Environmental Protection Act 1994

Licence No. CR 0045

Section 45(1)

FILE COPY
ENVIRONMENT

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

To: **WOORABINDA ABORIGINAL COUNCIL**

Address: **COUNCIL CHAMBER**
WOORABINDA QLD 4702

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

11(a) Crude oil or petroleum product storing - storing crude oil or a petroleum product in tanks or containers having a combined total storage capacity of 10 000 l or more but less than 500 000 l

at premises/place described as:

Lot 113, Plan WNA137
County of Wooroona, Parish of Wooroona

located at: Mumms Drive, WOORABINDA QLD 4702

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

located at: Woorabinda Baralaba Rd, WOORABINDA QLD 4702

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

located at: Woorabinda Baralaba Rd, WOORABINDA QLD 4702

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

at premises/place described as:

Lot 186, Plan WNA137
County of Wooroona, Parish of Wooroona

located at: Carbine Street, Woorabinda Qld 4702

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

The amendment to this licence takes effect from **27 September 1999**. The original licence took effect from **18 December 1997.**

Nigel Holmes
Regional Manager (Environment) Central Coast
Delegate of Administering Authority
Environmental Protection Act 1994

This environmental authority consists of the following schedules:

SCHEDULE A - GENERAL CONDITIONS

SCHEDULE B - NOISE

SCHEDULE C - WASTE MANAGEMENT

SCHEDULE D - MONITORING AND REPORTING

SCHEDULE E - SEWAGE TREATMENT

SCHEDULE F - GENERAL WASTE DISPOSAL FACILITY

SCHEDULE G - PETROLEUM PRODUCT STORAGE

SCHEDULE H - WORKSHOP

SCHEDULE I - DEFINITIONS

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. 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.

Integrated Environmental Management System (IEMS)

(A6) The Integrated Environmental Management System submitted by the holder of this environmental authority with the licence application is acknowledged by the Administering Authority as being a provisional IEMS only.

(A7) By 17 December 1999, the holder of this environmental authority must lodge with the administering authority the final IEMS and its documentation reviewed in accordance with the conditions of this environmental authority.

(A8) A copy of the Integrated Environmental Management System must be kept in a location readily accessible to personnel carrying out the activity

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B - NOISE

Emission of Noise

(F1) The environmentally relevant activities 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 FOR SCHEDULE B

SCHEDULE C - WASTE MANAGEMENT

General

(C1) 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.

Notification of Improper Disposal Of Regulated Waste

(C2) 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 C

SCHEDULE D - MONITORING AND REPORTING

Complaint Recording

(D1) 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.

Report Submission

(D2) 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

(D3) 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.

Notification of Emergencies and Incidents

(D4) 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.

(D5) 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 (D4) 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.

(D6) 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 (D5) 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

(D7) 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.

(D8) The written notification required by condition number (D7) above 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 D

SCHEDULE E - SEWAGE TREATMENT

Trained Operators

(E1) All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be:

(i) trained in the procedures and practices necessary to:
  (a) comply with the conditions of this environmental authority, and
  (b) prevent environmental harm during normal operation and emergencies; or
(ii) under the close supervision of such a trained person.

Noxious or Offensive Odour

(E2) Notwithstanding any other condition of this environmental authority, no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.

Release of Contaminants to Waters

(E3) Contaminants must not be directly or indirectly released from the licensed place to any waters or bed and banks of any waters.

Release of Contaminants to Land

(E4) The only contaminant to be released to land is treated sewage effluent.

(E5) There must be no discharge of effluent to any neighbouring property or to any area other than the defined irrigation area.

Contaminant release location

(E6) The defined contaminant release area is described as fenced Council's paddock located next to the sewage treatment plant.

Quality Characteristics of Release to Land

(E7) The contaminant released must comply, at sampling and in-situ measurement points, with each of the release limits specified in Table 1 for each quality characteristic.

SCHEDULE E TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS

Quality characteristic	Release limit	Limit type
5-day Biological Oxygen Demand	20 mg/L	Maximum
Suspended Solids	30 mg/L	Maximum
pH (pH units)	6.5 - 8.0	Range
Faecal Coliforms (organisms/100 ml)	< 1000 thermotolerant coliforms/100 ml	Maximum

(E8) The release must not have any properties nor contain any organism contaminants in concentrations which are capable of causing environmental harm.

Contaminant Release Precautions

(E9) Public access to any contaminant release area must be denied during the release of contaminants to land and until the release area has dried.

(E10) The release of contaminants to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.

(E11) Spray from any release of contaminants to land must not drift beyond the boundaries of the licensed place.

(E12) Pipelines and fittings for the release of contaminants to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release areas.

Monitoring of Contaminant Release to Land

(E13) The holder of this environmental activity is responsible for the making of determinations of the quality of the contaminants released for the release points, quantity characteristics, and at the frequency specified in Schedule E, Table 2.

SCHEDULE E TABLE 2

Quality Characteristic	Units	Frequency
5-day Biochemical Oxygen Demand	mg/L	Monthly until system is demonstrated to be stable and compliant for six months, then quarterly thereafter
Suspended Solids	mg/L	Monthly until system is demonstrated to be stable and compliant for six months, then quarterly thereafter
pH	pH scale	Monthly until system is demonstrated to be stable and compliant for six months, then quarterly thereafter
Faecal Coliforms	cfu/100mL	Monthly until system is demonstrated to be stable and compliant for six months, then quarterly thereafter

(E14) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available, or as specifically approved by the administering authority.

Wet Weather Storage

(E15) When weather conditions or soil conditions preclude the release of contaminants, the contaminants must be directed to a wet weather storage.

(E16) The wet weather storage must be designed to contain 20 days' expected maximum effluent flow.

(E17) By the second annual return, the holder of this environmental authority is to conduct a study into the sustainability of the irrigation to the land, with respect to the soil permeability and its nutrient and salt adsorption capacity, and the proximity of groundwater and any potential impacts on groundwater quality. Nutrient removal options (e.g. harvesting and feeding of animals elsewhere) should be considered. Recommendations on application rate, minimum area of release and nutrient loading rates should be included.

(E18) Animal and human access to any contaminant release area must be denied during the release of contaminants to land and for ten days afterward.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - GENERAL WASTE DISPOSAL FACILITY

Stormwater management

(F1) A system of suitable diversion drains or embankments must be constructed and maintained to divert surface waters away from any area of the licensed place where contact with wastes or contaminants may occur, including but not limited to:

(a) active disposal trenches; and
(b) areas used for the storage of wastes;and
(c) areas previously used for waste disposal.

Disposal Trench Construction

(F2) The holder of this environmental authority must ensure that any active disposal trench is excavated into low permeability soils of sufficient thickness and appropriate characteristics to effectively attenuate landfill leachate percolating from the trench to an extent that the migration of landfill leachate to groundwater shall not cause environmental harm or environmental nuisance.

(F3) The holder of this environmental authority must ensure that the base of any disposal trench is sufficiently separated from any groundwater to ensure that migration of landfill leachate to groundwater shall not cause environmental harm or environmental nuisance.

(F4) All active waste disposal trenches must be constructed in such a manner that thefloor of the trench is graded with a slope downwards from the active tipping face to a sump to enable accumulation of contaminated stormwater to be removed during trench operation.

Design and Operating Criteria

(F5) The holder of this environmental authority shall use temporary berms of low permeability material to minimise the exposure of waste deposited in active disposal trenches to rainwater which may accumulate in the trenches.

(F6) No putrescible wastes shall be disposed of into water.

(F7) Deposited waste must be covered with at least 0.20 m of earthen material or other dense and incombustible alternative material at the end of each week or at more frequent intervals if necessary, so that no putrescible wastes are exposed.

(F8) Adequate cover material for at least two weeks operation must be stored and be readily available on the licensed site.

(F9) Waste deposited within the landfill facility must be evenly and properly consolidated by mechanical plant at the end of each week.

(F10) The licensed premises must be appropriately fenced provide litter and stock control.

(F11) The fence around the site must be maintained in good repair. A regular program of litter collection must be conducted to ensure that the site, fence and the surrounds of the site are kept in a tidy condition.

Signage

(F12) The holder of this environmental authority must prominently display on the licensed site appropriate signs with the following information:

- types of waste which must be deposited at the site and a contact telephone number for information on alternative disposal options;
- prominent list of materials acceptable for recycling and the location of them to be deposited on site;
- contact telephone number for information and complaints;
- a warning sign indicating that unlawful disposal and unauthorised scavenging is prohibited;
- a warning sign indicating that open burning is prohibited.

Fire prevention

(F13) A fire break must be provided and maintained in consolation with the Regional Fire Commander.

(F14) The holder of this environmental authority must act to ensure that any unauthorised fire on the licensed place is promptly extinguished when practicable.

Public Health Issues

(F15) 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.

(F16) 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 fly breeding, mosquito breeding and rat harbourage and breeding.

Closure and Post-closure Care

(F17) At least 12 months prior to the completion of waste receipt operations at a waste disposal facility, the holder of this environmental authority must submit to the administering authority a closure plan and post-closure care and maintenance plan.

(F18) The closure plan referred in (F17) must describe the proposed actions of the holder of the environmental authority in relation to:

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

(F19) The holder of this environmental authority shall have due regard to the comments of the administering authority regarding the closure plan submitted by the holder of this authority, as referred in (F17).

(F20) The holder of the environmental authority must conduct post closure care of the landfill for 30 years or until it can be demonstrated to the administering authority that the site is geotechnically stable and will not release contaminants to the environment. Such care must include but shall not be limited to:
(i) maintaining the integrity and effectiveness of any final cover systems;
(ii) maintaining and operating the leachate collection system.

END OF CONDITIONS FOR SCHEDULE F

SCHEDULE G - PETROLEUM PRODUCT STORAGE

(G1) Any spillage of wastes, oils, contaminants, detergents or other materials shall be cleaned up as quickly as practicable using dry absorbent cleaning methods. Such spillages must not be cleaned by hosing, sweeping or otherwise releasing such wastes , oils or contaminants to any waters, roadside gutter or stormwater drainage system.

(G2) Dry absorbent material shall be kept on site to clean up spilt oil, and to prevent such spills entering the stormwater system.

(G3) The holder of this environmental authority must comply with Australian Standard 1940-1993 The Storage and Handling of Flammable and Combustible Liquids.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H - WORKSHOP

Bunding

(H1) All petroleum product storages must be bunded in accordance with Australian Standard AS1940-1993.

(H2) All bunding must be constructed of materials which are impervious to the materials stored.

(H3) All bunding shall be roofed where practicable.

(H4) Where it is impractical to completely roof a bunded area, the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to release.

(H5) All tanker loading/unloading areas must be bunded so that the capacity of the bund is sufficient to contain 110% of the largest tank.

(H6) A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.

Vehicle servicing and maintenance

(H7) The servicing and maintenance of motor vehicles must be carried out in a designated area which is appropriately bunded and has an impervious floor.

(H8) Oil filters must be recycled, and if a recycling service is not available, the filters must be cleaned and drained overnight and placed in an industrial waste bin.

(H9) Containers or vessels containing residual oil and fluid must be drained and cleaned before placing in an industrial waste bin.

(H10) Batteries must be stored undercover and in a spill tray.

(H11) All spills should be cleaned up promptly. Sawdust or other absorbent materials must be used for liquid spills and where possible residues must be bagged before placing in an industrial waste bin.

Vehicle washdown

(H12) Vehicle must be washed in a manner that will prevent any stormwater drains becoming contaminated.

(H13) Any wastewater collected must be either directed to the sewerage system subject to the conditions of a trade waste permit, or collected for recycling.

NH

(H14) Quick-break degreasing compounds and detergents must be used to reduce the emulsification of oils and other hydrocarbons.

Parts Cleaning

(H15) Volatile liquids (solvents) must be stored in covered containers and a pumping system must be used in place of pouring solvents.

(H16) A water seal must be used in open solvent tanks.

(H17) Solvents, unsuitable for reuse, must be returned to a reputable solvent recycler.

(H18) Waste solvents and sludges, unsuitable for recycling must be collected for disposal at an approved waste disposal facility.

Waste Management

(H19) Wastes such as waste oil, coolant, oil filters, batteries, tyres, etc. must be properly collected, stored and disposed of in an approved manner.

(H20) Solid waste, other than problem waste such as steel drums, gas cylinders, asbestos, synthetic mineral fibres, must be stored in an industrial waste bin for collection by a licensed transporter.

(H21) Waste containers must be clearly labelled and located in convenient areas.

(H22) Waste must not be mixed if it is not recyclable in the mixed state.

(H23) All wastes placed in industrial waste bins must be dry, solid and inert.

(H24) Batteries unsuitable for reuse must be returned to a reputable battery recycler.

Stormwater Management Plan

(H25) By the second Annual Return the holder of this environmental authority must develop and implement an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.

(H26) The Stormwater Management Plan must address at least the following matters:

(I) prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants;
(ii) diversion of upstream runoff away from areas containing wastes or contaminants;
(iii) minimisation of the size of contaminated areas;
(iv) cleaning of contaminated areas without water;

NH

(v) installation of pollution control equipment such as oil separators, silt and rubbish traps, sedimentation ponds, settling pits and stormwater diversion systems;

(vi) paving and roofing of contaminated areas;

(H27) A copy of the Stormwater Management Plan and any subsequent amendment must be kept at the licensed place and be available for examination by an authorised person on request.

END OF CONDITIONS FOR SCHEDULE H

SCHEDULE I - DEFINITIONS

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

(I1) "mg/l" means milligrams per litre.

(I2) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I3) "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.

END OF CONDITIONS FOR SCHEDULE I