the person depositing waste for their records.

(E12-11) Exposed waste (excluding recyclable waste that is temporarily stored in a defined area) must be limited to the working face of any landfill unit and the area of exposure must be minimised to the greatest extent practicable. For the purpose of this condition, no waste must be deposited beyond the boundaries of the landfill unit(s).

(E12-12) Earthen material necessary for coverage of deposited waste must be stored and be readily available at the premises to which this development approval relates in a quantity sufficient for not less than two weeks operation of the landfill facility.

(E12-13) Deposited waste must be covered:

- with earthen material to a thickness of at least 0.2 metres; or
- with other alternative material of sufficient thickness and nature to ensure that there is no exposure of waste.

For the purpose of this condition, the use of any alternative material must initiate a trial for a period of up to 3 months, such that potential environmental harm (eg. odour, vermin breeding) is assessed and reported to the administering authority upon completion.

Scavenging

(E12-14) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged from the site.

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Litter Control

(E12-15) Where litter is blown or washed from the premises to which this integrated authority relates in amounts that are significant in scale or extent, the holder of this integrated authority must take all reasonable and practicable actions to retrieve the litter and ensure that it is disposed of in an appropriate manner.

(E12-16) The holder of this integrated authority shall ensure that the movement of litter within the licensed place does not cause environmental harm or nuisance through the use of practical and effective litter control measures and management practices, such measures may include but are not limited to:

- minimisation of areas of uncovered wastes;
- frequent applications of cover material to deposited wastes;
- the use of relocatable litter screens around the area of the waste deposition;
- the use of fixed litter control fencing around the perimeter or other places; and
- the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Signage

(E12-17) The holder of this integrated authority must ensure that signs are erected at the entrances to the licensed place and in a prominent position on the licensed place, and be maintained in good repair to provide at least, the following:

- details of wastes which can be accepted at the site and wastes which are prohibited;
- advice that when the site is closed, that unauthorised dumping of waste is prohibited and the location of the nearest waste disposal facility;
- advice prohibiting the lighting of unauthorised fires on the site;
- the location of the tipping face; and
- the location of any wastes segregated and recycling areas.

Post-Closure Management

(E12-18) A site management plan pursuant to Chapter 7, Part 8, Division 5 of the *Environmental Protection Act 1994* must be developed and provided to the administering authority at least 12 months before the expected final receipt of wastes in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this authority.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

Contaminant Releases to Land

(F1-1) The only contaminant permitted to be released to land is treated sewage effluent from discharge locations W1 and W2 that complies with the limits (where specified) for quality characteristics listed in Schedule F Tables 1 and 2, at the specified monitoring locations.

Discharge Location W1 is the outlet point of the Wondai Sewage Treatment Works final treated effluent storage lagoon.

Discharge Location W2 is the outlet point of the final treated sewage effluent lagoon at Proston.

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(F1-2) The holder of this development approval must take all reasonable measures to provide for the uniform distribution of contaminants to land through either spray, trickle or sub surface irrigation systems. Reasonable measures would include, but not be limited to, following the irrigation equipment manufacturers', or their authorised agents, recommendations with regard to:

(a) using adequate sized irrigation supply mains to ensure adequate, but not excessive, flow and pressure to all distribution lines and sprays;
(b) the spacing between the distribution pipes and sprays to ensure that the treated effluent is distributed uniformly over the contaminant release area; and
(c) maintenance and monitoring procedures to ensure that the system continues to operate effectively

(F1-3) The irrigation of effluent 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 effluent;
- percolation of effluent beyond the plant root zone is minimised;
- the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and
- the quality of groundwater is not adversely affected.

(F1-4) Notwithstanding condition (F1-1) of this environmental authority, effluent must only be irrigated to land in accordance with the National Water Quality Management Strategy "Guidelines for sewerage systems – use of reclaimed water November 2000" (Agriculture and Resource Management Council of Australia and New Zealand; Australian and New Zealand Environment and Conservation Council; and National Health and Medical Research Council.

(F1-5) Notwithstanding any other condition of this environmental authority, the quality characteristic limits for contaminants released from the sewage treatment plants must not have any properties nor contain any organisms or contaminants in concentrations or which are capable of causing environmental harm or environmental nuisance.

Monitoring Treated Effluent

(F2-1) Monitoring of contaminant releases to land must be undertaken at the specified monitoring location and records kept, for the quality characteristics and at the frequency specified in Schedule F Tables 1 and 2.

Schedule F – Table 1.
Treated Effluent Monitoring Requirements for Discharge Location W1 (Wondai Sewage Treatment Plant)

Monitoring Location	Quality characteristics	Limit	Monitoring frequency
Chlorine contact tank	5-day Biochemical Oxygen Demand (mg/L)	20mg/L (maximum)	Monthly
Chlorine contact tank	Suspended Solids. (mg/L)	30mg/L (maximum)	Monthly
Chlorine contact tank	Faecal Coliforms (organisms/100mL)	1000 org/mL (Median value with 4 out of 5 samples containing <4 000 faecal coliform organisms per 100mL)	Monthly
Chlorine contact tank	pH. (pH Units)	6.5-8.5 (range)	Daily
Discharge Location W1	Total dissolved salts (mg/L)	1000 mg/L (maximum)	Monthly
Discharge Location W1	Total Nitrogen (mg/L)	30 mg/L (maximum)	Three monthly
Discharge Location W1	Total Phosphorus (mg/L)	15 mg/L (maximum)	Three monthly

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Schedule F – Table 2.
Treated Effluent Monitoring Requirements for Discharge location W2 (Proston Sewage Treatment)

Monitoring Location	Quality characteristics	Limit	Monitoring frequency
Discharge Location W2	5-day Biochemical Oxygen Demand. (mg/L)	NS	Monthly
Discharge Location W2	Suspended Solids. (mg/L)	NS	Monthly
Discharge Location W2	Faecal Coliforms (organisms/100mL)	NS	Monthly
Discharge Location W2	pH. (pH Units)	NS	Daily
Discharge Location W2	Total dissolved salts (mg/L)	NS	Monthly
Discharge Location W2	Total Nitrogen (mg/L)	NS	Three monthly
Discharge Location W2	Total Phosphorus (mg/L)	NS	Three monthly

'NS' means not specified.

(F2-2) All determinations of the quality of contaminants released must be made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual, and carried out on samples that are representative of the discharge.

(F2-3) The daily volume of contaminants released to land must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.

Provision of Treated Effluent to Other Persons

(F3-1) If the holder of this authority gives or transfers responsibility of the treated sewage effluent to another person(s) then the holder of this authority must:

(i) prior to giving such effluent or transferring ownership of such effluent to that person(s), obtain from that person details of how that person intends to comply with the general environmental duty provided for by Section 319 of the *Environmental Protection Act 1994* in respect of the use and disposal of such effluent, particularly in relation to environmental sustainability of any effluent disposal, protection of public health and protection of environmental values of waters; and

(ii) only give or transfer ownership of such effluent in accordance with a written agreement between the holder of this authority and that person(s); and

(iii) upon becoming aware that the person is not or is not likely to comply with the general environmental duty (GED) provided by Section 319 of the *Environmental Protection Act 1994*, cease the giving and transferring ownership of such effluent, until such time it can be demonstrated by the person, that compliance with the GED will be achieved.

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(F3-2) To ensure compliance with condition (F3-1)(i), the holder of this environmental authority must investigate the sustainability of disposal /reuse of treated effluent from discharge location W2 (from the Proston Sewage Treatment Works) to land. This investigation must determine an appropriate application rate for treated effluent to land based on:

- the area of land available for irrigation,
- the quantity and quality of effluent produced, and the ability of the land to assimilate the effluent to be reused;
- potential impacts of long-term irrigation on soils in the reuse area, with consideration being given to nutrient balance, including loads of Nitrogen and Phosphorous, salinity and sodicity;
- potential impacts on groundwater (if present) and surface waters; and
- an assessment of health risks associated with the application of treated effluent. The assessment must demonstrate consideration of the National Water Quality Management Strategy "Guidelines for sewerage systems – use of reclaimed water November 2000" as required by condition (F1-4).

A report detailing the findings of this investigation and results of monitoring required by Schedule F Table 2, must be completed and submitted to the administering authority **by 31 October 2006**.

Preventing unauthorised contaminant releases to land

(F4-1) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

(F4-2) All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

(F4-3) The base and walls of all bunded areas must be maintained free from gaps or cracks.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

(G1-1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

END OF Licence Without Development Approval (Section 93)

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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.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

"site" means the place to which this environmental authority relates or the premises to which this development approval relates.

"authorised place" means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.

"this authority" means this environmental authority/development approval.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994.*

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
- a motel, hotel or hostel;
- a kindergarten, school, university or other educational institution;
- a medical centre or hospital;
- a protected area;
- a park or gardens; or
- a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

"odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

"noxious" means harmful or injurious to health or physical well being.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes.

and includes a place within the curtilage of such a place reasonably used by persons at that place.

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"$L_{A\ 10,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"$L_{A\ 1,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

"$L_{A,\ max\ adj,\ T}$" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"noise affected premises" means a "noise sensitive place"or a "commercial place"

"noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area; or
- a park or gardens.

and includes the curtilage of such place.

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

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

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"protected area" means -

- a protected area under the Nature Conservation Act 1992; or
- a marine park under the Marine Parks Act 1992; or
- a World Heritage Area.

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

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"mg/L" means milligrams per litre.

"landfill unit" means a discrete area of land or an excavation that receives waste.

"landfill facility" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

"geotechnical stability of the landfill unit" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope, has ceased.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

- for an element - any chemical compound containing the element; and
- anything that has contained the waste.

"licensed vehicle" means a vehicle authorised to be used under the licence to transport regulated waste.

"registered vehicle" means "licensed vehicle"

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"clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

"scheduled area" means a local government area mentioned in the Environmental Protection Regulation 1998, schedule 8B.

"infectious waste" means "clinical waste"

"related waste" means waste that constitutes, or is contaminated with, chemicals, cytotoxic drugs, human body parts, pharmaceutical products or radioactive substances.

"vibration sensitive place" means a noise sensitive place or a commercial place.

"annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

END OF DEFINITIONS FOR SCHEDULE H

Schedule I - Maps / Plans

There are no attachments to this schedule.

END OF CONDITIONS FOR SCHEDULE I

END OF INTEGRATED AUTHORITY

30/05/05

Licence No. CM0243

Section 45(1)

FILE COPY

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

To: **NANANGO SHIRE COUNCIL**

Address: 48 Drayton Street
Nanango Qld 4615

in respect of carrying out the environmentally relevant activities at the following places:

Site No.	ERA No.	ERA Description	Address	RPD	Parish
1	15 (b)	Sewage Treatment	Bowman Road, Blackbutt	Lot 1, RP120341	Taromeo
2	15 (c)	Sewage Treatment	Grey Street, Nanango	Lot 200, FY2026	Nanango
3	16	Municipal Water Treatment	Hamiltons Road, Nanango	Lot 1, RP134479	Nanango
4	16	Municipal Water Treatment	Janice Court, Blackbutt	Lot 21, RP884794	Taromeo
5	28	Motor Vehicle Workshop	Dalby Street, Nanango	Lot 54, N2320	Nanango
6	75(a)(ii)	Waste Disposal	Tip Road, Blackbutt	Lot 119, CSH616	Taromeo
7	75(a)(iii)	Waste Disposal	Tip Road, Nanango	Lot 351, FY21	Nanango

Note: ***For the purposes of this environmental authority each condition listed herein corresponds to a site number(s) as described in the above table.***

ERA 15 (b) **Sewage Treatment** - operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons.

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.

ERA 16 **Municipal Water Treatment Plant** - treating water for domestic use (other than treatment that only involves disinfection).

ERA 28 **Motor Vehicle Workshop** - operating a workshop or mobile workshop in the course of which motor vehicle mechanical or panel repairs are carried out in the course of a commercial or municipal enterprise (other than on a farm) or on a commercial basis.

ERA 75(a)(ii) **Waste Disposal Facility** - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at a rate of 2 000t or more, but less than 5 000t, per year.

Licence No. CM0243 — Nanango Shire Council

Section 45(1)

ERA 75(a)(iii) Waste Disposal Facility - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at a rate of 5 000t or more, but less than 10 000t, per year.

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

The amendment of this licence takes effect from 31 January 2000, however, the anniversary date remains as 1 March each year.

David Everett
Delegate of Administering Authority
Environmental Protection Act 1994
12/1/2000

Licence No. CM0243 **Nanango Shire Council**

Section 45(1)

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

SCHEDULE A - GENERAL CONDITIONS

Access to Copy of Environmental Authority *(Refers to site numbers 1 to 7 inclusive)*

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

Records *(Refers to site numbers 1 to 7 inclusive)*

(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. For daily and weekly records, the record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations *(Refers to site numbers 1 to 7 inclusive)*

(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.

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

Monitoring and Measurements *(Refers to site numbers 1 and 2 only)*

(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.

(A25) All determinations of the quality of contaminants released to the environment and all measurement and reporting of noise levels that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.

D.E.

Section 45(1)

Integrated Environmental Management System (IEMS) *(Refers to site numbers 1 to 7 inclusive)*

(A9) The holder of this environmental authority must:

(a) develop and implement an Integrated Environmental Management System which provides for the following functions:

(i) the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
(ii) staff training and awareness of environmental issues; and
(iii) the conduct of environmental and energy audits; and
(iv) waste prevention, treatment and disposal; and

(b) on or before the first anniversary, have completed and implemented the Integrated Environmental Management System; and

(A10) A copy of the Integrated Environmental Management System must be kept at the Nanango Shire Council Chambers, 48 Drayton Street, Nanango.

Competency *(Refers to site numbers 1,2,3,4,6 and 7 only)*

(A13) The holder of this environmental authority shall ensure that the operation and maintenance of the **sewage treatment plant**, **municipal water treatment plant** and **refuse tips** is carried out by or under the supervision of a person competent to operate and maintain the **sewage treatment plant, municipal water treatment plant** and the **refuse tips**.

End of Conditions for Schedule A

SCHEDULE B - AIR

Noxious and Offensive Odours *(Refers to site numbers 1,2,6 and 7 only)*

(NS1) In the event of a complaint made to the administering authority about odour generated from the licensed activities that constitutes annoyance and the administering authority considers that complaint to be neither frivolous or vexatious, the holder of this environmental authority must take measures to mitigate the odour source to minimise noxious or offensive odour being released beyond the boundaries of the licensed place.

Dust Control *(Refers to site numbers 1 to 7 inclusive)*

(NS2) Any stockpiles of inert cover material must be managed so as to minimise wind blown dust emissions.

(NS3) The holder of this environmental authority must ensure that all wastes accepted onto the licensed places are handled, disposed of or stockpiled in such a way as to minimise dust generation.

(NS4) Trafficable areas must be sealed with bitumen or equivalent hard surface, or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust to the atmosphere.

(NS5) Waste oils, leachate, stormwater contaminated by contact with waste materials or effluent resulting from the washing down of trucks or the operation of wheel washers must not be used for dust suppression.

(NS6) In the event of a complaint being made to the administering authority about dust generation from the licensed activities that constitutes annoyance and the administering authority considers the complaint to be neither frivolous or vexatious, the holder of the environmental authority must take suitable measures to mitigate the source of dust generation so as to minimise the released dust from the licensed place.

End of Conditions for Schedule B

SCHEDULE C - WATER

Release of Contaminants to Waters *(Refers to site numbers 1 and 2 only)*

(C2) The only contaminants permitted to be released from the licensed place at the release points described in SCHEDULE C - TABLE 1:

SCHEDULE C - TABLE 1

Release Point	Contaminant	Source
W1	Treated Sewage Effluent	Chlorination Tank-Nanango Sewage Treatment Plant
W2	Treated Sewage Effluent	Final Aeration Pond-Blackbutt Sewage Treatment Plant

Release Points *(Refers to site numbers 1 and 2 only)*

(C3) Contaminants that may cause environmental harm 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 **W1** - Sewage Treatment effluents from the Nanango Sewage Treatment Plant, discharged to waters described as Sandy Creek.

Release Point **W2** - Sewage Treatment effluents from the Blackbutt Sewage Treatment Plant, discharged to waters described as Taromeo Creek.

Quality Characteristics of Release to Waters *(Refers to site number 1 and 2 only)*

(C9) The release of contaminants to waters must comply, at the sampling and in situ monitoring point/s specified in SCHEDULE H, with each of the limits specified in SCHEDULE C - TABLE 2 and 3 for each quality characteristic.

SCHEDULE C - TABLE 2

Release Quality Characteristic Limits for Nanango Sewage Treatment Plant

QUALITY CHARACTERISTICS	RELEASE POINT NUMBER	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (mg/l)	W1	20	maximum
Suspended Solids (mg/l)	W1	30	maximum
pH (pH units)	W1	6.5 - 8.5	range
Dissolved Oxygen (mg/l)	W1	6	minimum
Free Residual Chlorine (mg/l)	W1	0.3 - 0.7	range
Faecal Coliforms (organisms/100 ml)	W1	1000 organisms per 100 millilitres as a medium value, with 4 out of 5 consecutive samples containing less than 4000 organisms per 100 millilitres.	

SCHEDULE C - TABLE 3

Release Quality Characteristic Limits for Blackbutt Sewage Treatment Plant

QUALITY CHARACTERISTICS	RELEASE POINT NUMBER	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (mg/l)	W2	20	maximum
Suspended Solids (mg/l)	W2	30	maximum
pH (pH units)	W2	6.5 - 8.5	range
Dissolved Oxygen (mg/l)	W2	6	minimum
Faecal Coliforms (organisms/100 ml)	W2	1000 organisms per 100 millilitres as a medium value, with 4 out of 5 consecutive samples containing less than 4000 organisms per 100 millilitres.	

Pump Stations *(Refers to site number 2 only)*

(NS7) Pump station failure must not result in a direct or indirect release of contaminants to waters more that once every 10 years except as a result of power failure, excessive rainfall, accidental damage or other emergency.

(C12) The only pump station permitted to release contaminants to any waters are those listed below at the corresponding overflow location listed in SCHEDULE C - TABLE 4:

SCHEDULE C - TABLE 4

Pump Station/Description	Lot/Plan No.	Discharge Location
A / Nanango Sewage Treatment Plant	200/Fy2797-Reserve 677	Sandy Creek

(C13NS)Pump stations whose failure would or would be likely to result in a direct or indirect release of contaminants to waters must be fitted with screens, a stand-by and duty pumps and pump-failure alarms.

End of Conditions for Schedule C

SCHEDULE D - STORMWATER MANAGEMENT

General *(Refers to site numbers 1 to 7 inclusive)*

(NS8) The holder of this environmental authority must submit to the administering authority details of any changes to the stormwater flow from the licensed activities.

(Refers to site number 5 only)

(NS9) The maintenance and cleaning of vehicles and any other plant or equipment must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.

(NS10) Any spillages 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 materials to any stormwater drainage system, roadside gutter or waters.

Refuse Management *(Refers to site numbers 6 and 7 only)*

(NS11) The general waste disposal areas are to be protected from the ingress of uncontaminated stormwater by the adequate provision of diversion drains and/or embankments, or grading of land to fall away from the sides of each trench.

(NS12) No drainage works shall be extracted or permitted to erode into previously completed refuse strata.

(NS13) Deposited waste at the landfill facilities must be covered with 0.2 metre earthen material or equivalent, so that no putrescible wastes are exposed.

Bunding

(Refers to site numbers 1 and 2 only)

(NS14) All sludge drying beds must be bunded to prevent the ingress of uncontaminated stormwater.

(NS15) All bunding must be constructed of materials which are impervious to the materials being stored.

(NS16) The base and walls of all bunded areas must be maintained free of gaps and cracks.

(Refers to site number 5 only)

(NS17) On or before the first anniversary date of the issue of this amended environmental authority, all emulsion/kerosene storage loading/unloading points must be constructed, maintained and bunded in accordance with *Australian Standard 1940-1993, The storage and handling of flammable and combustible liquids.*

(NS18) On or before the first anniversary date of the issue of this amended environmental authority, all oil storage loading/unloading points must be constructed, maintained and bunded in accordance with *Australian Standard 1940-1993, The storage and handling of flammable and combustible liquids.*

(NS19) All bunding must be constructed of materials which are impervious to the materials being stored.

(NS20) The base and walls of all bunded areas must be maintained free of gaps and cracks.

(NS21) No contaminated liquids within the bunded areas should be released to any waters, roadside gutter or stormwater drainage system.

(NS22) All uncontaminated stormwater should be diverted away from contaminated areas.

(NS23) All bunding must be roofed where practicable.

Oil Water Separator *(Refers to site number 5 only)*

(NS24) On or before the first anniversary date of the issue of this amended environmental authority, an oil/water separator must be installed to ensure that all contaminated water collected from the designated vehicle washdown is treated prior to release.

End of Conditions for Schedule D

SCHEDULE E - LAND APPLICATION

No conditions specified for Schedule E.

End of Conditions for Schedule E

SCHEDULE F - NOISE

Emission of Noise *(Refers to site numbers 1 to 7 inclusive)*

(NS25) The emission of noise from the licensed activities shall conform to the contents of the *Environmental Protection (Noise) Policy 1997.*

End of Conditions for Schedule F

SCHEDULE G - WASTE MANAGEMENT

General *(Refers to site numbers 6 and 7 only)*

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

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

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm and this condition does not apply to activities carried out under the provisions of the Fire Services Act 1990.)

(NS26) The holder of this environmental authority must make provision to ensure that the operation of the landfill sites and regulated waste disposal facility, does not create a health problem. The holder of this environmental authority must carry out certain work on request by the administering authority to prevent or abate any public health problems or nuisance which may arise as result of the operation of the landfill sites and regulated waste disposal facility.

Waste Acceptance at Waste Disposal Facility *(Refers to site numbers 6 and 7 only)*

(NS27) No regulated wastes are permitted to be deposited at the licensed places.

(NS28) Notwithstanding NS14, minor amounts of regulated wastes may be deposited at the licensed places provided:

(i) the regulated waste is incidental to and commingled with the general waste stream;
(ii) the quantity and concentration of the regulated waste (both individually and in aggregate) is insignificant;
(iii) it is impracticable to segregate the regulated waste from other waste which is permitted to be deposited;
(iv) the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm; and
(v) all practicable steps are taken to inform persons using the facility that such wastes are not to be included in the waste stream to be deposited at the waste disposal facility.

(Refers to site numbers 7 only)

(NS29) The disposal pit for the purpose of regulated waste disposal must be constructed in such away that will allow maximum evaporation rates to occur.

Section 45(1)

Off Site Movement *(Refers to site numbers 1 to 7 inclusive)*

(G4) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and 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.

Notification of Improper Disposal of Regulated Waste *(Refers to site numbers 1 to 7 inclusive)*

(G18) 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 *(Refers to site numbers 1 to 7 inclusive)*

(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 with the following details:

(a) time, date and nature of complaint;
(b) type of communication (telephone, letter, personal etc.);
(c) 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);.
(d) response and investigation undertaken as a result of the complaint;
(e) name of person responsible for investigating complaint; and
(f) action taken as a result of the complaint investigation and signature of responsible person.

Monitoring of Contaminant Releases to Waters *(Refers to site numbers 1 and 2 only)*

(H3) 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, 2 and 3.

SCHEDULE H - TABLE 1

Required Release Point Determinations for the Nanango Sewage Treatment Plant

Determination Required	Frequency
5-Day Biochemical Oxygen Demand (mg/l)	Monthly
Suspended Solids (mg/l)	Monthly
pH (pH units)	Monthly
Dissolved Oxygen (mg/l)	Monthly
Free Residual Chlorine (mg/l)	Monthly
Faecal Coliforms (organisms/100ml)	Monthly

Note: The above frequency can be revised after initial results of first 12 months (12 sets of data) have been assessed by the administering authority.

SCHEDULE H - TABLE 2

Required Release Point Determinations for the Blackbutt Sewage Treatment Plant

Determination Required	Frequency
5-Day Biochemical Oxygen Demand (mg/l)	Monthly
Suspended Solids (mg/l)	Monthly
pH (pH units)	Monthly
Dissolved Oxygen (mg/l)	Monthly
Faecal Coliforms (organisms/100ml)	Monthly

Note: The above frequency can be revised after initial results of first 12 months(12 sets of data) have been assessed by the administering authority.

Sampling and Monitoring Point Details *(Refers to site numbers 1 and 2 only)*

(H4) 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 in situ monitoring point(s) described as:
See SCHEDULE C - TABLE 2 and 3.

(H5) 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.

Report Submission *(Refers to site numbers 1 and 2 only)*

(H14) 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 *(Refers to site numbers 1 to 7 inclusive)*

(H16) A record must be maintained of at least the following events:

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

Section 45(1)

Notification of Emergencies and Incidents *(Refers to site numbers 1 to 7 inclusive)*

(H18) Where the holder of this environmental authority has not given notification to the administering authority under *section 37* of the *Environmental Protection Act 1994*, 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.

(H19) Where the holder of this environmental authority has not given notification to the administering authority under *section 37* of the *Environmental Protection Act 1994*, the notification of emergencies or incidents as required by condition number **H18** must include but not be limited to the following:

(a) The holder of the environmental authority;
(b) the location of the emergency or incident;
(c) the number of the environmental authority;
(d) the name and telephone number of the designated contact person;
(e) the time of the release;
(f) the time the holder of the environmental authority became aware of the release;
(g) the suspected cause of the release;
(h) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and
(i) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H20) Where the holder of this environmental authority has not given notification to the administering authority under *section 37* of the *Environmental Protection Act 1994*, 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 **H19**, in addition to:

(a) Proposed actions to prevent a recurrence of the emergency or incident;
(b) Outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.

Exception Reporting *(Refers to site numbers 1 and 2 only)*

(H21) The holder of this environmental authority must notify the administering authority in writing within 28 days of completion of analysis of any result of a monitoring program required by a condition of this environmental authority which indicates an exceedance of any limit specified in this environmental authority.

(H22) The written notification required by condition number **H21**, above must include:

(a) The full analysis results;
(b) Details of investigation or corrective actions taken; and
(c) Any subsequent analysis.

End of Conditions for Schedule H

D.E

SCHEDULE I - DEFINITIONS

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

(I2) "mg/l" means milligrams per litre.

Water Definitions

(I13) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I14) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I15) "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.

Noise Definitions.

(I16) "$L_{Amax\ adj,T}$" 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.

(I17) "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

$L_{Abg,T}$ 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.

(I19) "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 public park or gardens.

(I20) "commercial place" means a place used as an office or for business or commercial purposes.

End of Conditions for Schedule I

END OF CONDITIONS

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Wide Bay Burnett District Office (Maryborough)
PO Box 101 MARYBOROUGH QLD 4650
Phone: (07) 4121 1800 Fax: (07) 4121 1650
www.env.qld.gov.au ABN: 87221158786

Integrated Authority No. CM0247

Section 311 *Environmental Protection Act 1994*

This integrated authority, issued in accordance with section 311 of the Environmental Protection Act 1994 (the EP Act), provides for the carrying out of different Environmentally Relevant Activities or Environmentally Relevant Activities at different places managed in an integrated way. This integrated authority comprises one or more type of environmental authority in accordance with sections 86, 93, 95, 104, 113 and 311, of the EP Act, and this integrated authority details the conditions that are relevant to each stated type of environmental authority.

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

Kingaroy Shire Council
Administration Chambers
Glendon Street
KINGAROY QLD 4610

in respect of carrying out the Environmentally Relevant Activities (ERAs) at the different places and under the types of environmental authorities described in the following parts.

This integrated authority is subject to the conditions set out in the attached schedules for each part.

The anniversary date of this integrated authority is **8 September** each year.

This **amended** integrated authority takes effect from 7 January 2005.

Signed

7-1-05
Date

Mark Evans
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

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

THIS INTEGRATED AUTHORITY CONSISTS OF THE FOLLOWING PARTS:

Each part consists of conditions relevant to various issues.

Part A - Licence Without Development Approval (Section 93)

Site Number	Site Name	Location	Real Property Description	Environmentally Relevant Activity (ERA)
1	Sewage Treatment Plant	Hodges Road, Kingaroy	1 RP84673, 22FY2137	15(d)
3	Carroll's Gravel Pit	Luck Road, Kingaroy	40 RP814983	20(b) and 22(b)
4	Sullivans Gravel Pit	Recreation Drive, Kingaroy	2 RP212916	20(b) and 22(b)
5	Bunya Park Gravel Pit	Bunya Highway, Kingaroy	211 FY2189 Res674	20(b) and 22(b)
6	Kamholtz Gravel Pit	Stuart Valley Road, Kingaroy	3 RP 179202	20(b) and 22(b)
8	Kingaroy Refuse Tip	Luck Road, Kingaroy	1 RP167555, 1RP114513	75(a)(iii)
9	Malar Refuse Tip	Coolabunia Road, Kingaroy	311 FY2509	75(a)(i)
10	Booie Refuse Tip	Radunz Road, Kingaroy	318 FY2516	75(a)(i)
11	Wooroolin Refuse Tip	Sportsground Road, Wooroolin	387 FY738	75(a)(i)
12	Kumbia Refuse Tip	Kearney's Road, Kumbia	216 FY800284, Res660	75(a)(i)
13	Bunya Park Refuse Tip	Bunya Highway, Kingaroy	211 FY2189, Res674	75(a)(i)
14	Nightsoil Depot	Bunya Highway, Kingaroy	2 RP159347	75(b)(i)
16	Various sites	Regulated Waste Transport Vehicle Registration number 793 CVQ		83(b)(i)

Part B - Level 2 Approval (Section 104)

Site Number	Site Name	Location	Real Property Description	Environmentally Relevant Activity (ERA)
2	Water Treatment Plant	Gordonbrook Dam, Kingaroy	46 FY838992	16
7	Council Depot	Pound Street, Kingaroy	13 RP 814986	11(a)
15	Dog Pound	Hodges Road, Kingaroy	1 RP84673	43

Part C – Licence (with Development Approval) (Section 86)

Site Number	Site Name	Location	Real Property Description	Environmentally Relevant Activity (ERA)
17	Motor Vehicle Workshop	Ivins Street, Kingaroy	Lot 26 SP153807 (previously described as Lot 21 SP108197)	28

Description of Environmentally Relevant Activities:

ERA 11(a) Petroleum Product Storage (capacity 10,000 to 500,000L)
ERA 15(d) Standard Sewage Treatment Works (4,000 to 10,000 equivalent persons)
ERA 16 Municipal Water Treatment Works
ERA 20(b) Extraction of rocks or other material (5000 t to 100,000 t per year)
ERA 43 Animal Housing (Dog Pound)
ERA 75(a)(i) General Waste Disposal Facility (waste less than 2000t/yr)

ERA	75(a)(iii)	General Waste Disposal Facility (waste 5000 to 10000t/yr)
ERA	75(b)(i)	Regulated Waste Disposal Facility
ERA	28	Motor Vehicle Workshop
ERA	83(b)(i)	Regulated waste transport - Transporting regulated waste commercially or in quantities of more than 250 kg in a load for other regulated waste for 1 or more licensed vehicles but not more than 35 licensed vehicles

The aforementioned description of the ERA(s) for which this authority is issued is simply a restatement of the ERA(s) as prescribed in the legislation at the time of issuing the authority. Where there is any conflict between the above description of the ERA(s) 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(s) then such conditions prevail to the extent of the inconsistency.

The authority is issued subject to conditions as set out in the schedules attached that form part of the integrated authority.

MDE 7-1-05

Licence Without Development Approval (Section 93) Part A

This part is for the carrying out of a level 1 environmentally relevant activity without a development approval, under chapter 4, part 3, division 2, subdivision 1 of the Environmental Protection Act 1994.

SCHEDULE A - GENERAL CONDITIONS

Access to Copy 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

(NS1) Any record or document required to be kept by a condition of this environmental authority must be kept at the Kingaroy Council Office or at the Works Depot or at the site for a period of at least five years and be available for examination by an authorised person. For daily and weekly records, 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. Where this environmental authority relates to a vehicle or vehicles, the records must be kept at the Kingaroy Shire Council's Office or at the Council's Works Depot.

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.

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

Monitoring and Measurements

(A25) All determinations of the quality of contaminants released to the environment and all measurement and reporting of noise levels that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.

(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.

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Integrated Environmental Management System (IEMS)

(NS2) The holder of this environmental authority must:

(a) develop and implement an Integrated Environmental Management System which provides for the following functions:

(i) the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
(ii) staff training and awareness of environmental issues; and
(iii) the conduct of environmental and energy audits; and
(iv) waste prevention, treatment and disposal; and

(b) By **27 February 1999**, lodge a detailed description of the Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and

(c) have due regard to that comment in the finalisation of the Integrated Environmental Management System.

(d) By **31 August 1999**, have completed the IEMS document and commenced implementation of its requirements.

(A10) A copy of the Integrated Environmental Management System must be kept at the Council Office.

Competency

(A13) The holder of this environmental authority shall ensure that the operation and maintenance of **Sewage treatment works, Extraction of rocks or other material, General waste disposal facility and Waste Transport** is carried out by or under the supervision of a person competent to operate and maintain **Sewage treatment works, Extraction of rocks or other material, General waste disposal facility and Waste Transport** activities.

Report Submission

(H14) 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

(H16) A record must be maintained of at least the following events:

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

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Notification of Emergencies and Incidents

(H18) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, 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.

(H19) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, the notification of emergencies or incidents as required by condition number **H18** must include but not be limited to the following:

(a) The holder of the environmental authority;
(b) the location of the emergency or incident;
(c) the number of the environmental authority;
(d) the name and telephone number of the designated contact person;
(e) the time of the release;
(f) the time the holder of the environmental authority became aware of the release;
(g) the suspected cause of the release;
(h) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and
(i) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H20) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, 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 **H19** in addition to:

(a) proposed actions to prevent a recurrence of the emergency or incident;
(b) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance, and

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B - AIR

Noxious or Offensive Odour *(Applicable to site numbers **1, 8, 9, 10, 11, 12, 13, 14** and **16** only)*

(NS3) In the event of a complaint made to the administering authority about odour generated on the licensed place that constitutes annoyance and after investigation the administering authority considers that complaint to be neither frivolous or vexatious, the holder of this environmental authority must take measures to mitigate the odour source to minimise noxious or offensive odour being released beyond the boundaries of the licensed place.

Dust Control *(Applicable to site numbers **8, 9, 10, 11, 12, 13,** and **14** only)*

(NS4) Any stockpiles of cover material must be managed so as to minimise wind blown dust emissions.

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(NS5) The holder of this environmental authority must ensure that all wastes accepted onto the licensed place are handled, disposed of or stockpiled in such a way as to minimise dust generation.

(NS6) In the event of a complaint being made to the administering authority regarding dust generated on the licensed place that constitutes annoyance, and the administering authority considers the complaint to be neither frivolous or vexatious, the holder of this environmental authority must take measures to mitigate the source of dust generation so as to minimise the release of dust from the licensed place.

Dust Control *(Applicable to site numbers **3, 4, 5,** and **6** only)*

(NS7) Any stockpiles of material must be managed so as to minimise wind blown dust emissions. Where appropriate, water sprays be used and operated to minimise the release of dust and particulate matter to the atmosphere.

(NS8) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

(NS9) Access roads must be maintained in a condition which minimises the release of wind blown or traffic generated dust.

(NS10) Material transport is to be carried out in a manner that does not cause environmental nuisance through emissions of dust.

(B73) Completed areas must be rehabilitated or stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.

(B74) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

(B75) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Release of Contaminants to Waters *(Applicable to site number **1** only)*

(NS11) The only contaminants permitted to be released from the licensed place at the release point **W1** marked on **Plan No "A"** is **sewage treatment effluent** from the **Sewerage Treatment Plant, Hodges Road, Kingaroy. The above Plan "A" is to be included in the IEMS.**

(C3) Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the treated effluent and waste water from the sources at the locations listed below:

Release Point W1, treated sewage effluent from the Sewerage Treatment Plant at Hodges Road, Kingaroy.

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Disposal of Treated Effluent (*Applicable to Site number 1 only)*

(NS12) By **27 February 1999**, the holder of this environmental authority must have completed a study for the disposal of treated effluent and submitted a report to the administering authority. Recommended levels for the quality of treated effluent that is to be discharged into Stuart River should not exceed the following quality characteristics (as specified in **Schedule C Table 1**).

SCHEDULE C TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS FOR DISCHARGE OF TREATED EFFLUENT TO WATER (For Site 1)

QUALITY CHARACTERISTICS	RELEASE POINT NUMBER	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand. (mg/L)	W1	20	Maximum
Suspended Particulate Matter (mg/L)	W1	10% increase	Maximum
pH. (pH Units)	W1	6.5-9.0	Range
Dissolved Oxygen. (mg/L)	W1	6	Minimum
Temperature (°C)	W1	2^0 increase	Maximum
Total Nitrogen (mg/L)	W1	0.750	Maximum
Total Phosphorus. (mg/L)	W1	0.1	Maximum
Faecal Coliforms (Organisms/100 ml)	W1	1000	Median *

* Minimum of five samples taken at regular intervals not exceeding one month, with four out of five samples containing less than 4,000 organisms/100mL.

Monitoring of Contaminant Releases to Water *(Applicable to Site number 1 only)*

(H3) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the treated effluent for the release points, quality characteristics, and at the frequency specified in Schedule C Table 2.

SCHEDULE C - TABLE 2 Monitoring parameters for treated effluent released to water

QUALITY CHARACTERISTIC DETERMINATION	RELEASE POINTS	FREQUENCY
pH.	W1	Daily
Electrical Conductivity	W1	Daily
Dissolved Oxygen.	W1	Daily
Temperature	W1	Daily
5-day Biochemical Oxygen Demand.	W1	Weekly
Suspended Particulate Matter	W1	Weekly
Total Nitrogen	W1	Monthly
Total Phosphorus	W1	Monthly
Total Coliforms (Organisms/100ml)	W1	Monthly
Faecal Coliforms (Organisms/100 ml)	W1	Monthly

Note: The above frequency can be revised after initial results of first 12 months have been assessed by the administering authority.

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Sampling and Monitoring Point Details *(Applicable to Site number 1 only)*

(H4) Determinations of the quality of treated effluent 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 in situ monitoring points described as: **(Release point W1, release pipe at the Sewerage Treatment Plant at Hodges Road, Kingaroy)**

(H5) All determinations of the quality of treated effluent 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.

Ambient Water Quality Monitoring *(Applicable to Site numbers 1, 8, 9 and 14 only)*

(NS55) By **27 February 1999,** the licensee shall develop an ambient monitoring program for surface and groundwater to monitor the impacts of the licensed activities on the receiving environment. The required parameters to be tested are given in Schedule C Tables 3 and 4 for the following monitoring locations;

- Stuart River (upstream of the Sewerage Treatment Plant, Kingaroy)
- Stuart River (downstream of the irrigation area of the Sewerage Treatment Plant)
- Groundwater (bores, up gradient of the Sewerage Treatment Plant, Kingaroy)
- Groundwater (bores, down gradient of the Sewerage Treatment Plant, Kingaroy)
- Groundwater (bores, up gradient of the Malar Refuse Site, Coolabunia Road, Kingaroy)
- Groundwater (bores, down gradient of the Malar Refuse Site, Coolabunia Road, Kingaroy)
- Groundwater (bores, down gradient of the waste disposal facility, Luck Road, Kingaroy)
- Groundwater (bores, down gradient of the Night Soil Depot, Bunya Highway, Kingaroy)
- Groundwater (bores, up gradient of the Night Soil Depot, Bunya Highway, Kingaroy)

SCHEDULE C TABLE 3 Ambient monitoring requirements for surface water (For site 1 only)

PARAMETER	FREQUENCY
pH	Quarterly
Temperature (in-situ)	Quarterly
Dissolved oxygen (mg/L)	Quarterly
Electrical Conductivity (µS/cm)	Quarterly
Total Nitrogen and its forms (mg/L)	Quarterly
Total Phosphorous (mg/L)	Quarterly
Total Coliforms (Organisms/100ml)	Quarterly
Faecal Coliforms (Organisms/100ml)	Quarterly

Note: The above frequency can be revised after initial results of first 24 months have been assessed by the administering authority.

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SCHEDULE C TABLE 4 Ambient monitoring requirements for ground water (For sites 1, 8, 9 and 14 only)

PARAMETERS	FREQUENCY
Water level (m)	Quarterly
pH	Quarterly
Electrical Conductivity (µS/cm)	Quarterly
Total Nitrogen (mg/L) and its forms	Quarterly
Total Phosphorous (mg/L)	Quarterly

Note: The above frequency can be revised after initial results of first 24 months have been assessed by the administering authority.

Stormwater Management

(D1) The holder of this environmental authority must:

(a) develop and implement stormwater management plans for each site which provide for the following functions:

- avoidance or minimisation of contaminated stormwater; and
- reuse, treatment and disposal of contaminated stormwater; and

(b) By **31 August 2001,** have completed the stormwater management plans.

(c) By **31 August 2003**, have implemented the stormwater management plans.

(D2) A copy of the Stormwater Management Plan must be kept at the licensed places where practical.

Refuse Management *(Applicable to site numbers **8, 9 10, 11, 12, 13, and 14 only**)*

(NS14) The general waste disposal areas and night soil disposal areas are to be protected from the ingress of uncontaminated stormwater by the adequate provision of diversion drains and/or embankments, or the grading of land to fall away from the sides of each trench.

(NS15) No drainage works shall be excavated or permitted to erode into previously completed refuse strata.

(NS16) Uncontaminated water shall be drained or pumped away as soon as practicable. If water is contaminated, it shall be contained and evaporated, irrigated or otherwise removed in such a manner as to avoid contamination of uncontaminated waters.

(NS18) Contaminated runoff must not be allowed to leave the boundaries of the property.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - NOISE

(NS22) The emission of noise from the licensed activities shall confirm to the contents of the *Environmental Protection (Noise) Policy 1997.*

Noise Monitoring

(H9) For the purposes of checking compliance with condition **NS22** of noise schedule, monitoring and recording of the noise levels from the activities must be undertaken at least for the following descriptions, characteristics and conditions:
(a) $L_{Amax, Adj\ T}$;
(b) $L_{Abg, T}$ or $L_{A90, T}$;
(c) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(d) Effects due to extraneous factors such as traffic noise.

(H11) 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.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E - WASTE

General

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

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

(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm).

Waste Acceptance *(Applicable to Site numbers **8, 9, 10, 11, 12,** and **13** only)*

(NS23) The only wastes to be disposed of within the landfill facility must be domestic, commercial and non-hazardous industrial wastes. No regulated wastes are permitted to be disposed at the licensed place.

(NS24) Notwithstanding condition **NS 23**, minor amount of regulated waste may be deposited at the licensed place provided;

(i) the regulated waste is incidental to and commingled with the general waste stream; and
(ii) it is impractical to segregate the regulated waste from other waste which is permitted to be deposited;
(iii) the quantity and concentration of the regulated waste (both individually and in aggregate is insignificant);
(iv) the deposition of the regulated waste is not likely to cause any risk of fire, explosion, public health danger, nuisance, or environmental harm;
(v) the disposal of regulated waste is specifically authorised by the administering authority for the purposes of administering the *Contaminated Land Act 1991*;
(vi) all practicable steps are taken to inform persons using the facility that such wastes are not be included in the waste stream to be deposited at the waste disposal facility; and
(vii) in the case of asbestos and asbestos coated metal sheets, they must be disposed in accordance with the "*Workplace Health & Safety Code of Practice* for *Safe Treatment, Removal and Disposal of Asbestos, cement Sheeting and Asbestos Coated Metal Sheetings*".

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Waste Acceptance *(Applicable to Site number 8 only)*

(NS25) Notwithstanding condition **NS 23**, minor amount of infectious materials may be deposited at the licensed place provided handling, transporting, and disposing of wastes and cleaning of bins are carried out in a manner that does not cause environmental harm. The area used for the disposal of such wastes is to be separated from other areas and entry is to be restricted to the personnel handling such wastes.

Septic Tank Effluent Disposal Facility *(Applicable to Site 14 only)*

(NS26) The disposal pit used for the purpose of septic tank effluent disposal must be constructed in such a way that it will allow maximum evaporation rate to occur.

(NS27) The disposal pit must be constructed at least three metres above the expected maximum ground water level to minimise groundwater contamination.

(NS28) The holder of this environmental authority shall ensure that
- i. site is securely fenced on all sides; and
- ii. the site to be provided with suitable gates so that entry to the site is limited; and
- iii. the gates are kept closed when not in use.

Public Health *(Applicable to Site numbers 8, 9, 10, 11, 12, 13, and 14 only)*

(NS29) The holder of this environmental authority must operate the waste disposal facility in such a manner to ensure that the waste disposal facility does not create a public health problem.

(NS30) The holder of this environmental authority must take all practical measures to ensure that the environmentally relevant activity is conducted at all times in a nuisance free manner, particularly regarding suppression and control of fly breeding, mosquito, and rat harbouring.

(NS31) The holder of this environmental authority must carry out any works required by the administering authority to prevent or abate any public health problem or nuisance which may arise as the result of the operation of the licensed place.

Disposal Trench Management *(Applicable to Site numbers 8, 9, 10, 11, 12 and 13 only)*

(NS32) The holder of this environmental authority must ensure that any disposal trench is not prone to groundwater seepage.

(NS33) Deposited waste must be covered with at least 0.2 metre of suitable cover material at an appropriate frequency to ensure that the disposal of refuse is conducted in a nuisance free manner, particularly regarding fly breeding, mosquito breeding, rat harbourage and breeding, odour emissions and wind dispersal of plastics and paper.

(NS34) Sufficient cover material referred to in condition **NS33** must be stored, and readily available at the waste disposal facility.

(NS35) Every lift of waste deposited within the waste disposal facility must be evenly and properly compacted by sufficient passes of mechanical devise of an appropriate weight and type over the deposited waste as soon as practicable after the deposition of the waste on the operating face of the waste disposal facility.

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(NS36) Large material items for burial within the landfill facility must be compacted before being deposited into waste disposal trenches.

(NS37) No wastes shall be deposited beyond the boundaries of the landfill unit.

(NS38) Exposed wastes must be confined to the operating face of the waste disposal facility and the area of the operating face of the waste disposal facility must be maintained to an area as small as practicable.

Vehicle Access *(Applicable to Site numbers **8, 9, 10, 11, 12, 13, and 14** only)*

(NS39) The holder of this environmental authority shall ensure that all weather access roads must be provided to the site and to the designated waste disposal area. Vehicle traffic must be closely controlled within the site by traffic barriers and signage to ensure that waste is deposited only in designated areas.

Litter Control *(Applicable to Site numbers **8, 9, 10, 11, 12, and 13** only)*

(NS40) The holder of this environmental authority shall ensure that the movement of litter of the licensed place does not cause environmental harm or nuisance through the use of practicable and effective litter control measures and management practices. such measures may include, but not be limited to, minimisation of the areas of uncovered wastes; frequent applications of cover material to deposited wastes; the use of relocatable litter screens around the area of waste deposition; the use of fixed litter control fencing around the site perimeter or other places; the implementation of regular litter collection programs that include cleaning of site perimeter fencing.

Fire Prevention and Control *(Applicable to Site numbers **8, 9, 10, 11, 12, and 13** only)*

(NS41) The holder of this environmental authority shall provide and maintain at all times a sufficient firebreak/s which meets the satisfaction of the Regional Fire Commander.

Scavenging *(Applicable to Site numbers **8, 9, 10, 11, 12 and 13** only)*

(NS42) Scavenging of materials from the waste disposal area is prohibited except where a written agreement exists between the licensee and an approved scavenging contractor. Food, clothing, bedding, toiletries and other personal effects are not permitted to be scavenged.

Final Cover *(Applicable to Site numbers **8, 9, 10, 11, 12, 13, and 14** only)*

(NS43) The holder of this environmental authority shall ensure that completed waste disposal areas are progressively capped with a final cover system consisting of such layers of suitable material of appropriate thickness, placed and compacted as necessary to:
(i) prevent the exposure of deposited wastes due to erosion;
(ii) prevent as far as practicable the infiltration of water through the cover system; and
(iii) support vegetation types appropriate to post-closure land use, and which will not cause the disruption of the integrity of the final cover system.

(NS44) The surface of the final cover system referred to in condition **NS43** shall be graded and or terraced, equipped with surface drains, and vegetated as soon as practicable after installation of the final over system so as to:
(i) prevent damage to earthworks and cover systems due to erosion;
(ii) divert stormwater away from the completed disposal area; and
(iii) prevent ponding of stormwater over any area of the final cover system.

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Site Security *(Applicable to Site numbers **8, 9, 10, 11, 12,** and **13** only)*

(NS45) The holder of this environmental authority shall installed and maintain a stock proof wire fence around the perimeter of the licensed place.

Signage *(Applicable to Site numbers **8, 9, 10, 11, 12, 13** and **14** only)*

(NS46) The holder of this environmental authority must ensure that on or before **1 July 1998** signs are erected at the entrances to the licensed place and in prominent positions on the licensed place, and be maintained in good repair to provide at least, the following information:

(i) details of wastes which can be accepted at the site and wastes which are prohibited;
(ii) advice that when the site is closed, that unauthorised dumping of waste is prohibited and the location of the nearest waste disposal facility;
(iii) advice prohibiting of the lighting of unauthorised fires on the site;
(iv) the location of the tipping face; and
(v) the location of any waste segregated and recycling areas.

Off Site Movement

(G4) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and 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.

(G18) 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.

Site Development and Site Closure Plans *(Applicable to Site numbers **8, 9, 10, 11, 12, 13,** and **14** only)*

(NS47) By **28 February 2000** and at 5 yearly intervals thereafter, the licensee must develop and implement a Site Development Plan for each waste disposal site, to cover each 5-year period for which the waste disposal site is open to receive wastes.

(NS48) The Site Development Plan must include details of at least the following;

(a) any waste minimisation, reuse or recycling strategy to be implemented to reduce the volume of waste to be disposed of at the waste disposal site; and

(b) dimensions of any area of the waste disposal site used for waste disposal and storage over the period covered by this Site Development Plan; and

(c) any appropriate dimensions of each disposal trench to be constructed in the area designated in paragraph (b) of this condition over the period covered by this Site Development Plan

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(d) permeability of soils or other materials to be used in trench construction and capping in order to achieve compliance with this environmental authority

(e) location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this environmental authority; and

(f) location of any areas to be capped, the proposed final surface level and contours, final drainage system and species of vegetation to be planted as part of a rehabilitation program for the waste disposal site over the period covered by this Site Development Plan; and

(g) a Site Closure Plan detailing the measures to be taken before permanent cessation of waste disposal at the site, including at least the following:

(i) final cover system;
(ii) final surface contours (including allowance for land subsidence);
(iii) land use in post closure;
(iv) surface drainage
(v) leachate management.

(NS49) The licensee must commence implementing the Site Closure Plan not later than 14 days after the date on which the waste disposal facility ceases to receive waste.

Post Closure Care Plans *(Applicable to Site numbers **8, 9, 10, 11, 12, 13** and **14** only)*

(NS50) The licensee must develop a Post-Closure Plan for each waste disposal site which extends for at least 20 years after cessation of waste disposal activities.

(NS51) The post-Closure Care Plan must describe the proposed action in relation to:

(a) environmental monitoring to be carried out at the site including types of monitoring, monitoring points, parameters to be monitored, frequency of monitoring; and

(b) assessment of the monitoring results; and

(c) maintenance of the integrity of the site including the final cover system, final surface contours, land use in post closure; and

(d) Surface drainage; and

(d) Leachate management.

(NS52) At least 6 months before the cessation of waste disposal activities at each waste disposal site, the licensee, must submit the Post-Closure Care Plan to the administering authority for review and comment: and due regard must be given to any comment in the conduct of post-closure care.

(NS53) Post-closure care of the waste disposal facility must be conducted until it can be demonstrated to the administering authority that the site is geotechnically stable and will not release contaminants to the environment which result in serious or material environmental harm.

END OF CONDITIONS FOR SCHEDULE E

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SCHEDULE F - LAND

Release of Treated effluent to Land *(Applicable to Site number 1 only)*

(NS) The study required by **Condition NS12** should also investigate the disposal of treated effluent through irrigation. Treated effluent should meet at least the following quality characteristics (as specified in the Schedule E Table 1) prior to irrigation.

SCHEDULE E TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS FOR IRRIGATION WATER

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
pH	6.5-9.0	Range
Faecal Coliforms (Organisms/100 ml)	1000	Maximum

(NS19) The study report required by **Condition NS 12** should consist of appropriately scaled and contoured maps showing;

i Layout of irrigation areas
ii Size of irrigation areas (ha)
iii Access lane ways

(NS20) When weather or soil conditions preclude the release of treated effluent to land, the treated effluent must be disposed of in a manner which does not cause environmental harm.

Release of Treated effluent *(Applicable to Site number 1 only)*

(NS21) A formal contractual agreement is to be entered into between Kingaroy Shire Council and the land owner who accepts treated effluent from the Sewerage Treatment Plant. The agreement should consist of at least the following;

i. Define the roles, responsibilities and obligations of the parties with respect to managing the inflow, storage and disposal of treated sewage effluent..
ii. Specify the operational methods and practices that will be adopted by both parties to effectively manage the transportation, storage and disposal system. Information on the system's design, storage and flow rates and the provisions to manage the system in periods of wet weather is also to be provided.
iii. Define how both parties will comply with the General Environmental Duty under the *Environmental Protection Act 1994*.

By **31 August 1999**, a copy of the agreement is to be forwarded to the Department of Environment, Southwestern Regional Office, Toowoomba.

Monitoring of Contaminant Releases to Land *(Applicable to Site number 1 only)*

(H3) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the treated effluent for the release points, quality characteristics, and at the frequency specified in Schedule F Table 1.

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SCHEDULE F - TABLE 1 MONITORING PARAMETERS FOR TREATED EFFLUENT USED FOR IRRIGATION

PARAMETER	SOURCE	FREQUENCY
Volume of irrigated effluent (ML)	Irrigation pump	weekly
Irrigated area (ha)	-	weekly
pH	sample from irrigation outlet	quarterly
Sodium Adsorption Ratio (SAR)	sample from irrigation outlet	quarterly
Electrical Conductivity (µS/cm)	sample from irrigation outlet	quarterly
Chloride (mg/L)	sample from irrigation outlet	quarterly
Total Nitrogen and its forms (mg/L)	sample from irrigation outlet	quarterly
Total Phosphorus (mg/L)	sample from irrigation outlet	quarterly
Faecal Coliforms. (Organisms/100 ml)	sample from irrigation outlet	quarterly

Note: The above frequency can be revised after initial results of first 12 months have been assessed by the administering authority.

Monitoring of Volume of Release *(Applicable to Site number 1 only)*

(H7) The daily quantity of treated effluent released must be determined by a suitable method.

(H8) Records must be kept of the results of all determinations of the daily quantity of treated effluent released to waters.

Monitoring of soil in the irrigation area *(Applicable to Site number 1 only)*

(NS54) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality characteristics of soil, at the frequency specified in Schedule F Table 2.

SCHEDULE F TABLE 2 Parameters for soil analysis in irrigation areas

PARAMETER	FREQUENCY	SOIL DEPTH
Total Nitrogen or TKN	Annually	0 to 10cm
Exchangeable Sodium percentage (ESP)	"	0 to 10cm
Organic carbon	"	0 to 10cm
Phosphorus	"	0 to 10cm
Electrical Conductivity	Annually	0 to10cm, 20-30cm & 50-60cm (or bottom of root zone)
Nitrate N	"	"
pH	"	"
Chloride	Once every two years	Bulked sample
Calcium	"	"
Magnesium	"	"
Sodium	"	"
Potassium	"	"

Note: The above frequency can be revised after first four years of monitoring data have been assessed by the administering authority.

END OF CONDITIONS FOR SCHEDULE F

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SCHEDULE G - COMMUNITY

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 with the following details:

(a) time, date and nature of complaint;
(b) type of communication (telephone, letter, personal etc.);
(c) 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);
(d) response and investigation undertaken as a result of the complaint;
(e) name of person responsible for investigating complaint; and
(f) action taken as a result of the complaint investigation and signature of responsible person.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H REGULATED WASTE TRANSPORT (Applicable to 'Site number' 16 only)

(H1) (a) The licensed vehicles and the types of wastes permitted to be carried in each licensed vehicle are as listed in Schedule H Table 1.

Schedule H Table 1 Licensed Vehicles and Regulated Wastes

Licensed Vehicle			Types of Regulate Wastes Permitted to be carried
Reg. No.	Make	Type	
793CVQ	MAZDA	T3500 Truck	Infectious substances

(H2) (a) Regulated waste being transported must be compatible with the vehicle, containers, tanks, and other equipment; and, where different regulated wastes are transported in the same load, the different regulated wastes must be compatible with each other.

(b) If the load of a licensed vehicle comprises different materials not all of which are regulated waste, the different materials must be compatible with each other.

(H3) Regulated waste must be transported only to facilities operated by persons licensed under the *Environmental Protection Act 1994* to receive such waste for subsequent handling or disposal.

Attachment of tank to chassis of vehicle

(H4) Where regulated waste is transported by means of a removable tank on a licensed vehicle, the means of fastening the tank to the licensed vehicle must be secure at all times during transit.

Design, Construction and Maintenance of Tank and Associated Equipment

(H5) Where regulated waste is transported by means of a tank or tanker, the tank containing the regulated waste must;

(a) be of a design suitable for the regulated waste being transported; and

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(b) be constructed and mounted so as to prevent spillage or leakage of the regulated waste; and

(c) be provided with roll-over protection to all fittings on the upper surface of the tank to guard against in case the tank becomes inverted; and

(d) be provided with a sampling point which allows for a representative sample of the regulated waste being transported to be obtained, and which is provided with protection to prevent damage; in the case of a tank subdivided into compartments, a separate sampling point must be provided for each compartment; and

(e) maintained in a sound condition at all times.

Design and fitting of Waste Transfer Equipment

(H6) All waste transfer equipment must be
(a) fitted to the licensed vehicle so as not to extend beyond the outer body of the vehicle; and
(b) provided with protection to prevent damage.

Waste Transport Controls

(H9) Al controls fitted to the transport vehicle for the purpose of the transfer of regulated waste must be clearly marked to show their function and operation.

Inspection

(H10) On demand of an authorised person, the driver or other person in charge of a transport vehicle must make the transport vehicle available for inspection, and must produce at that inspection the copies of licences required to be kept in the vehicle.

(H11) At all times during transport of regulated waste, the following must be carried in the cabin of the transport vehicle

(a) a legible copy of this licence; and

(b) if the transport vehicle is a train of vehicles which includes any licensed vehicle covered by another licence - a legible copy of other licence.

Description of Regulated Waste Load

(H12) A description of the regulated waste load must be carried in the cabin of the transport vehicle, in the same form as would be required if the load were dangerous goods.

Records of Regulated Waste

(H13) Permanent records must be kept of the regulated waste collected, and must include the following information;
(a) date of collection of waste
(b) description of waste
(c) origin of waste
(d) destination of waste
(e) method of waste treatment, reprocessing or disposal.

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Maintenance of Ladders etc.

(H15) If applicable ladders and other equipment used to access inspection points on the licensed vehicle must be maintained in a sound condition at all times.

Containment of Regulated Waste in Transit

(H16) All waste transfer points and all hatches fitted to the tank must be kept closed at all times to prevent the spillage or leakage of regulated waste during transit.

Loss of containment - Accident

(H17) (a) When regulated waste is being transported, the following must be available in the transport vehicle in case of any leak, spill or other escape of regulated waste from a licensed vehicle;

(i) written instruction about clean-up; and
(ii) a spill kit; and
(iii) safety equipment.

(b) In the event of any leak, spill or other escape of regulated waste from a licensed vehicle, the material lost must be cleaned up promptly.

Disposal of Waste from Cleaning

(H18) The resultant waste from the cleaning of each licensed vehicle, and of associated equipment such as pumps, hoses and hose trays, must be disposed of at a facility which can fully accept the waste.

End of Conditions for Schedule H

END OF Licence Without Development Approval (Section 93) Part A

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Level 2 Approval (Section 104) Part B

This part of the Environmental Authority remains in force until 30 June 2009.

This part is for the carrying out of a level 2 environmentally relevant activity, under chapter 4, part 3, division 3 of the Environmental Protection Act 1994.

SCHEDULE A - GENERAL CONDITIONS

Access to Copy 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

(NS1) Any record or document required to be kept by a condition of this environmental authority must be kept at the Kingaroy Council Office or at the Works Depot or at the site for a period of at least five years and be available for examination by an authorised person. For daily and weekly records, 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. Where this environmental authority relates to a vehicle or vehicles, the records must be kept at the Kingaroy Shire Council's Office or at the Council's Works Depot.

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.

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

Monitoring and Measurements

(A25) All determinations of the quality of contaminants released to the environment and all measurement and reporting of noise levels that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.

(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.

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Integrated Environmental Management System (IEMS)

(NS2) The holder of this environmental authority must:

(a) develop and implement an Integrated Environmental Management System which provides for the following functions:

(v) the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
(vi) staff training and awareness of environmental issues; and
(vii) the conduct of environmental and energy audits; and
(viii) waste prevention, treatment and disposal; and

(b) By **27 February 1999**, lodge a detailed description of the Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and

(c) have due regard to that comment in the finalisation of the Integrated Environmental Management System.

(d) By **31 August 1999**, have completed the IEMS document and commenced implementation of its requirements.

(A10) A copy of the Integrated Environmental Management System must be kept at the Council Office.

Competency

(A13) The holder of this environmental authority shall ensure that the operation and maintenance of **Petroleum Product Storage, and Municipal water treatment** is carried out by or under the supervision of a person competent to operate and maintain **Petroleum Product Storage, and Municipal water treatment** activities.

Report Submission

(H14) 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

(H16) A record must be maintained of at least the following events:

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

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Notification of Emergencies and Incidents

(H18) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, 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.

(H19) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, the notification of emergencies or incidents as required by condition number **H18** must include but not be limited to the following:

(j) The holder of the environmental authority;
(k) the location of the emergency or incident;
(l) the number of the environmental authority;
(m) the name and telephone number of the designated contact person;
(n) the time of the release;
(o) the time the holder of the environmental authority became aware of the release;
(p) the suspected cause of the release;
(q) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and
(r) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H20) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, 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 **H19** in addition to:

(c) proposed actions to prevent a recurrence of the emergency or incident;
(d) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance, and

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B - AIR

Noxious or Offensive Odour *(Applicable to site number **15** only)*

(NS3) In the event of a complaint made to the administering authority about odour generated on the licensed place that constitutes annoyance and after investigation the administering authority considers that complaint to be neither frivolous or vexatious, the holder of this environmental authority must take measures to mitigate the odour source to minimise noxious or offensive odour being released beyond the boundaries of the licensed place.

Dust Control *(Applicable to site number **7** only)*

(NS4) Any stockpiles of cover material must be managed so as to minimise wind blown dust emissions.

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(NS5) The holder of this environmental authority must ensure that all wastes accepted onto the licensed place are handled, disposed of or stockpiled in such a way as to minimise dust generation.

(NS6) In the event of a complaint being made to the administering authority regarding dust generated on the licensed place that constitutes annoyance, and the administering authority considers the complaint to be neither frivolous or vexatious, the holder of this environmental authority must take measures to mitigate the source of dust generation so as to minimise the release of dust from the licensed place.

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Release of Contaminants to Waters *(Applicable to site number 2 only)*

(NS11) The only contaminant permitted to be released from the licensed place at the release points **W2(A) and W2(B)** marked on **Plan No "B" is waste water from desludging ponds at Water Treatment Plant, Gordonbrook Dam, Kingaroy. The above Plan "B" is to be included in the IEMS.**

(C3) Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the treated effluent and waste water from the sources at the locations listed below:

Release Point W2(A) and W2(B), waste water from desludging ponds at Water Treatment Plant at Gordonbrook Dam, Kingaroy.

Quality Characteristics of Releases to Waters *(Applicable to Site number 2 only)*

(NS13) The release of treated effluent to waters must comply, at the sampling and in situ monitoring point/s specified in Schedule C (H4), with each of the limits specified in **Schedule C Table 1** for each quality characteristic.

SCHEDULE C TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS FOR WASTE WATER (For Site 2)

QUALITY CHARACTERISTICS	RELEASE POINT NUMBER	RELEASE LIMIT	LIMIT TYPE
pH (pH Units)	W2	6.5-9.0	Range
Suspended Particulate Matter (mg/L)	W2	10% increase	Maximum

Monitoring of Contaminant Releases to Water and Land *(Applicable to Site number 2 only)*

(H3) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the treated effluent for the release points, quality characteristics, and at the frequency specified in Schedule C Table 2.

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SCHEDULE C - TABLE 2 MONITORING PARAMETERS FOR TREATED EFFLUENT RELEASED TO WATER

QUALITY CHARACTERISTIC DETERMINATION	RELEASE POINTS	FREQUENCY
pH.	W2(A), W2(B)	Weekly
Electrical Conductivity	W2(A), W2(B)	Weekly
Suspended Particulate Matter	W2(A), W2(B)	Weekly

Note: The above frequency can be revised after initial results of first 12 months have been assessed by the administering authority.

Sampling and Monitoring Point Details *(Applicable to Site number 2 only)*

(H4) Determinations of the quality of treated effluent 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 in situ monitoring points described as:

(Release point W2(A) and W2(B), release pipe from desludging ponds at Water Treatment Plant at Gordonbrook Dam, Kingaroy).

(H5) All determinations of the quality of treated effluent 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.

Ambient Water Quality Monitoring *(Applicable to Site 2 only)*

(NS55) By **27 February 1999,** the licensee shall develop an ambient monitoring program for surface and groundwater to monitor the impacts of the licensed activities on the receiving environment. The required parameters to be tested are given in Schedule C Table 3 for the following monitoring location:

- Stuart River (downstream of the water treatment plant)

SCHEDULE C TABLE 3 Ambient monitoring requirements for surface water (For site 2 only)

PARAMETER	FREQUENCY
pH	Quarterly
Suspended Particulate Matter (mg/L)	Quarterly
Electrical Conductivity (µS/cm)	Quarterly

Note: The above frequency can be revised after initial results of first 24 months have been assessed by the administering authority.

Stormwater Management

(D1) The holder of this environmental authority must:

(a) develop and implement stormwater management plans for each site which provide for the following functions:
- avoidance or minimisation of contaminated stormwater; and
- reuse, treatment and disposal of contaminated stormwater; and

(b) By **31 August 2001,** have completed the stormwater management plans.

(c) By **31 August 2003,** have implemented the stormwater management plans.

(D2) A copy of the Stormwater Management Plan must be kept at the licensed places where practical.

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Bunding *(Applicable to Site 7 only)*

(NS17) All chemicals and petroleum products must be stored in a bunded area in accordance with the following;

- The bund must have a minimum capacity equivalent to 110% of the largest container kept in the bunded area
- All bunding must be constructed of materials which are impervious to the material stored
- All bunding must be roofed where practicable.

(NS18) Contaminated runoff must not be allowed to leave the boundaries of the property.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - NOISE

(NS22) The emission of noise from the licensed activities shall confirm to the contents of the *Environmental Protection (Noise) Policy 1997.*

Noise Monitoring

(H9) For the purposes of checking compliance with condition **NS22** of noise schedule, monitoring and recording of the noise levels from the activities must be undertaken at least for the following descriptions, characteristics and conditions:
(e) $L_{Amax, Adj T}$;
(f) $L_{Abg, T}$ or $L_{A90, T}$;
(g) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(h) Effects due to extraneous factors such as traffic noise.

(H11) 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.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E - WASTE

General

(G1) The holder of this environmental authority must not:
(i) allow waste to burn or be burned at or on the licensed places; nor
(ii) remove waste from the licensed places and burn such waste elsewhere.
(This condition does not apply to the material that is required to be burnt under quarantine regulations and, burning of such materials is to be carried out in a way that does not cause environmental harm).

Off Site Movement

(G4) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and 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.

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(G18) 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 E

SCHEDULE F - LAND

Monitoring of Contaminant Releases to Land *(Applicable to Site number 2 only)*

(H3) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the treated effluent for the release points, quality characteristics, and at the frequency specified in Schedule F Table 1.

SCHEDULE F - TABLE 1 MONITORING PARAMETERS FOR TREATED EFFLUENT USED FOR IRRIGATION

PARAMETER	SOURCE	FREQUENCY
Volume of irrigated effluent (ML)	Irrigation pump	weekly
Irrigated area (ha)	-	weekly
pH	sample from irrigation outlet	quarterly
Sodium Adsorption Ratio (SAR)	sample from irrigation outlet	quarterly
Electrical Conductivity (µS/cm)	sample from irrigation outlet	quarterly
Chloride (mg/L)	sample from irrigation outlet	quarterly
Total Nitrogen and its forms (mg/L)	sample from irrigation outlet	quarterly
Total Phosphorus (mg/L)	sample from irrigation outlet	quarterly
Faecal Coliforms. (Organisms/100 ml)	sample from irrigation outlet	quarterly

Note: The above frequency can be revised after initial results of first 12 months have been assessed by the administering authority.

Monitoring of Volume of Release *(Applicable to Site number 2 only)*

(H7) The daily quantity of treated effluent released must be determined by a suitable method.

(H8) Records must be kept of the results of all determinations of the daily quantity of treated effluent released to waters.

END OF CONDITIONS FOR SCHEDULE F

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SCHEDULE G - COMMUNITY

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 with the following details:

(a) time, date and nature of complaint;
(b) type of communication (telephone, letter, personal etc.);
(c) 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);
(d) response and investigation undertaken as a result of the complaint;
(e) name of person responsible for investigating complaint; and
(f) action taken as a result of the complaint investigation and signature of responsible person.

END OF CONDITIONS FOR SCHEDULE G

END OF Level 2 Approval (Section 104) Part B

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Licence With Development Approval (Section 86) Part C

This part and its conditions must be considered in conjunction with any conditions imposed on development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

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

Schedule A - General Conditions

Schedule A - General Conditions

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE A

END OF Licence With Development Approval (Section 86) Part C

Schedule H - Definitions

Words and phrases used throughout this Integrated Authority 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.

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

(I1) **"Total Nitrogen"** means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen

(I2) **"mg/L"** means milligrams per litre.

(I12) **"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.

(I13) **"maximum"** means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I14) **"minimum"** means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I15) **"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.

Noise Definitions.

(I16) "$L_{Amax\ adj,T}$" 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.

(I17) **"Background noise level"** means either:

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$L_{A90,T}$ 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

$L_{Abg,T}$ 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.

(I18) "**MaxL $_{pA,T}$**" means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

(I19) "**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 public park or gardens.

(I20) "**commercial place**" means a place used as an office or for business or commercial purposes.

Miscellaneous Definitions

(NS56) "**freeboard**" means the vertical distance between the water surface and any overflow point.

(NS57) "**landfill unit**" means a discrete area of land or an excavation that receives solid waste.

(NS58) "**leachate**" means a liquid which has passed through or emerged from a waste material stored, processed, or disposed of at the licensed place.

(NS59) "**public health problem**" means a health related problem resulting from carrying out an environmentally relevant activity at the licensed place, such as disease transmission, the breeding of flies, mosquitoes, rodents etc.

(NS60) "**regulated waste**" has the meaning given in Schedule 10 of the Environmental Protection (Interim) Regulation 1995.

END OF DEFINITIONS FOR SCHEDULE H

Schedule I - Maps / Plans

There are no attachments to this schedule.

END OF CONDITIONS FOR SCHEDULE I

END OF INTEGRATED AUTHORITY

7-1-05.

ecoaccess
environmental licences and permits

Notice of decision - permit[1] application

This notice is issued by the Environmental Protection Agency to advise of a statutory decision on a permit application under environmental and/or conservation legislation.

KINGAROY SHIRE COUNCIL
PO BOX 336
KINGAROY QLD 4610

Our reference: 221867

Dear Sir/Madam

Re: Decision made in relation to your application under environmental legislation administered by the Environmental Protection Agency (EPA).

The EPA has assessed your application received on 04-OCT-2004 and wishes to advise you of the decision in regard to each application as specified below:

Permit applied for	Permit Number	Decision
Development Approval for a MCU involving an ERA under Environmental Protection Act 1994	ENDC00248705J101	Granted - deemed approvals

For each permit applied for that has been granted, the conditions of approval are attached. Where applicable, a Statement of Reasons is provided in relation to the decision. Please note that for each approval, this Notice of Decision and the relevant attachments constitute the permit documentation. Please retain this approval documentation for your records.

Included with this notice is advice on review and appeal processes that may be available to you. Should you seek a review or appeal, the EPA advises that you seek independent advice before taking such action.

If you require more information, please contact Louise Gilshenan, the Project Manager, on the telephone number listed below.

Yours sincerely

Mark EVANS
Environmental Protection Agency
Date 7-1-05

Enquiries:
Wide Bay Burnett District Office (EPA) Marybor
PO Box 101
MARYBOROUGH QLD 4650

Phone:(07) 4121 1800
Fax: (07) 4121 1650

Attachment - **Permit/Statement of Reasons**

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

ecoaccess
environmental licences and permits

Permit[1]

S619 Environmental Protection Act 1994

Development Approval for a MCU involving an ERA

Permit number: ENDC00248705J101

Valid From: 07-JAN-2005

Details

Permit Holder(s)	Name	Address
Principal Holder	KINGAROY SHIRE COUNCIL	GLENDON STREET KINGAROY QLD 4610

Location(s)	Lot and Plan	Activity(s)
Booie Refuse Tip	318 FY2516	ERA 75(a)(i) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t a year (75(a)(i) Waste disposal - general >50t but <2000 t/a1)
Bunya Park Gravel Pit	211 FY2189 Res 674	ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year. (20(b) Extraction >5000 but <100000 t/a1) ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or authority lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year. (22(b) Screening >5000 t but <100000 t/a1)
Bunya Park Refuse Tip	211 FY2189 Res674	ERA 75(a)(i) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t a year (75(a)(i) Waste disposal - general >50t but <2000 t/a1)
Carroll's Gravel Pit	40 RP814983	ERA 20(b) Extracting rock or other material -

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Permit[1]

Permit number: ENDC00248705J101

		extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year. (20(b) Extraction >5000 but <100000 t/a1) ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or authority lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year. (22(b) Screening >5000 t but <100000 t/a1)
Kamholtz Gravel Pit	3 RP179202	ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year. (20(b) Extraction >5000 but <100000 t/a1) ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or authority lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year. (22(b) Screening >5000 t but <100000 t/a1)
Kingaroy Council Depot	13 RP814986	ERA 11(a) Crude oil storing or petroleum product storing - crude oil or petroleum product in tanks or containers having a combined total storage capacity of 10 000 L or more but less than 500 000 L. (11(a) Crude oil storing >10000 but <500000L2)

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Permit[1]

Permit number: ENDC00248705J101

Kingaroy Council Motor Vehicle Workshop	26 SP153807	ERA 28 Motor vehicle workshop - operating a workshop or mobile workshop in the course of which motor vehicle mechanical or panel repairs are carried out in the course of a commercial or municipal enterprise (other than on a farm or under a mining tenement) or on a commercial basis. (28 Motor vehicle workshop1)
Kingaroy Dog Pound	1 RP84673	ERA 43 Animal housing - commercially operating a boarding or breeding kennel, dog pound, greyhound training facility or veterinary clinic in which animals are boarded other than overnight for treatment. (43 Animal housing2)
Kingaroy Nightsoil Depot	2 RP159347	ERA 75(b)(i) Waste disposal - 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 t a year. (75(b)(i) Waste disposal - regulated <50000 t/a1)
Kingaroy Refuse Tip	1 RP167555 1 RP114513	ERA 75(a)(iii) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 5 000 t but not more than 10 000 t a year. (75(a)(iii) Waste disposal - general >2000 but <5000 t/a1)
Kingaroy Sewage Treatment Plant	1 RP84673 22 FY2137	ERA 15(d) Sewage treatment- operating a standard sewerage treatment works having a peak design capacity to treat sewage of 4 000 or more equivalent persons but less than 10 000 equivalent persons. (15(d) Sewage treatment >4000 but <10000 ep1)
Kingaroy Water Treatment Plant	46 FY838992	ERA 16 Municipal water treatment plant - treating water for domestic use (other than treatment that only involves disinfection). (16 Municipal water treatment2)
Kumbia Refuse Tip	216 FY800284 Res660	ERA 75(a)(i) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t a year (75(a)(i) Waste disposal - general >50t but <2000 t/a1)
Malar Refuse Tip	311 FY2509	ERA 75(a)(i) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t a year (75(a)(i) Waste disposal - general >50t but <2000 t/a1)

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Permit[1]

Permit number: ENDC00248705J101

Sullivan's Gravel Pit	2 RP212916	ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year. (20(b) Extraction >5000 but <100000 t/a1) ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or authority lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year. (22(b) Screening >5000 t but <100000 t/a1)
Wooroolin Refuse Tip		ERA 75(a)(i) Waste disposal - operating a facility for -disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 t but not more than 2 000 t a year (75(a)(i) Waste disposal - general >50t but <2000 t/a1)
various sites within Kingaroy Shire		ERA 83(b)(i) Regulated waste transport - transporting regulated waste commercially or in quantities of more than 250 Kg in a load - for other regulated waste for 1 or more, but less than 36, licensed vehicles. (83(b)(i) Regulated waste transport - 1 to 35 vehicles1)

Conditions of Approval

Agency interest: General

G1 This approval is subject to all conditions specified in Environmental Authority CM0247 dated 7 January 2005. Under Section 619 of the Environmental Protection Act 1994, conditions of Environmental Authority CM0247 are now taken to have effect as if they were development conditions of a development approval.

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

Permit[1]

Permit number: ENDC00248705J101

Signed

Mark EVANS
Environmental Protection Agency
Date 9-1-05

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

COPY

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00951509

This registration certificate is issued by the administering authority and takes effect from: 16-MAR-2011.

The anniversary day for the purposes of the Annual Return remains: 8 September.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-
South Burnett Regional Council - Kingaroy
45 Glendon Street
KINGAROY QLD 4610

Development Approval No.	Place	Location	Activities
CM0017	Lot 16 Plan SP104354	Bjelke-Petersen Dam, Haager Drive, MOFFATDALE QLD 4605	ERA 63 Sewage treatment Threshold 2(a) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme
CM0487	Lot 35 Plan SP196036	Lakeside Block, Boondooma Dam Road, OKEDEN QLD 4613 Residences, Office, Workshop, Cabins, Boondooma Dam Road, OKEDEN QLD 4613	
CM0357	Lot 60 Plan BO424	Off Proston Boondooma Road, PROSTON QLD 4613	ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme
CM0357	Lot 234 Plan FY1878	Off Edward Road, WONDAI QLD 4606	

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

Queensland Government

Development Approval No.	Place	Location	Activities
CM0243	Lot 1 Plan SP102660	Bowman Road, BLACKBUTT QLD 4306	ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (ii) otherwise (Note: not to an infiltration trench or through an irrigation scheme)
CM0017	Lot 1 Plan RP103487, Lot 3 Plan RP103487, Lot 5 Plan RP127734	Ferris Road, MURGON QLD 4605	ERA 63 Sewage treatment Threshold 2(c) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 1500 to 4000EP
CM0243	Lot 200 Plan FY2026	Grey Street, NANANGO QLD 4615	
ENDC00248705 J101 (CM0247)	Lot 1 Plan RP84673, Lot 22 Plan FY2137	Hodges Road, KINGAROY QLD 4610	ERA 63 Sewage treatment Threshold 2(d) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 4000 to 10000EP

C. C. Birt

Cathy Birt
Delegate
Department of Environment and Resource Management
Environmental Protection Act 1994

16-MAR-2011

Queensland Government

Department of
Environment and Heritage Protection

Enquiries Dayna Claybourn
Telephone 4121 1615
Your reference
Our reference 101/0008358

29 July 2014

South Burnett Regional Council
PO Box 336
KINGAROY QLD 4610

Attention: Mr Allen Christensen

Dear Mr Christensen

RE: Amendment of Environmental Authority EPPR02378514 previously SPCE05950113

I refer to your email correspondence dated 16 June 2014 requesting minor amendments be made to the environmental authority SPCE05950113 for the new Kingaroy Sewage Treatment Plant.

The Department of Environment and Heritage Protection (EHP) has considered your request and has agreed to amend the environmental authority to correct the monitoring frequency for dissolved oxygen and electrical conductivity at monitoring point M3 from daily to weekly. EHP and South Burnett Regional Council (SBRC) previously agreed on weekly monitoring, however the environmental authority issued to SBRC indicated a daily monitoring requirement.

EHP wishes to advise that a decision has been made under s211 of the *Environmental Protection Act 1994* to amend the above environmental authority to correct the monitoring frequencies accordingly.

Please note that environmental authority SPCE05950113 has been renumbered to EPPR02378514 and is enclosed. In future, please quote environmental authority EPPR02378514 when making reference to the new Kingaroy STP approval.

Should you have any further enquiries, please contact Dayna Claybourn, A/Principal Environmental Officer of the department on telephone 4121 1615.

Yours sincerely

Tim Brain
Manager (Southern Region, East)
Environmental Services and Regulation
Department of Environment and Heritage Protection

Department of Environment and Heritage Protection
102 Lennox Street, PO Box 145, Maryborough, QLD 4650
Telephone: (07) 4121 1889
Website www.ehp.qld.gov.au
ABN 46 640 294 485

Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR02378514

Environmental authority takes effect on **completion of the commissioning** of the Kingaroy Waste Water Treatment Plant and you have given written notification to the administering authority of the occurrence.

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently $26,049.00 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
South Burnett Regional Council	41 Glendon Street KINGAROY QLD 4610

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1e) Sewage treatment >10000 to 50000EP	Hodges Road Kingaroy QLD 4610 - Lot 1 Plan RP84673 and Lot 22 FY2137

Additional information for applicants

Environmentally relevant activities

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

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

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

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

Obligations under the *Environmental Protection Act 1994*

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

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

T. B

Signature

30 July 2014

Date

Tim Brain
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Dayna Claybourn
ES-RSD-SER-Wide Bay Burnett
PO Box 145
MARYBOROUGH QLD 4650
Phone: (07) 41211889
Fax: (07) 41211650
Email: dayna.claybourn@ehp.qld.gov.au

Conditions of environmental authority

CONDITIONS	
GENERAL	
G1	**Activities** conducted under this environmental authority must not be conducted contrary to any of the following limitations: 1. Inflows less than or equal to the **peak design capacity** of 100 L/s must receive full biological treatment and must comply with the release limits stated in *Table 4 – Surface Water Release Limits.* 2. Inflows above the **peak design capacity** of 100 L/s may be **bypassed**. During bypass events, inflows to the biological treatment process must not exceed the **peak design capacity** of 100 L/s plus 25% or 125 L/s and must comply with the release limits stated in *Table 4 – Surface Water Release Limits.*
G2	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority, must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G5	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.
G6	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G7	A receiving environment monitoring program must be designed and implemented by **appropriately qualified persons** to monitor the effects of the **activity** on **waters** and land subject to treated effluent irrigation. The implementation of the receiving environment monitoring program must commence on the day the environmental authority takes effect.
G8	The receiving environment monitoring program required by condition G7, must include at least the following: a) a description of potentially affected receiving **waters** including key communities and background water and sediment quality characteristics based on accurate and reliable monitoring data that takes into consideration any temporal variation (e.g. seasonality); and b) a description of applicable **environmental values** and sediment and water quality objectives to be achieved; and c) any relevant reports prepared by other governmental or professional research organisations that relate to the receiving environment within which the Receiving Environment Monitoring Program is proposed; and

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d) water and sediment quality targets within the receiving environment to be achieved, and clarification of contaminant concentrations or levels indicating adverse environmental impacts during the monitoring program; and

e) the monitoring program should be developed using the **administering authority's** *Receiving Environment Monitoring Program Guideline (EM1260)* 2014 or later version; and

f) monitoring of surface **waters** must include, but not be limited to, the quality characteristics for the frequency specified at the monitoring points in accordance with *Table 1 – Environmental Monitoring Requirements* and *Table 2 – Environmental Monitoring Point Locations* and the associated requirements;

Table 1— Environmental Monitoring Requirements[1]

Monitoring Point Names	**Quality characteristic (units)**[2]	**Minimum frequency**[3]
EM1, EM2, EM3	pH (pH units)	2 monthly
EM1, EM2, EM3	Temperature	2 monthly
EM1, EM2, EM3	**Total Nitrogen** (mg/L as N)	2 monthly
EM1, EM2, EM3	Ammonia (mg/L as N)	2 monthly
EM1, EM2, EM3	Nitrates (mg/L)	2 monthly
EM1, EM2, EM3	**Total Phosphorus** (mg/L as P)	2 monthly
EM1, EM2, EM3	Filterable reactive Phosphorus (mg/L)	2 monthly
EM1, EM2, EM3	Dissolved Oxygen (mg/L)	2 monthly
EM1, EM2, EM3	Electrical Conductivity (µS/cm)	2 monthly

Associated requirements

1. Where gauging heights are not maintained or are removed, alternative methods of estimating flow should be adopted.
2. Indicators for all parameters shall be assessed from individual grab samples.
3. Sampling must be in accordance with the Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.

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Table 2— Environmental Monitoring Point Locations

Monitoring Point Names	Description	Monitoring location GDA94 Decimal degrees	
		Latitude	*Longitude*
EM1	Kingaroy Creek upstream of Hodges Road	26°33'20.2500"	151°49'03.6305"
EM2	Stuart River downstream of the sewage treatment plant discharge, immediately upstream of Weens Bridge	26°30'45.9060"	151°46'29.7540"
EM3	Stuart River upstream of the sewage treatment plant discharge, Burrandowan Road – Stuart River Rest Area	26°35'08.9221"	151°47'26.8263"

g) soil assessments must be conducted to ensure that the capacity of the land to assimilate nitrogen, phosphorus and salts is not exceeded. The soil assessments must include, but not be limited to:
   - soil and sub-soil analysis, including assessment of the soils from representative locations, including type, structure, pH, phosphorus adsorption level and capacity, nutrient status, salinity and sodicity, and cation exchange capacity of the irrigation release areas; and
   - determination of the quantity and quality of contaminants applied to the soils from the treated effluent irrigation; and
   - periodic re-assessment including modelling of the water, nutrient and salt balances and irrigation rate and return period to ensure sustainable use of the irrigation area; and
   - reporting of monitoring results and an assessment of the impact of the releases on the irrigation areas;

h) monitoring of land subject to treated effluent irrigation must include, but not be limited to, the requirements in *Table 3 – Soil Impact Monitoring* and the associated requirements.

Table 3 - Soil Impact Monitoring[1]

Parameter	Frequency
Total Nitrogen	Annually
Total Phosphorus	Annually
Electrical Conductivity	Annually
pH	Annually
Exchangeable Sodium Percentage	Annually

Associated requirements

1. Monitoring shall include the taking of top soil and sub-soil samples from at least one sample location within each irrigation area (that is representative of the soil type within that area).

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G9	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses. The only exception to this condition is for *in situ* monitoring of: a) pH b) temperature c) turbidity d) free chlorine residual e) dissolved oxygen f) electrical conductivity.
G10	An annual monitoring report must be prepared and submitted to the **administering authority** by 30 November each year, for the preceding financial year.
G11	**You** must record the following details for all environmental **complaints** received: a) date and time complaint was received b) name and contact details of the complainant c) nature of the complaint d) investigations undertaken e) conclusions formed f) actions taken.
G12	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a **complaint** not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G13	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency 2. establish and maintain control **measures** that minimise the potential for environmental harm 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition 4. ensure plant, equipment and **measures** are operated in a proper and effective manner 5. ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994* 6. ensure that reviews of environmental performance are undertaken at least annually.
AIR	
A1	Odours or airborne contaminants must not cause environmental nuisance at a **sensitive place**.
WATER	
WT1	The only contaminants to be released to surface **waters**, excluding **bypass** releases covered by water conditions WT4 and WT5, are from the sewage treatment plant to **waters** described as Kingaroy Creek at release point M3 in accordance with *Table 4—Surface water release limits* and the associated requirements, *Table 5 – Monitoring and release point locations* and Map 1.

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Table 4—Surface water release limits[8]

Release Point Name	Quality characteristic (units)	Minimum[8]	Long-term Median[8]	Long-term 80th percentile[8]	Maximum[8]
M1	**BOD5** (mg/L)[1]	-	-	20	30
M1	Total Suspended Solids (mg/L)	-	-	20	30
M1	**Total Nitrogen** (mg/L as N)[2,3]	-	10	20	30
M1	Ammonia (mg/L as N)	-	1	3	5
M1	**Total Phosphorus** (mg/L as P)[2]	-	3	6	9
M1	pH (pH units)	6.5	-	-	8.5
M2	Annual volume (dry weather) (ML)[4]	-	-	-	1095
M2	Faecal Coliforms (CFU/100mL)[6]	-	1000	4000	-
M2	Enterococci[5] (primary/secondary)	-	-	-	-
M3	Free Chlorine Residual (mg/L)[7]	-	-	0.5	-
M3	Dissolved Oxygen (mg/L)	2	-	-	-
M3	Electrical Conductivity (µS/cm)	-	-	-	-

Associated requirements

1. **COD** may be monitored as an alternative to **BOD5** once a reliable correlation has been determined through analysis of a minimum number of 24 wastewater samples over a minimum period of 12 months and with the agreement of the **administering authority.**
2. Indicators for TN and TP must be done as 24 hour flow weighted composite samples.
3. NOx and Filterable Reactive Phosphorus (FRP) should also be measured whenever TN is monitored.
4. **Annual Volume** must be calculated on a rolling weekly basis and using the formula detailed in the definitions.
5. Enterococci counts are the recommended pathogen indicator for assessing potential risks to recreational water. Limits should be set based on the level of recreational use of receiving **waters** – either primary or secondary recreation. E.coli counts may be more relevant for small plants where recreational use in receiving waters is unlikely.
6. To be assessed using five individual grab samples taken not less than 30 minutes apart. Four out of five samples taken on the day shall have a Faecal Coliform count less than 4000 CFU/100mL. The median of the samples taken on the day shall have a Faecal Coliform count less than 1000 CFU/100mL. Samples for Faecal Coliforms and Enterococci are to be taken in duplicates and analysed concurrently. Enterococci limits are to be determined through analysis of waste water samples over a period of 24 months and with the agreement of the administering authority in replacement of Faecal Coliforms.
7. Limits for free chlorine residual concentrations are set considering potential toxicity to the receiving environment, mixing zones and practical methods for treatment and measurement.
8. Sampling must be in accordance with the Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.

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Table 5 – Monitoring and release point locations

Release Point Names	Description	Monitoring location GDA94 Decimal degrees	
		Latitude	*Longitude*
M1	Between outlet of the secondary clarifiers and chlorination plant	26°33'07.4620"	151°49'07.2290"
M2	Outlet of the chlorination chamber	26°33'09.8988"	151°48'42.1864"
M3	Outlet of the Final Pond	26°33'11.2473"	151°48'38.3470"
M4	Inlet to the irrigation lagoons	26°33'09.7808"	151°49'06.1950"
M5	Class A Recycled Effluent	26°33'04.4170"	151°49'07.1302"

WT2 Monitoring of contaminant releases to waters excluding bypass releases covered by water condition WT5 must be undertaken in accordance with *Table 6—Monitoring frequency* and the associated monitoring requirements and records of the results must be kept.

Table 6—Monitoring frequency

Quality Indicator (units)[1]	Measurement (units)[6]	Minimum frequency[1,2]	Monitoring location[3]
BOD5 (mg/L)	(mg/L)	Weekly	M1
Total Suspended Solids	(mg/L)	Weekly	M1
Volume (inflow[4])	(ML)	Daily	M1
Volume (outflow[5])	(ML)	Daily	M2
Ammonia	(mg/L as N)	Weekly	M1
NOx[6]	(mg/L as N)	Weekly	M1
FRP[6]	(mg/L as P)	Weekly	M1
Total Nitrogen	(mg/L as N)	Weekly	M1
Total Phosphorus	(mg/L as P)	Weekly	M1
pH	N/A	Weekly	M1
Faecal Coliforms	(CFU/100mL)	Monthly[8]	M2
Enterococci[7]	(CFU/100mL)	Monthly[8]	M2
Free Chlorine Residual	(mg/L)	Weekly	M3
Dissolved Oxygen	(mg/L)	Weekly	M3
Electrical Conductivity	(µS/cm)	Weekly	M3

Associated monitoring requirements

1. Monitoring must be in accordance with the Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.
2. Monitoring must be undertaken when the **activity** is in operation and samples must be taken during a release.
3. Release points/areas must be in accordance with Map 1.
4. Total inflow before bypass release point.
5. Total outflow is treated discharges and excludes those flows that are **bypassed**.
6. NOx and Filterable Reactive Phosphorus (FRP) should also be measured whenever TN is monitored.
7. Enterococci counts are the recommended pathogen indicator for assessing potential risks to recreational water. Monitoring should be set based on the level of recreational uses of receiving **waters** – either primary or secondary recreation. E.coli counts may be more relevant for small plants where recreation is unlikely.
8. To be assessed weekly using 5 individual grab samples collected not less than 30 minutes apart. Samples for E coli (Faecal Coliforms) and Enterococci are to be taken in duplicates and analysed concurrently. Enterococci limits are to be determined through analysis of wastewater samples over a period of 24 months and with the agreement of the administering authority.

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WT3	In addition to WT1, the release to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter, excluding **bypass** releases covered by water conditions WT4 and WT5.
WT4	**Bypass** releases must be screened prior to being released from release point BP1, in accordance with *Table 7 – Bypass release point description* and Map 2.

Table 7—Bypass release point description

Monitoring and Release Point Names	Description	Monitoring location GDA94 Decimal degrees	
		Latitude	***Longitude***
BP1	Bypass Discharge Point	26°33'06.7775"	151°49'11.7081"

WT5	The **administering authority** must be notified within 24 hours of any **bypass** release ceasing.
WT6	The following details must be recorded in relation to each **bypass** release: (a) the start time, date and duration of the release; (b) the estimated volume of the **bypass** release; (c) the level of treatment at the sewage treatment plant prior to discharge; (d) the cause of the release; and (e) any monitoring of the water quality released.
Contaminant and Release Reduction	
WT7	At least every two years treated water reuse measures to further reduce the release of contaminants to waters must be investigated. The investigations must include, but not be limited to: (a) implementation of cost effective re-use options; and (b) reporting to the administering authority of the outcomes of the investigations, additional or alternative treatment employed as a result and the current level of re-use, including justification where re-use options are not adopted.

LAND

L1 The only contaminants to be released to land are treated effluent in accordance with *Table 8 – Treated effluent release limits to irrigation area* and the associated requirements.

Table 8 - Treated effluent release limits to irrigation area[1]

Release Point Name [2,3,4]	Quality Characteristic (units)[2]	Minimum[2]	Median[2]	95th percentile	Maximum[2]	Minimum frequency [2,4]
M4	Volume (kL)[5]	-	-	-	-	Weekly
M4	E coli (CFU/100mL)[6]	-	-	1000	-	Weekly
M4	Electrical Conductivity (µS/cm)	-	-	-	-	Weekly
M4	Sodium Adsorption Ratio	-	-	-	-	Quarterly

Associated requirements

1. **Total irrigation area** 16.3 (ha) as outlined in attached plan in Map 3.
2. Monitoring must be in accordance with the **administering authority**'s Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.
3. Releases of treated effluent must not be outside of the irrigation areas indicated on Map 3.
4. Monitoring must be undertaken when treated sewage effluent is being irrigated, unless irrigation has ceased for longer than the relevant parameters specified minimum frequency (e.g. if E coli was only required to be monitored once a week, then an E coli sample would not be required after the first week following cessation of the release).
5. Calculated as the volume of treated effluent released to the irrigation areas indicated on Map3.
6. Enterococci counts are the recommended pathogen indicator for assessing potential risks to recreational water, E. coli counts may be more relevant for land irrigation where recreation is unlikely.

L2 Treated effluent released to land must be done in accordance with documentation that ensures:

a) drainage to groundwater and subsurface flows of contaminants to surface waters are minimised
b) surface pondage and run-off of effluent is prevented
c) degradation of soil structure is minimised
d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised
e) spray drift or overspray does not carry beyond effluent disposal areas
f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake
g) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors
h) ongoing sustainability of the irrigation area for the **activity**.

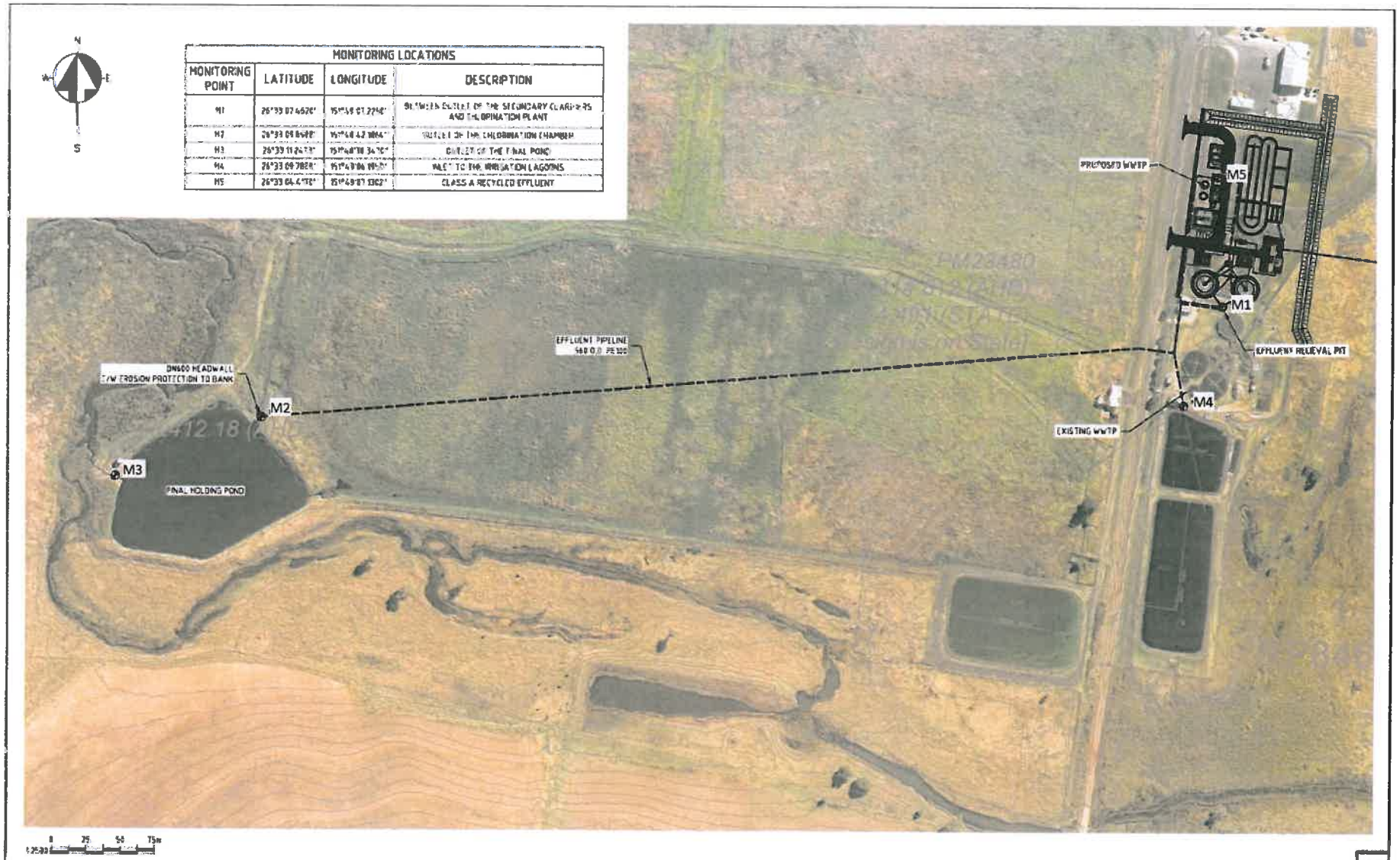
L3 When weather conditions or soil conditions preclude the release of treated sewage effluent to land, effluent must not be irrigated to land.

Third Party Provisions

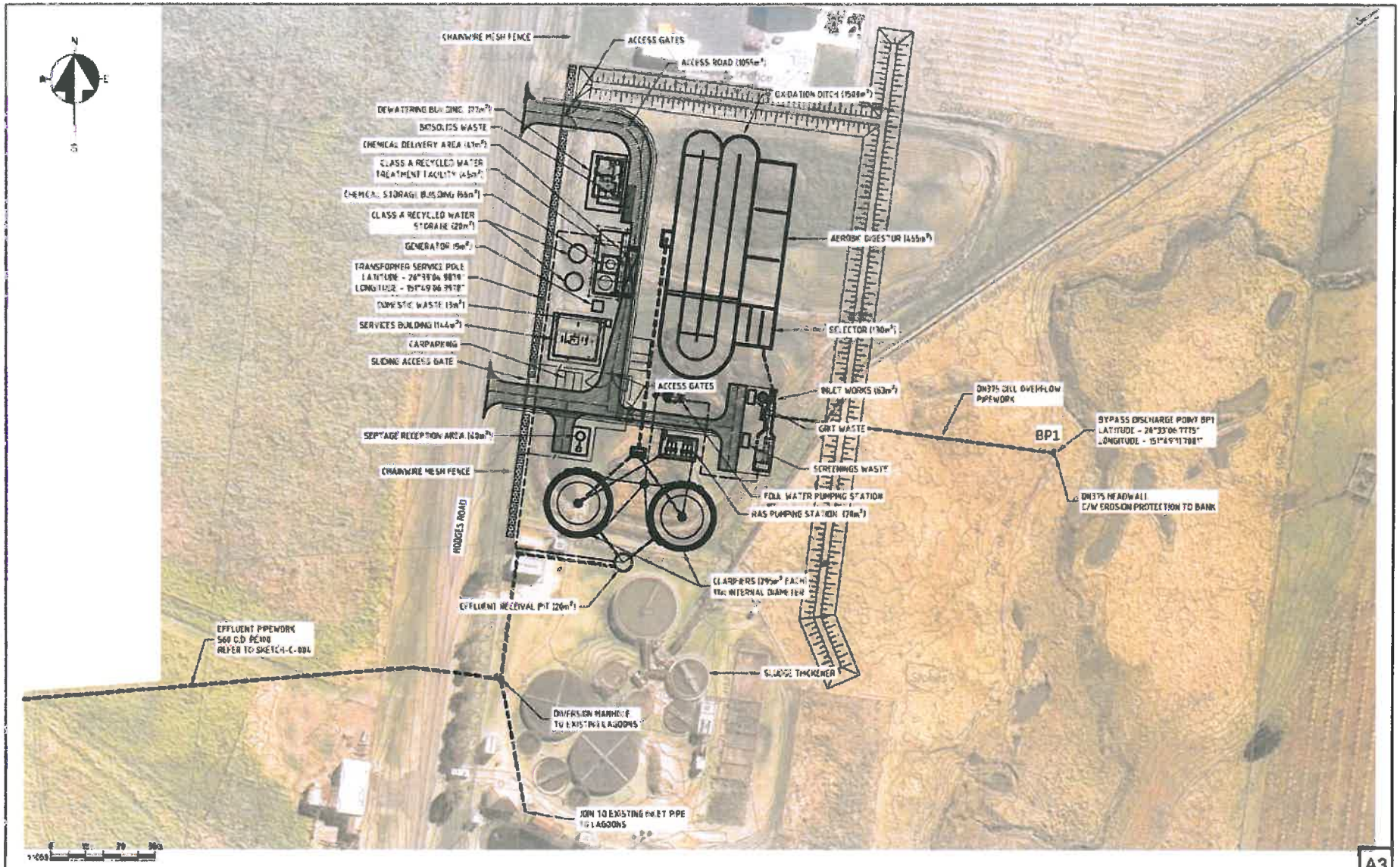
TP1 Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.

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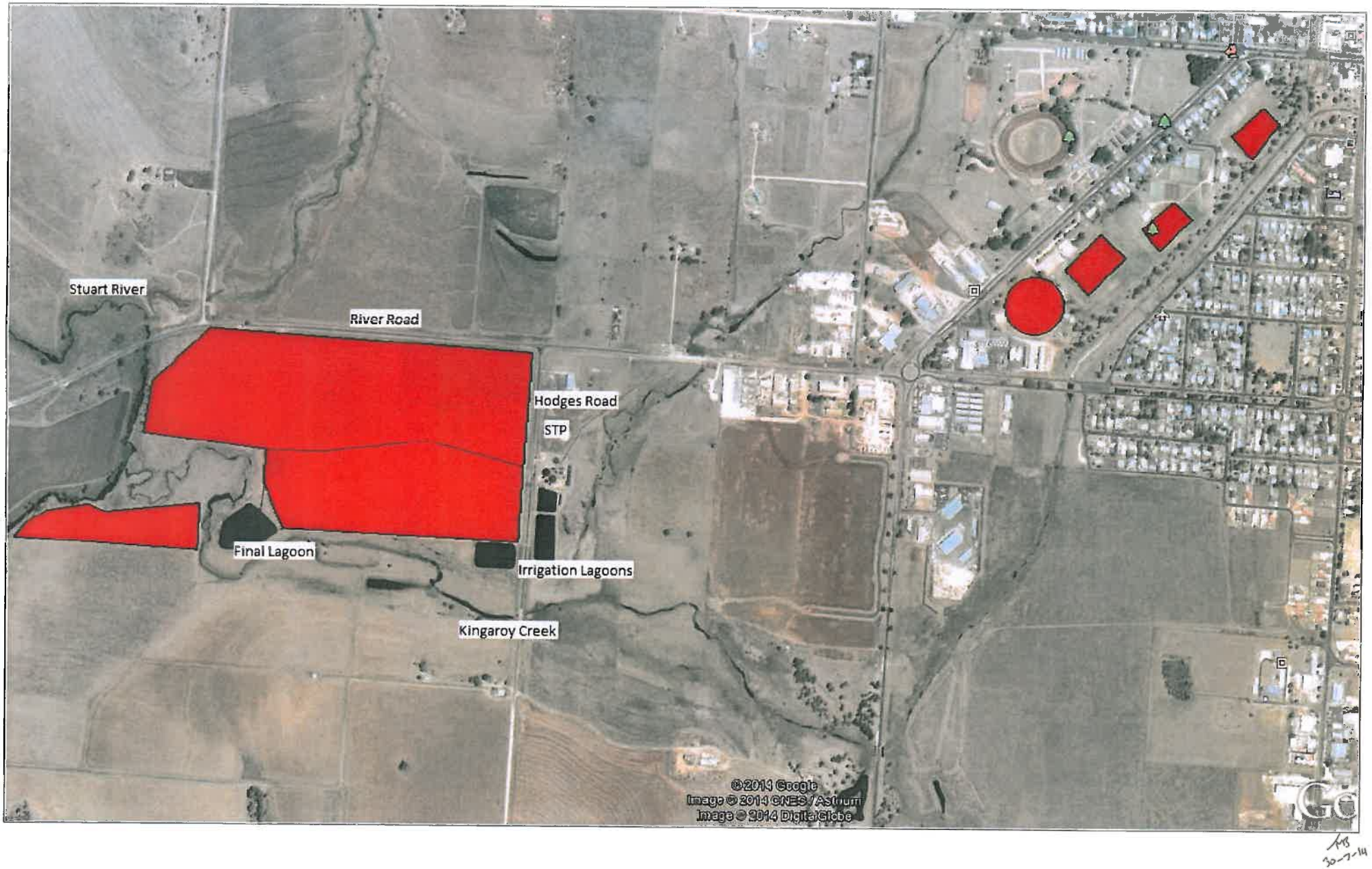
Map 1 – Monitoring and Release Points, M1 – M5



Map 2 – Bypass Release Point, BP1



Map 3 – Irrigation Areas (red shading)



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Definitions

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

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

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

Annual volume means Annual Volume (dry weather) (ML) = Yearly sum of Daily Release Volume (ML) for all **dry weather days** / the number of **dry weather days** x 365.

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

Bypass means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.

BOD5 means the 5 day biochemical oxygen demand determined using standard nitrification inhibited APHA methods (e.g. those used by **NATA** laboratories). This would be referred to as "carbonaceous" BOD.

COD means chemical oxygen demand determined using standard tests (e.g. those used by **NATA** laboratories).

Completion of the commissioning means the day that the works are complete and free of all defects and the plant satisfies all the requirements of the *Table 4 – Surface water release limits* and a certificate of commissioning completion has been issued by the Superintendent pursuant to the contract for construction.

Day means any 24 hour period.

Design Average Dry Weather Flow (DADWF) means the average dry weather flow of the treatment plant at the design horizon.

Dry weather day means a day which less than 1.0 mm of rainfall is recorded at any rainfall measuring station recognised by the Commonwealth Bureau of Meteorology within the sewered area connected to the sewage treatment plant, or if no such measuring station exists, at the nearest such station to the sewage treatment plant. The term also excludes days during which recorded rainfall over the 45 preceding days exceeds a cumulative rainfall of 35 mm.

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

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Long Term (limit) means:

- for a parameter monitored monthly, a limit applied to 12 consecutive samples taken over a one year or 12 monthly period (on a rolling basis for limit calculations) where consecutive samples are taken on a monthly basis of approximately equal periods (plus or minus 2 days of 30 days).
- for a parameter monitored weekly, a limit applied to 52 consecutive samples taken over a one year or 52 week period (on a rolling basis for limit calculations) where consecutive samples are taken on a weekly basis of approximately equal periods (plus or minus 2 days of 7 days).
- for a parameter monitored daily, a limit applied to 365 consecutive samples taken over a one year or 365 day period (on a rolling basis for limit calculations) where consecutive samples are taken on a daily basis.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

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.

NATA means National Association of Testing Authorities.

Peak design capacity means three times the Design Average Dry Weather Flow (DADWF) of 30.4 L/s plus septage flow of 8 L/s (equal to 100 L/s) at any time.

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Prescribed contaminants means contaminants listed within Schedule 9 of the *Environmental Protection Regulation 2008*.

Release of a contaminant into the environment means to:

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

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

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

Short-term (limit) means:

- for a parameter monitored monthly, a limit is applied to five consecutive samples (on a rolling basis for limit calculations) where consecutive samples are taken on a monthly basis of approximately equal periods (plus or minus 2 days of 30 days).
- for a parameter monitored weekly, a limit is applied to five consecutive samples (on a rolling basis for limit calculations) where consecutive samples are taken on a weekly basis of approximately equal periods (plus or minus 2 days of 7 days).
- for a parameter monitored daily, a limit is applied to five consecutive samples (on a rolling basis for limit calculations) where consecutive samples are taken on a daily basis.

Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

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

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

WaTERS is the Water Tracking and Electronic Reporting System database formally known as the Point Source Database.

Wet Weather Day means a day which is not a dry weather day.

You means the holder of the environmental authority.

80th percentile means not more than one fifth, of the measured values are to exceed the stated release limit for the limit period, for example, no more than ten (10) for any fifty (50) consecutive samples for the long term period.

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END OF PERMIT