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Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00238505

This registration certificate is issued by the administering authority and takes effect from: 25-FEB-2011.

The anniversary day for the purposes of the Annual Return remains: 18 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:-
David & Valda Lee
Willows Gemfield Caravan Park
30 Willows Road,
WILLOWS GEMFIELDS QLD 4702

Place:-
Lot 1 Plan MPH33380, Lot 2 Plan SP103735
Located at:-
30 Willows Road,KOKOTUNGO QLD 4702
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

25-FEB-2011

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Development application notice

Integrated Planning Act 1997

Applicant:	Willows Gemfields Caravan Park
EPA Development Registration number:	CW0007 ENRE00238505
Date of decision:	18 July 2005
Relevant Laws and Policies:	*Environmental Protection Act 1994* and subordinate legislation
Jurisdiction:	Item 7 of Schedule 2 of the *Integrated Planning Regulation 1998*

Development Description:

Carrying out of Environmentally Relevant Activity (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):

Lot 1, Plan MPH33380 and Lot 2 SP103735 Parish of Woodbine, County of Plantagenet.

located at:

28 Willows Road,
WILLOWS GEMFIELDS QLD 4702.

Decision on Development Application

In deciding the application, the Environmental Protection Agency, as assessment manager approves all of the application and includes in the approval any concurrence agency conditions as a development permit.

Additional information for applicants

This approval pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any further approval for this development which might be required by other State and/or Commonwealth legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Appeal

When issuing a decision notice under the *Integrated Planning Act 1997*, the assessment manager must state the rights of appeal for the applicant (section 3.5.15(2)(j)). The rights of appeal are attached to the back of this notice.

Signed

18.07.2005
Date

Melissa Wells
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

Conditions of the development approval

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 environmental authority consists of the following schedules of conditions relevant to various issues:

Schedule A - General conditions
- Schedule B - Air
- Schedule C - Water
- Schedule D - Land application
- Schedule E - Noise
- Schedule F - Community
- Schedule G - Definitions

Schedule A - General conditions

Prevent and / or Minimise Likelihood Of Environmental Harm

(A1) Notwithstanding any other requirements of this environmental authority, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused when carrying out the environmentally relevant activity.

Site Management Plan

(A2) From commencement of the activity, implement the Site Management Plan (SMP) that identifies the actual and potential release of ALL contaminants, their subsequent environmental impacts and what corrective and preventive measures will be taken to prevent and / or minimise the likelihood of environmental harm. The SMP must also provide for the review and "continual improvement" in the overall environmental performance of all Environmentally Relevant Activities that are carried out.

Notification

(A3) Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened.

Written advice must be provided within fourteen (14) days following any event as identified in condition number (Notification A3) of the following information:
- the location of the event;
- the time of the event;
- the time the holder of the environmental authority became aware of the event;
- the suspected cause of the event;
- a description of the resulting effects of the event;
- actions taken to mitigate any environmental harm and or environmental nuisance caused by the event; and proposed actions to prevent a recurrence of the event.

Monitoring

(A4) 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.

(A5) The quantity of effluent released from the treatment plant during any day must not exceed 16 cubic metres.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

(B1) Prevent the release of odour, dust and/or particulate matter, spray-drift, smoke, aerosols, or fumes which cause or are likely to cause a nuisance. Nuisance includes the release of contaminants that are likely to be offensive to a person or a nuisance in the opinion of an authorised person.

(B2) Dust is not considered to be a nuisance under condition B1 if monitoring shows that dust and / or particulate matter did or does NOT exceed the following limits at the boundary of any affected dust sensitive place:

- 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 the boundary of any affected dust sensitive place downwind of the premises to which this development approval relates, 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.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Release to Waters

(C1) Contaminants must not be released from the licensed place to any waters.

Stormwater Management

(C2) Prevent the release of stormwater runoff that has been in contact with any contaminants at the site to any waters.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise

(D1) Prevent the emission of noise, which causes or is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.

(D2) Noise is NOT considered to be a nuisance under condition D1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Schedule D Tables 1 and 2.

Schedule D - TABLE 1 - NOISE LIMITS (Noise Sensitive Place)

Noise Level dB(A) measured as	Noise measured at a "Noise Sensitive Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A\ 10,\ adj,\ 10mins}$	b/g + 5	b/g + 5	b/g + 0	b/g + 5	b/g + 5	b/g + 0
$L_{A\ 1,\ adj,\ 10mins}$	b/g + 10	b/g + 10	b/g + 5	b/g + 10	b/g + 10	b/g + 5

Schedule D - TABLE 2 - NOISE LIMITS (Commercial Place)

Noise Level dB(A) measured as	Noise measured at a "Commercial Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A\ 10,\ adj,\ 10mins}$	b/g + 10	b/g + 10	b/g + 5	b/g + 10	b/g + 10	b/g + 5
$L_{A1,\ adj,\ 10mins}$	b/g + 15	b/g + 15	b/g + 10	b/g + 15	b/g + 15	b/g + 10

(D3) When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include:

- $L_{A\ 10,\ adj,\ 10\ mins}$
- $L_{A\ 1,\ adj,\ 10\ mins}$
- 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.

(D4) The method of measurement and reporting of noise levels must comply with the Environmental Protection Agency's Noise Measurement Manual, Third Edition, 1 March 2000, or more recent editions or supplements to that document as they become available.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

(E1) Sewage sludge from the primary tank must be pumped out and removed by a regulated waste transporter licensed to remove such waste under the *Environmental Protection Act 1994*.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

(F1) The only contaminants permitted to be released to the gardens and to the constructed wetland within the area described as Lot 1 Plan MPH33380 and Lot 2 SP103735, Parish of Woodbine, County of Plantagenet are treated effluents in compliance with the levels stated in Schedule F Table 1.

Schedule F - Table 1

	Release Limit			
Quality Characteristics	Range	50 Percentile	80 Percentile	Maximum
pH	6.5 - 8.5	-	-	-
E-Coli (organisms/100ml)	-	-	-	150 organisms/100ml
Total Nitrogen (mg/L)				40 mg/L
Total Phosphorus (mg/L)				8 mg/L

5-day Biochemical Oxygen Demand (mg/L)				20 mg/L

(F2) Conduct and keep records of a monitoring program of contaminant releases from the treatment plant at the monitoring points, frequency, and for the parameters specified in Schedule F Table 2 and which complies with the following:

Schedule F - Table 2

Monitoring Point	Quality Characteristic	Units	Frequency
Treatment pool prior to constructed wetland.	pH	pH units	Monthly
Treatment pool prior to constructed wetland.	E-Coli	organisms/100ml	Monthly
Treatment pool prior to constructed wetland.	Total Nitrogen	mg/L	Bi-annually
Treatment pool prior to constructed wetland.	Total Phosphorus	mg/L	Bi-annually
Treatment pool prior to constructed wetland.	5-day Biochemical Oxygen Demand	mg/L	Bi-annually

(F3) The holder of this environmental authority must establish and maintain high nitrogen dependent gardens and plantings at the licensed place.

(F4) When irrigating, the effluent must be sourced from the constructed wetland and distributed on the gardens established in accordance with condition F3.

(F5) Irrigation of effluent must not result in runoff beyond the boundary of the licensed place or into a waterway.

(F6) Movement of effluent within the aqua filter, reed bed filter and treatment pool sections of the sewage treatment system must not result in runoff into a waterway or seepage to groundwater.

(F7) The irrigation of treated effluent must be carried out in a sustainable manner such that:

- vegetation is not damaged;
- soil erosion and soil structure damage is minimised;
- there is no surface ponding of effluent;
- the effluent is evenly distributed on the irrigation area; and
- the infiltration of effluent beyond the plant root zone is minimised

(F8) Notices must be prominently displayed on any treated effluent irrigation area and wetland warning the public that the area is irrigated with treated effluent and not to use or drink the wastewater. These notices must be maintained in a visible and legible condition.

(F9) The holder must take measures to restrict public access to the sewage treatment process.

(F10) When conditions prevent the irrigation of treated effluent to land, alternative measures must be taken to store treated effluent.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

(G1) 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.

(G2) In consultation with the administering authority, cooperate with and participate in any community environmental liaison committee established in respect of either the licensed place specifically, or the industrial estate where the licensed place is located.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

For the purposes of this environmental authority / development permit the following definitions apply:

(H1) **"administering authority"** means the Environmental Protection Agency or its successor.

(H2) **"licensed place"** means the place to which this environmental authority or development permit relates, as the case may be.

(H3) **"noxious"** means harmful or injurious to health or physical well being.

(H4) **"offensive"** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

(H5) **"odour 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.

(H6) **"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.
-

(H7) **"total Nitrogen"** means the sum of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

(H8) **"total Phosphorus"** 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.

Noise Definitions

(H9) "$L_{A\ 10,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, *(adjusted for tonal character and impulsiveness of the sound)* exceeded for 90% of any 10 minute measurement period, using Fast response.

(H10) "$L_{A\ 1,\ adj,\ 10\ mins}$" 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

(H11) **"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.

(H12) **"commercial place"** means a place used as an office or for business or commercial purposes.

(H13) **"noise affected premises"** means a "noise sensitive place" or a "commercial place"

(H14) **"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.*

END OF CONDITIONS FOR SCHEDULE H