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Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00923809

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

The anniversary day for the purposes of the Annual Return remains: 6 July.

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:-
Turtle Cove Resort Australia Pty Ltd
Unit 6, 1414 Toorak Road
CAMBERWELL VIC 3124

Development Approval Number: FN0307

Place:-
Lot 26 Plan NR7068
Located at:-
Captain Cook Highway,WANGETTI QLD 4877
Registered Activity: -
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

C. E. Birt

Cathy Birt
Delegate
Administering authority
Environmental Protection Act 1994

18-FEB-2011

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500 251 CNS 352 CNS 352

Our reference: 500 251

Environmental Protection Act 1994

LICENCE No. FN0307

Section 45(1)

COPY

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

FAXED
21 JUN 1999
#Pages 1/N 38 28

To: Turtle Creek Beach Pty Ltd
Address: Trading as Turtle Cove Resort
1st Floor 53 Front Street
MOSSMAN QLD 4873

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

DESPATCHED
22 JUN 1999

Turtle Cove Resort
Lot 26, Plan NR7068
Parish of Dulanban, County of Nares
located at:
Captain Cook Highway
WANGETTI BEACH QLD 4873

- ERA 15(a) Sewage Treatment - 21 equivalent persons or more but <100

Reg mail No: RL 711098 9

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

This Licence takes effect from 6 July 1999.

signed R. A. Lawrence

Rob Lawrence
Acting Manager (EPA)
Cairns District, Northern Region
Delegate of Administering Authority
Environmental Protection Act 1994

date 21 June 1999

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

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 (5) 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

(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.

Monitoring and Measurements

(A4) 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.

(A5) 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

(A6) The holder of this environmental authority shall ensure that the operation and maintenance of the sewage treatment plant and effluent disposal system is carried out by or under the supervision of a person competent to operate and maintain the sewage treatment plant and effluent disposal system.

Maintenance

(A7) The holder of this environmental authority shall ensure that the sewage treatment plant, effluent disinfection system and irrigation system are maintained in an effective operating condition at all times.

Sewage Treatment

(A8) By 1 December 1999, all sewage generated on the licensed place must be directed for treatment and disposal to the sewage treatment plant and irrigation system shown in condition number (J1).

Harvesting of Vegetation

(A9) Grass cut from the irrigation area must be removed from the area as soon as practicable.

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B - AIR

(B1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

(C1) Wastewaters from the environmentally relevant activity must not be directly or indirectly released from the licensed place to groundwater where such release would cause the groundwater to exceed any standard for a water quality characteristic listed in Table 1 Schedule C below.

Table 1 - Schedule C

Waters	**Water Quality Characteristic**	**Standard**
groundwater beneath licensed place	Total nitrogen (mg/L)	[1]The median nitrogen concentration should not exceed the median background nitrogen concentration plus 10% [2]The maximum nitrogen concentration should not exceed the maximum background nitrogen concentration plus 20%
groundwater beneath licensed place	Total phosphorus (mg/L)	[1]The median phosphorus concentration should not exceed the median background phosphorus concentration plus 10%. [2]The maximum phosphorus concentration should not exceed the maximum background phosphorus concentration plus 20%
groundwater beneath licensed place	Faecal coliforms	[3]The median faecal coliform bacterial contamination should not exceed 14MPN/100ml [4]90th percentile 43MPN/100ml

[1] The median (based on pooled results for the three (3) monitoring bores in the potentially impacted zone (W2 - W4) is to be calculated using consecutive results for the last six (6) months for the characteristic.

[2] The maximum (based on pooled results for the three (3) monitoring bores in the potentially impacted zone (W2 - W4) is to be calculated using consecutive results for the last six (6) months for the characteristic.

[3] The median (based on pooled results for the three (3) monitoring bores in the potentially impacted zone (W2 - W4) is to be calculated using consecutive results for the last three (3) months for the characteristic.

[4] The 90th percentile value (based on pooled results for the three (3) monitoring bores in the potentially impacted zone (W2 - W4) is the value which is exceeded by 10% of the values for the characteristic in question and should be calculated using consecutive results for the last three (3) months for the characteristic.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - STORMWATER MANAGEMENT

(D1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E - LAND APPLICATION

Release of Contaminants to Land

(E1) All effluent from the environmentally relevant activity must be disposed of on the defined contaminant release areas, marked in condition number (J1).

(E2) A minimum of 0.3 hectares of land must be provided for the contaminant release area.

Wet Weather Storage

(E3) By 1 December 1999, a wet weather storage tank must be installed and designed to hold a volume of at least 30 000 litres.

(E4) By 1 December 1999, a roof water runoff sensor must be installed, which indicates to the person carrying out the environmentally relevant activity, when the rainfall intensity exceeds 35mm/hour.

(E5) When rainfall intensity exceeds 35mm/hour or when surface runoff is observed leaving the defined contaminant release areas, the contaminants must be directed to a wet weather storage.

(E6) When the wet weather storage is full and when the rainfall intensity exceeds 35mm/hr, as indicated by the roof runoff sensor, the contaminants may be released to the sub-surface irrigation bed shown in condition number (J1).

(E7) Treated sewage effluent stored in the wet weather storage area must be re-chlorinated in the chlorine contact tank prior to release on the defined contaminant release areas.

Quantity of Contaminants Released to Land

(E8) The quantity of contaminants released to the contaminant release areas during any day must not exceed fourteen (14) cubic metres; however up to forty-four (44) cubic metres per day may be released to land under the following circumstances in order to reduce the quantity of effluent in the wet weather storage tank:

(a) the wet weather storage has at least two (2) days generation of effluent stored; and

(b) the effluent is disposed to the defined contaminant release areas on a dry weather day and for a period of not more than one (1) dry weather day in succession; or

(c) the effluent is disposed of through the sub-surface irrigation bed when surface irrigation is not possible due to the rainfall intensity exceeding 35 mm/hr or when surface runoff is observed leaving the defined contaminant release areas.

(E9) The rate of application of contaminants to the contaminant release areas must not exceed 5 mm per day, except under the circumstances in condition numbers (E8)(a) and (E8)(b) above, in which case the rate of application may be up to 15 mm/day, at an hourly rate of not more than 0.8 mm/hour.

Quality of Contaminants Released to Land

(E10) The contaminant/s released must comply, at the sampling and in-situ measurement point/s specified in Schedule H, with each of the release limits specified in Schedule E - Table 1 for each quality characteristic.

Times of Release

(E11) The release of contaminants by surface irrigation to the grassed area marked in condition number (J1) must not be carried out between the hours of 6am and 6pm on any day.

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	6.5 - 8.0	range
Dissolved Oxygen (mg/l)	2	minimum
Free Residual Chlorine (mg/l)	0.5 - 2.0	range
Faecal Coliforms (Organisms/100 ml)	10	maximum

(E12) By 1 December 1999, the holder of this environmental authority must ensure that signs are in place at the perimeter of each defined contaminant release area, displaying a warning to the public that reclaimed water is being used for irrigation.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - NOISE

(F1) Nil conditions.

END OF CONDITIONS OF SCHEDULE F

SCHEDULE G - WASTE MANAGEMENT

Off Site Movement

(G1) 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.

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 environmental authority condition.

(G2) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H - MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept 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

(H2) The sewage collection, treatment and disposal facilities must be inspected at least twice per week by the plant operator or a nominated person to ensure their continued effective operation. A record must be kept of the results of all inspections.

Monitoring of Contaminant Releases to Land

(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 to land at the frequency specified in Schedule H - Table 1.

Sampling and Monitoring Point Details

(H4) Determinations of the quality of contaminants released to land to check conformity with the release quality characteristics specified in Schedule E of this environmental authority must be undertaken at the sampling and in situ monitoring point described as the chlorine contact tank at the sewage treatment plant.

(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.

Monitoring of Volume of Release

(H6) By 1 December 1999, the daily quantity of contaminants released to land must be measured and records must be kept of the results of all determinations of the daily quantity of contaminants released to land.

Schedule H - Table 1

Required Release Point Determinations

Determination Required	Monitoring Point	Frequency
5-day Biochemical Oxygen Demand (mg/l)	Chlorine contact tank	monthly
Suspended Solids (mg/l)	Chlorine contact tank	monthly
pH	Chlorine contact tank	daily
Dissolved Oxygen (mg/l)	Chlorine contact tank	daily
Free Residual Chlorine (mg/l)	Chlorine contact tank	daily
Faecal Coliforms (Organisms/100 ml)	Chlorine contact tank	monthly

Groundwater Monitoring

(H7) By 1 October 1999, the holder of this environmental authority is responsible for the making of determinations and keeping of records of the groundwater quality at locations representative of "background" and "potentially impacted" groundwater conditions, at the frequency specified in Schedule H - Table 2.

Sampling and Monitoring Point Details

(H8) Determinations of groundwater quality to check conformity with the quality characteristics specified in Schedule C of this environmental authority must be undertaken at the sampling and in situ monitoring points described as:

(a) for "background" groundwater monitoring: W1 - the monitoring bore located in the western corner of the licensed premises (adjacent to the water storage tanks).

(b) for "potentially impacted" groundwater monitoring:

(i) W2 - W3: two bores located immediately northeast of the grassy irrigation area marked in condition number (J1).

(ii) W4: a fourth bore located in the northern corner of the licensed premises, adjacent to the wooden pool deck marked in condition number (J1).

(H9) All determinations of groundwater quality 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.

Schedule H - Table 2

Quality Characteristic Determination	Monitoring Points	Frequency
Total Nitrogen	W1 - W4	monthly
Total Phosphorus as P	W1 - W4	monthly
Faecal Coliforms (Organisms/100ml)	W1 - W4	fortnightly during January - March inclusive monthly during April - December inclusive.

Report Submission

(H10) The results of the groundwater monitoring program must be submitted to the administering authority as soon as practicable after the analytical results are available.

(H11) The holder of this environmental authority must ensure that the results of the monitoring performed in accordance with condition number (H7) of this environmental authority for the period covered by the return are submitted with the annual return.

Notification of Emergencies and Incidents

(H12) 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.

(H13) 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 (H12) must include but not be limited to the following:

(a) the holder of this 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 this 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.

(H14) 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 fourteen (14) days following the initial notification of an emergency or incident, the holder of this environmental authority must provide written advice of the information supplied in accordance with condition number (H13) in addition to:

(a) proposed actions to prevent a recurrence of the emergency or incident; and

(b) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.

Exception Reporting

(H15) The holder of this environmental authority must notify the administering authority in writing within twenty-eight (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.

(H16) The written notification required by condition number (H15) must include:

(a) the full analysis results; and

(b) details of investigation or corrective actions taken; and

(c) any subsequent analysis.

END OF CONDITIONS FOR SCHEDULE H

SCHEDULE I - DEFINITIONS

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

(I1) "administering authority" means the Environmental Protection Agency or its successor.

(I2) "Total Nitrogen" means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen

(I3) "mg/l" means milligrams per litre.

(I4) "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 (2) middle values.

(I5) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I6) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I7) "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.

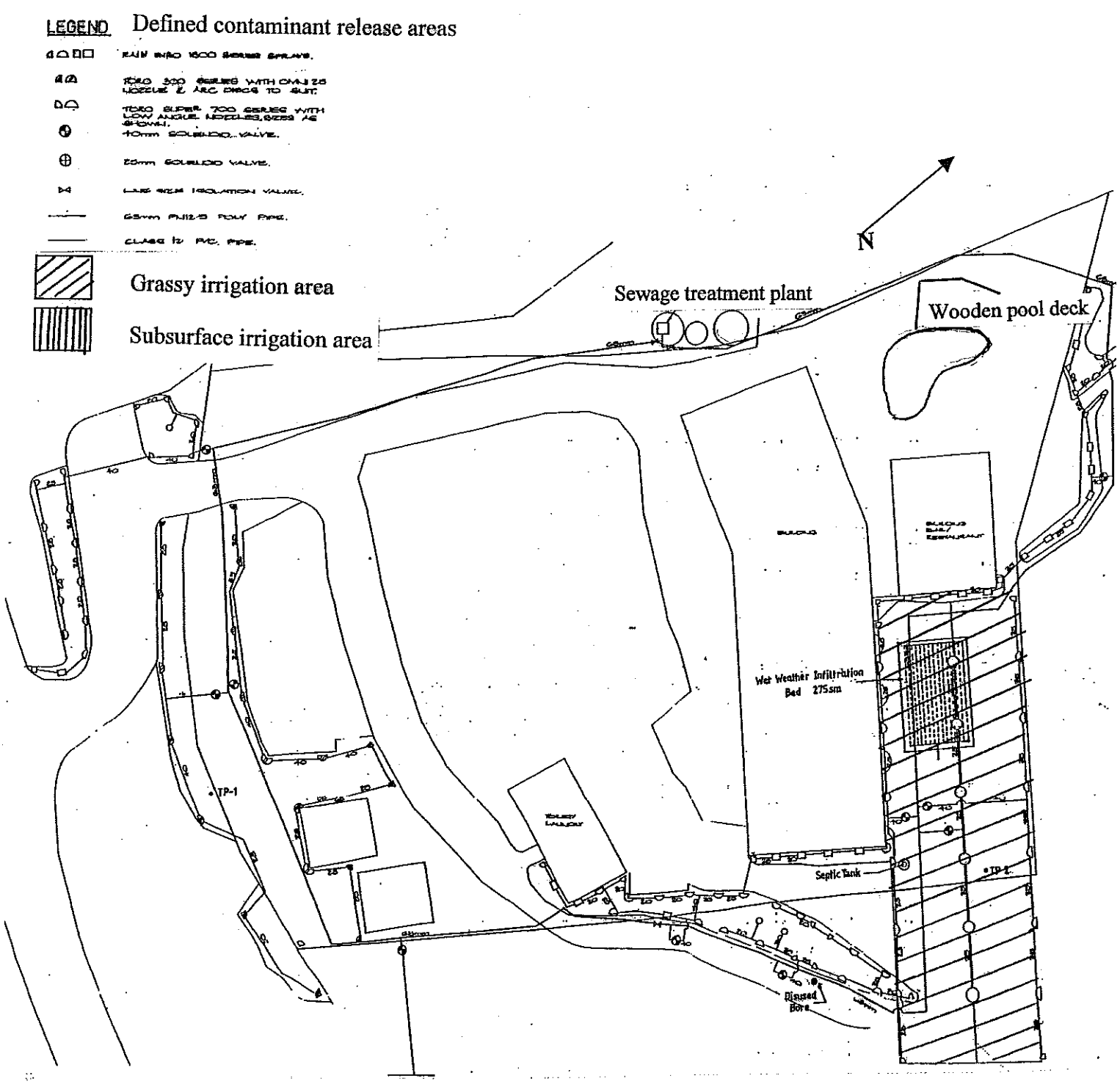
(I8) "licensed place" means Lot 26, NR7068, Parish of Dulanban, County of Nares located at Turtle Cove Resort, Captain Cook Highway, Wangetti Beach Qld 4873.

(I9) "the holder of this environmental authority" means Turtle Creek Beach Pty Ltd.

END OF CONDITIONS FOR SCHEDULE I

SCHEDULE J - SITE PLAN

(J1) Defined Contaminant Release Areas



END OF CONDITIONS FOR SCHEDULE J

END OF ENVIRONMENTAL AUTHORITY