

COPY

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00943609

This registration certificate is issued by the administering authority and takes effect from: 27-MAY-2011.

The anniversary day for the purposes of the Annual Return remains: 9 December.

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

Registered Operator:-

Mr Robert Prettejohn
Stanton Road
SMITHFIELD QLD 4878

Place:-

Lot 59 Plan SR217

Located at:-

Captain Cook Highway, OAK BEACH QLD 4877

Registered Activity: -

ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

C.C. Birt

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

27-MAY-2011

500719

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CNS1205

✓ CARMS

Our reference: 500 719

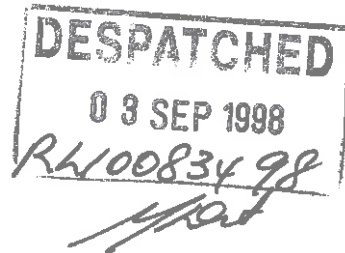
Environmental Protection Act 1994

LICENCE NO. 5010000082 (Amended)

Section 45(1)

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

To: Robert Prettejohn
Address: C/- Environment Science & Services
2B, 242 Sheridan St
CAIRNS QLD 4870



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

White Cliffs Motel
Lot 59, SR217
Parish of Solander, County of Mowbray
located at:
Captain Cook Highway
OAK BEACH QLD 4878

- ERA 15(b) Sewage treatment - 100 equivalent persons or more but <1,500

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

This amended licence takes effect from 07 October 1998.

signed


.....
Ron Anderson
Regional Manager (Environment), FNR
Delegate of Administering Authority
Environmental Protection Act

date

01 September 1998

Our reference: 500 719

Environmental Protection Act 1994

Environmental Authority No. 5010000082 (Amended)

Section 45(1)

C O P Y

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

To: Robert Prettejohn
Address: C/- Environment Science & Services
2B, 242 Sheridan St
CAIRNS QLD 4870

Hand delivered by J Eddington

25 Nov 96

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

White Cliffs Motel
Lot 59, SR217
Parish of Solander, County of Mowbray
located at:
Captain Cook Highway
OAK BEACH QLD 4878

– ERA 14(b) Sewage treatment - 100 equivalent persons or more but <1,500

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

This amended licence takes effect from 9 December 1996.

signed

.....
Ron Anderson
Acting Regional Manager (Environment), FNR
Delegate of Administering Authority
Environmental Protection Act

date

22 NOV 1996

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 J - SITE PLAN

Section 45(1)

SCHEDULE A - GENERAL CONDITIONS

Release of Contaminants Not Otherwise Provided For

- (A1) In carrying out the environmentally relevant activity, the holder of this environmental authority must take all reasonable and practical measures to minimise releases and the likelihood of releases of contaminants to the environment, except as otherwise provided by the conditions of this environmental authority.
- (A2) The holder of this environmental authority must:
- (a) install and operate all works and control equipment; and
 - (b) take all measures, perform all acts and do all things, necessary to ensure compliance with the conditions of this environmental authority.

Display of Environmental Authority

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

Records

- (A4) Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
- (A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.

Alterations

- (A6) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

Calibration

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

Competency

- (A8) The holder of the environmental authority shall ensure that the operation and maintenance of the sewage treatment plant is carried out by or under the supervision of a person competent to operate and maintain the sewage treatment plant.

END OF CONDITIONS FOR SCHEDULE A

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SCHEDULE B - AIR

(B1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Pump Stations

(C2) An automatic telemetry system must be provided which is capable of continuing to operate in the event of a pump station power failure and which will advise the responsible person by telephone or other acceptable means that such a power failure has occurred.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - STORMWATER MANAGEMENT

Pond Conditions

- (D1) Any pond used for the storage or treatment of effluent from the sewage treatment plant must be installed and maintained to:
- (a) prevent any discharge through the bed or banks of the pond from causing environmental harm in any waters (including groundwaters); and
 - (b) ensure that a freeboard of not less than 0.4 metres is maintained at all times; and
 - (c) ensure the stability of the ponds construction; and
 - (d) ensure that the pond(s) maintain aerobic conditions.
- (D2) Ponds or other structures used for the storage or treatment of effluent from the sewage treatment plant, including any associated pumps and control equipment, must not be located in any area below the one in ten (10) year flood level.
- (D3) Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of effluent from the sewage treatment plant.

END OF CONDITIONS FOR SCHEDULE D

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SCHEDULE E - LAND APPLICATION

Release of Contaminants to Land

- (E1) The defined contaminant release area is described as irrigation area marked on the site plan in schedule J .
- (E2) A minimum of 6.2 hectares of land must be provided for the contaminant release area.
- (E3) The contaminant release area must not be used for grazing, recreational activities or as a thoroughfare.
- (E4) The only contaminant that may be released on the defined contaminant release area is treated effluent from the sewage treatment plant which may only be disposed of by spray irrigation.

Quantity of Contaminants Released to Land

- (E5) The rate of application of contaminants to the release area must not exceed three (3) mm per day.

Control of Effluent Disposal to Land

- (E6) The irrigation with effluent of the defined contaminant release area must be carried out in such a manner that:
 - (a) vegetation is not damaged;
 - (b) soil erosion and soil structure damage is minimised;
 - (c) there is no surface ponding of effluent;
 - (d) the effluent is evenly distributed on the irrigation area;
 - (e) runoff of effluent is minimised;
 - (f) there is no spray drift or overspray outside the defined contaminant release area approved under this Schedule; and
 - (g) the infiltration of effluent beyond the plant root zone is minimised.
- (E7) Notices must be prominently displayed on the defined contaminant release area warning the public that the area is irrigated with treated wastewaters and not to use or drink the wastewater. These notices must be maintained in a visible and legible condition.
- (E8) The irrigation area must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released contaminants.

Quality of Contaminants Released to Land

- (E9) The contaminants released must comply, at the sampling and in-situ measurement points specified in Schedule H, with each of the release limits specified in schedule E Table 1 for each quality characteristic.

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SCHEDULE E - TABLE 1

Release Quality Characteristic Limits

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (mg/l)	20	Maximum
Suspended Solids (mg/l)	30	Maximum
pH (pH Units)	6.0 - 8.5	Range
Dissolved Oxygen (mg/l)	2	Minimum
Free Chlorine (30 Min Detention) (mg/l)	0.3 - 0.7	Range

Wet Weather Storage

- (E10) When weather conditions or soil conditions preclude the release of treated sewage effluent, the effluent must be directed to a wet weather storage.
- (E11) The wet weather storage must be designed to hold a volume equivalent to three (3) days storage.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - NOISE

- (F1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes environmental nuisance.

END OF CONDITIONS OF SCHEDULE F

SCHEDULE G - WASTE MANAGEMENT

Off Site Movement

- (G1) The removal of sludges from the sewage treatment plant must be carried out in a manner that minimises the risk of spillage of sludge or any other release of contaminants to the environment.
- (G2) Sludges from the sewage treatment plant may only be disposed of at a premises licensed under the Environmental Protection Act to receive such wastes.
- (G3) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following:
- (a) the date, quantity and type of waste removed; and
 - (b) name of the waste transporter and/or disposal operator that removed the waste; and
 - (c) the intended treatment/disposal destination of the waste.

END OF CONDITIONS FOR SCHEDULE G

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SCHEDULE H - MONITORING AND REPORTING

Complaint Recording

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

- (H2) The daily quantity of contaminants released must be determined by a flow meter which is continually recorded.
- (H3) 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.

Notification of Emergencies and Incidents

- (H4) 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.

Irrigation Area Monitoring Program

- (H5) The holder of this environmental authority must carry out a soil monitoring program of the effluent irrigation area which must include at least the following:
- (a) samples of soil from the land used for irrigation of wastes shall be taken during the month of June at three (3) yearly intervals commencing in June 1997;
 - (b) the samples shall be analysed for the following parameters:
 - (i) pH;
 - (ii) electrical conductivity;
 - (iii) total nitrogen; and
 - (iv) total phosphorus.
 - (c) the soil samples must be taken from not less than ten sampling locations evenly distributed over the effluent irrigation area;

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- (d) at each soil sampling location samples must be taken at soil profile depths of 100 mm, 300 mm and 600 mm with the samples being collected from within 50 mm either side of the specified depths;
- (e) the samples may be composited for each soil profile depth from the ten sampling locations, provided that there are no differences in soil types or cropping and pasture practices on the effluent irrigation area, to produce one sample for analysis; and
- (f) the results of this soil monitoring program must be presented in the form of a report by a competent person (eg an agronomist) and must also include an assessment of the soil structure of the effluent irrigation area and an assessment of the suitability of the area for continued effluent irrigation.

END OF CONDITIONS FOR SCHEDULE H

SCHEDULE I - DEFINITIONS

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

- (I1) "Total Nitrogen" means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen
- (I2) "mg/l" means milligrams per litre.
- (I3) "dry weather flow" refers to a day during which no rain falls within the catchment of the sewage treatment plant for the commencement of measurement for that day. The term also excludes days during which measurement is made which occur within three (3) days following cumulative rainfall of 100 mm over the three (3) preceding days.
- (I4) "80th percentile" means that the measured values of the quality characteristic must not be greater than the release limit for any more than one out of five consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.
- (I5) "50th percentile" means that the measured values of the quality characteristic must not be greater than the release limit for any more than three out of six consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.
- (I6) "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.
- (I7) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
- (I8) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
- (I9) "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.

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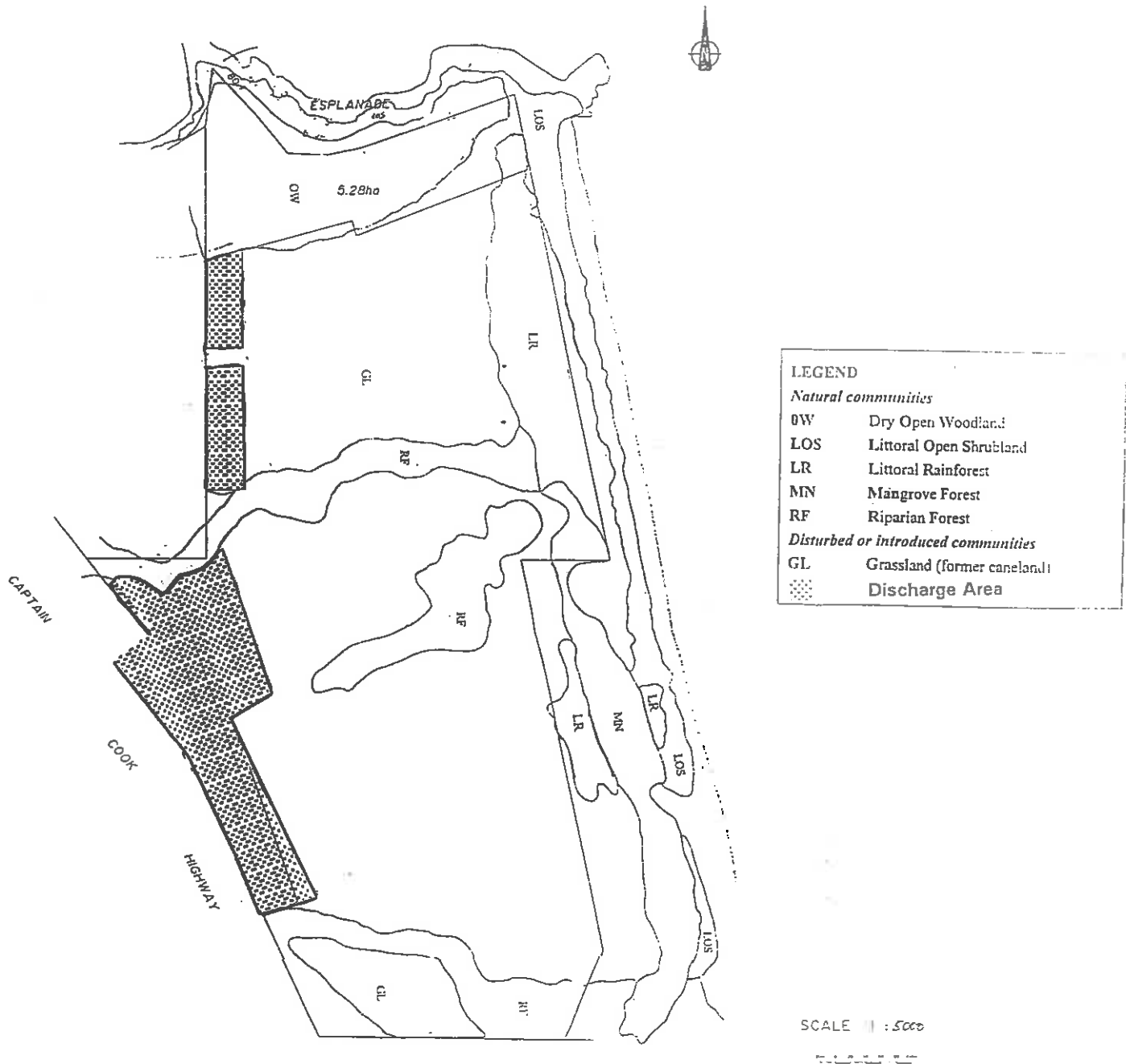
- (I10) "noise sensitive place" means:
- (a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - (b) a motel, hotel or hostel; or
 - (c) a kindergarten, school, university or other educational institution; or
 - (d) a medical centre or hospital; or
 - (e) a protected area; or
 - (f) a park or gardens.
- (I11) "commercial place" means a place used as an office or for business or commercial purposes.
- (I12) "the holder of this environmental authority means Robert Prettejohn, Lot 59, SR217, Parish of Solander, County of Mowbray located at Captain Cook Highway, OAK BEACH QLD 4878

END OF CONDITIONS FOR SCHEDULE I

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SCHEDULE J - SITE PLAN

(J1) Discharge Area



END OF CONDITIONS FOR SCHEDULE
END OF ENVIRONMENTAL AUTHORITY