Queensland Government

Department of
Environment and Heritage Protection

27-OCT-2014

To:
Oil Tech International Pty Ltd
Po Box 135
BEENLEIGH QLD 4207

Email:
corporateservicesaustralia@live.com.au

Your reference: EPPR02587714
Our reference: 241070

Application details

I refer to the application that was received by the administering authority on 10-OCT-2014.

Land description: 126 Sandy Creek Road YATALA Lot 1 Plan RP158997.

Decision

Your application has been approved and your environmental authority (reference EPPR02587714) is attached.

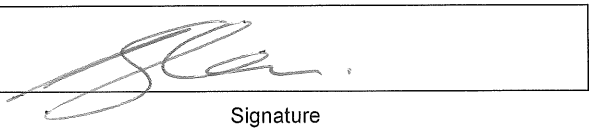
Additional comments or advice

You are advised that if you are not the owner of the land to which the environmental authority relates, you have 10 business days from receipt of this environmental authority to give each owner of the land, written notice that you have been issued this environmental authority.

Should you have any further enquiries, please contact Olga Hawas on telephone 1300 130 372.

Yours sincerely

Olga Hawas
Waste and Contaminated Land Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: olga.hawas@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

	27/10/2014
Signature	Date

Kelly Gleeson
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enclosed

Permit - environmental authority (reference EPPR02587714)

Permit[1]

Environmental Protection Act 1994

Environmental authority EPPR02587714

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

Permit[1] number: EPPR02587714

Environmental authority takes effect from 27-OCT-2014.

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 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Oil Tech International Pty Ltd	126 Sandy Creek Road YATALA QLD 4207

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
55-(2) Regulated waste recycling or reprocessing	126 Sandy Creek Road YATALA - Lot 1 Plan RP158997

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.

Processing of waste oil and lubricants to produce diesel fuel

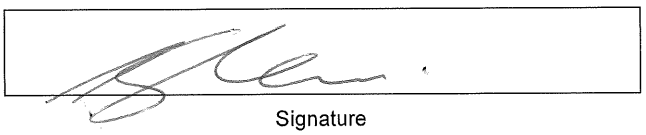
The proposed technology to process waste oil and lubricants to produce diesel fuel is approved subject to a 12 month trial period, to study the potential impact of hazardous air pollutants generated from the process. The holder of the environmental authority must undertake a continuous and isokinetic stack and process monitoring during the trial period and submit a report to the administering authority, within a period of one month, after the completion of the trial.

The 12 month trial period begins form the effective date of this environmental authority.

The trial must be designed to evaluate the effect of burning a range of waste oils and lubricants on the process parameters (such as furnace temperature, residence time, oxygen contents of flue gases etc.), the production of waste steam, monitoring the process and flue gases and the potential impact on the receiving environment. The holder of the environmental authority must provide information on the amount of material processed, the chemical properties of the waste oils and lubricants used, air pollution control devices and flue gas characteristics.

During the trial, the facility must demonstrate that the equipment used in this technology and its control devices can meet the 99.99 percent destruction and removal efficiency (DRE) for principal organic hazardous air pollutants and all emissions standards, under all potential operating variables.

The holder of the environmental authority must monitor stack emissions to demonstrate the performance of the process, and the pollution control equipment. The trial needs to be conducted using different processing rate to ensure that burning of this material would not cause any environmental harm. To ensure compliance with the best practice, a safe amount and type of waste oils and lubricants needs to be determined.



Signature

27/10/2014.

Date

Kelly Gleeson
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Olga Hawas
Waste and Contaminated Land Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: olga.hawas@ehp.qld.gov.au

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)

Conditions of environmental authority

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	**Condition**
A1	The maximum quantity of oily wastewater for oily water treatment permitted to be imported onto the site (namely to Pad 4) is 110,000 litres in any day and 30 million litres in any calendar year.
A2	**Prevent and/or Minimise Likelihood of Environmental Harm** In carrying out an ERA to which this environmental authority relates, the holder of the environmental authority must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused.
A3	Oily water treatment is limited to the following treatment processes: (a) Gravity and centrifugal separation; (b) Screening; (c) Chemical treatment (pH adjustment and coagulation/flocculation); (d) Heating.
A4	**Alterations** 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 increase, the risk of environmental harm above that expressly provided by this environmental authority.
A5	**Feedstock Acceptance and Processing** The only feedstock to be received, stored or treated at the authorised place is oily water including bilge water and wastewater contaminated with oils and oil emulsions.

A6	**Trained Operators** All persons engaged in the conduct of an ERA to which this environmental authority relates, including but not limited to employees and contract staff, must be: (a) trained in the procedures and practices necessary to: (i) comply with the conditions of this environmental authority, and (ii) prevent environmental harm during normal operation and emergencies; or (b) under the close supervision of such a trained person.
A7	**Maintenance of Plant and Equipment** The holder this environmental authority must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and (b) maintain such measures, plant and equipment in a proper and efficient condition; and (c) operate such measures, plant and equipment in a proper and efficient manner.
A8	The holder of the environmental authority must ensure that the operation and maintenance of any plant and equipment at the authorised place, including pollution control equipment, is carried out by a person with appropriate experience and qualifications.
A10	**Monitoring** All monitoring, assessments and reports required by this environmental authority must be conducted by person(s) with appropriate experience or qualifications.
A11	**Environmental Impact Analysis Reporting** The holder of the environmental authority must arrange for the monitoring data gathered in accordance with this approval to be analysed by a suitability qualified person in order to demonstrate compliance with the conditions of this environmental authority. When data analysed demonstrates a non-compliance with the conditions of this environmental authority, the data must be further interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity.
A12	**Records** The holder of the environmental authority must record, compile and keep all records required to demonstrate compliance with the conditions of this environmental authority and keep these records in a location readily accessible to the persons carrying out the ERA(s).
A13	All records required to be kept as a condition of this environmental authority must be kept for a minimum of 5 years and be provided to the administering authority upon request.
A14	**Equipment Calibration** All instruments, equipment and measuring devices used for measuring or monitoring any parameter in accordance with any condition of this environmental authority must be calibrated, and appropriately operated and maintained according to the manufacturer's instructions.

A15	A record must be made and kept of each time an instrument, equipment or measuring device is calibrated. This record must include: (i) date and time of calibration. (ii) a completed checklist of the steps performed to carry out the calibration. (iii) variance observed. (iv) signature of the person carrying out the calibration.
A16	**Exception Reporting** The administering authority must be notified in writing of any monitoring result which indicates an exceedance of any environmental authority limit within twenty eight (28) days of the completion of analysis.
A17	The written notification required by condition A16 must include: (a) results of the full analysis of the incident; (b) details of investigation or corrective actions taken; and (c) any subsequent analysis.
A18	**Incident Notification** The holder of the environmental authority must notify the administering authority within twenty-four (24) hours, 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.
A19	A written notice detailing the following information must be provided to the administering authority within 14 business days of any advice provided in accordance with condition A18: (a) the name of the holder, including their environmental authority number; (b) the name and telephone number of a designated contact person; (c) the nature of the emergency, incident and / or non-compliance and the time and date of the release; (d) the quantity and nature of the substance released; (e) the location and time of the release; (f) vehicle and registration details of any vehicle involved; (g) the names of the person/s involved in the release and / or clean up; (h) the suspected cause of the release; (i) a description of the effects of the release; (j) the results of any sampling performed in relation to the release; (k) actions taken to mitigate any environmental harm caused by the release; and (l) proposed actions to prevent a recurrence of the release.

A20	**Site Based Management Plan** From the commencement of an ERA, a Site Based Management Plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERA's carried out. The SBMP must address the following matters: (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals. (b) Identification of environmental issues and potential impacts. (c) Control measures for routine operations to minimise likelihood of environmental harm. (d) Emergency Response Plan. (e) Organisational structure and responsibility. (f) Effective communication. (g) Documentation Systems. (h) Monitoring of contaminant releases. (i) Conducting environmental impact assessments. (j) Implementation of waste management plan. (k) Program for continuous improvement. (l) Staff training. (m) Record keeping. (n) Periodic review of the SBMP.
A21	The SBMP must not be implemented or amended in a way that contravenes any condition of this environmental authority.
A22	A copy of the SBMP must be kept at the authorised place to which this environmental authority relates.
A23	**Security** All practicable measures must be taken to prevent unauthorised access to the authorised place to which this environmental authority relates.
A24	The holder of the environmental authority must ensure that, at all times while an ERA is being carried out, at least one person is present who is responsible for the control and operation of the facility and whose duties must include but are not limited to: (a) controlling the reception, storage and removal of raw materials, feedstock and wastes; (b) maintaining the facility to an appropriate environmental standard; (c) controlling all employees working in the facility; and (d) supervising all persons entering the facility.

Agency interest: Feedstock Handling	
Condition number	**Condition**
B1	**Regulated Wastes** Regulated waste must not be received from any person who does not hold a current authority to transport the wastes under the provisions of the *Environmental Protection Act 1994* and the Environmental Protection Regulation 2008 (or subsequent legislation).
B2	The holder of the environmental authority must not accept or store at the authorised place any container or vessel which, upon receival at the authorised place, is found to be: (a) leaking; or (b) damaged or corroded to the extent that leaks may occur during handling and storage on the authorised place.
B3	**Loading and Unloading Areas** All loading/unloading of regulated wastes must take place only within designated vehicle loading/unloading areas or bunded areas.
B4	The transfer of regulated waste materials from process plant to drums or containers must take place within bunded areas.
B5	The holder of the environmental authority must ensure that a facility or equipment is available for the containment and recovery of any spillages at the loading/unloading point.
B6	The holder of the environmental authority must take all practicable measures to prevent the spillage or leakage of wastes from any registered vehicle, during loading unloading and transportation of the wastes.
B7	**Feedstock Sampling and Analysis Procedure** The holder of the environmental authority must implement a Feedstock Sampling and Analysis Procedure such that only wastes permitted to be received in accordance with condition A4 are accepted at the authorised place. The procedure must include: (a) approved regulated waste specifications; (b) storage and treatment specification limits; (c) methodology to be used in the sampling and monitoring of all wastes received that demonstrates that the waste can be treated using best practice environmental methods to transform the waste into a safely disposable or saleable product; (d) details of off-site analysis in event that unknown waste is received at the authorised place; (e) response in the event of detection of wastes in excess of plant specification limits; and (f) keeping of record(s) of any analysis, measurements and observations for all wastes received at the authorised place.
B8	A copy of the Feedstock Sampling and Analysis Procedure must be kept at the authorised place.

B9	The holder of the environmental authority must not accept, store, treat and / or reprocess any regulated waste until it has been sampled and analysed in accordance with the Feedstock Sampling and Analysis Procedure.
B10	The holder of the environmental authority must analyse at least one or more samples from every load of waste accepted at the facility to determine its suitability for treatment and or storage at the authorised place.
B11	Samples taken as per condition B10 must be labelled with the date and identification number, and be cross referenced with the relevant waste transport documentation.
B12	All determinations of the quality of the regulated waste accepted at the waste treatment facility and transported for off-site treatment, reprocessing or disposal must be performed by an appropriately qualified person.
B13	A written record must be kept for all waste sampling and analysis undertaken in accordance with condition B10.
B14	**Waste Storage and Treatment** All regulated wastes must only be stored, treated or reprocessed within those areas designated for those purposes.
B15	All regulated wastes permitted to be received and stored at the authorised place must be stored in sealed waste containers or tanks within a roofed and bunded storage area.
B16	Regulated waste containers or tanks that are deteriorating (e.g., cracked, rusted) or leaking must not be used.
B17	Containers and tanks used to store regulated waste must be made of or lined with materials that will not react with and are otherwise compatible with the waste in the container or tank.
B18	Containers and tanks holding regulated waste must always be closed during storage, except when waste is added or removed.
B19	Containers must not be handled, opened, or stored in a manner that may cause them to leak.
B20	Containers and tanks holding ignitable or reactive wastes must be located at least 15 metres from the facility's property line.
B21	At least once a week, container and tank storage areas used to store regulated waste must be visually inspected for leaks or deterioration. The holder of the environmental authority must record inspections in a log, including: (a) the date and time of the inspection; (b) the name of the inspector; (c) observations made, and the date; and (d) nature of any repairs.

B22	Spills or overflows from regulated waste storage tanks must be prevented by using, at a minimum: (a) spill prevention controls such as check valves; and (b) overfill prevention controls such as high level alarms and automatic feed cut-offs.
B23	No underground chemical, fuel and regulated waste storage tanks are to be installed at the authorised place.
B24	Integrity assessments of chemical, fuel and regulated waste storage tanks must be undertaken to verify that the tank is fit to contain the material stored or treated therein without failing, collapsing, or rupturing.
B25	**Containment of Spills** The holder of the environmental authority must ensure that a facility or equipment is available for the containment and recovery of any spillages at the loading/unloading point.
B26	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the authorised place.
Agency interest: Air	
Condition number	**Condition**
C1	**Noxious or Offensive Odour** Notwithstanding any other condition of this environmental authority, no release of contaminants resulting from the ERAs is to cause a noxious or offensive odour beyond the boundaries of the authorised place.
C2	**Dust Nuisance** Notwithstanding any other condition of this environmental authority the release of dust and/or particulate matter resulting from the authorised place must not cause an environmental nuisance beyond the boundaries of the authorised place.
C3	Contaminants must not be released to the atmosphere from a release point at a height and a flow rate less than the corresponding height and velocity stated for that release point in **Table 1 - Source Description** of this approval.

Table 1- Source Description

Release point number	Source description	Minimum release height (metres	Minimum Efflux Velocity (metres/second)	Minimum release temperature
RP2	Outlet of wet scrubber	NA	NA	NA

C4

Release of Contaminants to the Atmosphere

The release of contaminants to the atmosphere from a point source must only occur from the release point identified in **Table 2 - Contaminant release to air (under normal operating conditions)** and must be directed vertically upwards without any impedance or hindrance.

Table 2 - Contaminant release limits to air (under normal operating conditions)

Release point number	Contaminant release	Maximum release limit	Sampling frequency
RP-2 – outlet of wet scrubber	Total Heavy Metals[1]	1 mg/N m^3 (dry)	Every 3 months
	Hydrogen Sulphide (H_2S)	5 mg/Nm^3 (dry)	Every 3 months
	Total Reduced Sulphur (TRS)	30 mg/Nm^3 (dry)	Every 3 months
	Volatile Organic Compounds (as N-propane equivalent)[2]	40 mg/Nm^3 (dry)	Every 3 months
	pH	6.0> pH <9.0.	monthly

Note1: The above total heavy metals limit is for the total of antimony, arsenic, cadmium, lead, mercury, beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements.

C5

Contaminants must not be released to the atmosphere from a release point at a concentration, as measured at a monitoring point, in excess of that stated in **Table 2** and monitored not less frequently than that stated in **Table 2**.

C6	**Iso-Kinetic Monitoring of Contaminant Releases to the Atmosphere** The holder of the environmental authority must conduct and keep records of a continuous monitoring program of contaminant releases to the atmosphere at the release point, frequency, and for the parameters specified in Table 2 and which complies with the following: (a) All determinations must be made by an appropriately qualified person. (b) Monitoring provision for the release point listed in Table 2 must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions". (c) All determinations of contaminant releases to the atmosphere must be made in accordance with methods prescribed in the most recent version of the administering authority's Air Quality Sampling Manual. If monitoring requirements for specific contaminants are not described in the administering authority's Air Quality Sampling Manual, monitoring protocols must be in accordance with a method as approved by New South Wales DEC/EPA, Victorian EPA or United States EPA. (d) The following tests must be performed for each required determination specified in Table 2: (i) gas velocity and volume flow rate; (ii) temperature and oxygen content; and (iii) water vapour concentration. (e) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be at maximum rates; (f) during the sampling period the following additional information must be gathered: (i) plants throughput rate at the time of sampling; (ii) fuel type and consumption rate; and (iii) any typical factors that may influence air emissions.
C7	All activities associated with the oily waste receival plant operations must be conducted within enclosed chambers and or areas of the plant that is under constant negative pressure at all times when the activities are occurring.
C8	**Emissions from Unloading / Loading Operations** All regulated waste receival areas must be roofed and equipped with odour and gas extraction systems for treatment via the on-site emission control devices.
C9	**Emission Extraction System** The ducting and extraction systems which transfer gaseous emissions from each waste processing area must be properly and effectively constructed, operated and maintained so that no release of contaminants to the atmosphere occurs only from designated release points.
C10	For the purposes of checking the efficient operation of the wet scrubber and associated equipment, the holder of the environmental authority must develop and implement a scrubber efficiency monitoring program. The scrubber efficiency monitoring program must provide for monitoring and recording of the following information: (a) time and date of measurements; (b) continuous monitoring of the pH emitted from the scrubber; and (c) at least daily checking of the operational parameter of the scrubber.

C11	**Emission Control Maintenance** All emission control device(s) must be maintained as specified in the manufacturer's specifications and in a manner to prevent or minimise the release of contaminants to the atmosphere. An emissions control maintenance procedure must be prepared and implemented in accordance with the manufacturers' operating instructions/ specifications.
C12	**Wet Scrubber** The wet scrubber must be fitted with a device to monitor the flow rate of liquid through the unit and to indicate by both visual and audible alarm functions if liquid flow failure through the unit should occur.
C13	Equivalent duty back-up pumps must be provided and maintained on site for the transfer of scrubbing water to and from the scrubber.
C14	All collected material removed from a scrubber must be recycled, or removed and disposed of to a facility that can lawfully accept such wastes.

Agency interest: Water	
Condition number	**Condition**
D1	**Release to Waters** Contaminants must not be released from the authorised place to any waters (including groundwater) or the bed and banks of any waters.
D2	**Stormwater Management** Stormwater which has been in contact with contaminants must not be directly or indirectly released from the premises to which this environmental authority relates to any waters or the bed and banks of any waters except: (a) as permitted under the stormwater conditions of this environmental authority; or (b) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
D3	The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from which the contaminants cannot be released into any other waters, roadside gutter or stormwater drainage system.
D4	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing or other means that could release such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

D5	**Monitoring of Contaminant Releases to Waters** When requested by the administering authority, the holder of the environmental authority must monitor the quality of stormwater released from the authorised place. The location of any monitoring point(s) and the parameters analysed must be approved by the administering authority.
Agency interest: Land	
Condition number	**Condition**
E1	**Preventing Contaminant Release to Land** Contaminants must not be released to land.
E2	**Onsite Containment System** Spillage of all chemicals and fuels must be contained within an onsite containment system and controlled in a manner that prevents environmental harm.
E3	All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
E4	**Bunding** All chemical, fuel and regulated waste drum or container storage must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
E5	All chemical, fuel and regulated waste tank storages must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.
E6	All loading / unloading areas must be bunded so that the capacity of the bund is sufficient to contain 100% of the largest compartment of any tanker using the area.
E7	Stormwater run-off must be prevented from entering a bund unless the bund has sufficient capacity to contain any run-off entering the system in addition to the capacity requirements.
E8	Any waste that has spilled or leaked into the bund or any accumulated precipitation must be removed from the bund in as timely a manner as is necessary to prevent overflow.
E9	Where an automatic sprinkler system is required to be installed, the bunded volume must be increased by a volume equivalent to 20 minutes of maximum output from that system.
E10	All bunding must be constructed of materials which are impervious to the materials stored.
E11	The base and walls of all bunded areas must be regularly maintained and kept free from gaps, holes and cracks.
E12	Collection sump(s) must be provided in the floor of bunded areas to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.

E13	All pipe work from the bunded areas must, where practicable, be directed over the bund wall and not through it.
E14	Where it is not practicable to direct pipe work over a bund wall an effective seal must be maintained at all times between the pipe and the bund.
E15	All bunding must be roofed where practicable.
E16	Where it is not practicable to completely roof a bunded area, any stormwater collected within the bund must not be discharged to stormwater.
E17	Stormwater captured within the bunds located in the oily waste process area must be collected and recycled back to the oily waste treatment plant.
E18	Where vehicle access to a bunded area is required, the access must be by way of a rollover bund.
E19	All empty drums must be stored on a concrete hardstand area with their closures in place.
E20	**Above Ground Tanks** All above ground tanks must be clearly identified with an alpha numeric label.
E21	**Storage of hydrocarbons** All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
E22	All tanks not in use must have their inlet and outlet valves properly and effectively secured to prevent any unauthorised use.
E23	**Tank Register** A tank register of all tanks located at the authorised place with a capacity greater than 1000 litres must be maintained in a legible form at the authorised place. The register must contain, at least the following: (a) composition of waste being stored; (b) date, name, company and position of the person making the entry; and (c) each tank's identification number, process area and volume.
Agency interest: Noise	
Condition number	**Condition**
F1	**Noise Nuisance** Noise from an ERA(s) to which this environmental authority relates must not cause an environmental nuisance at a noise sensitive place or commercial place.

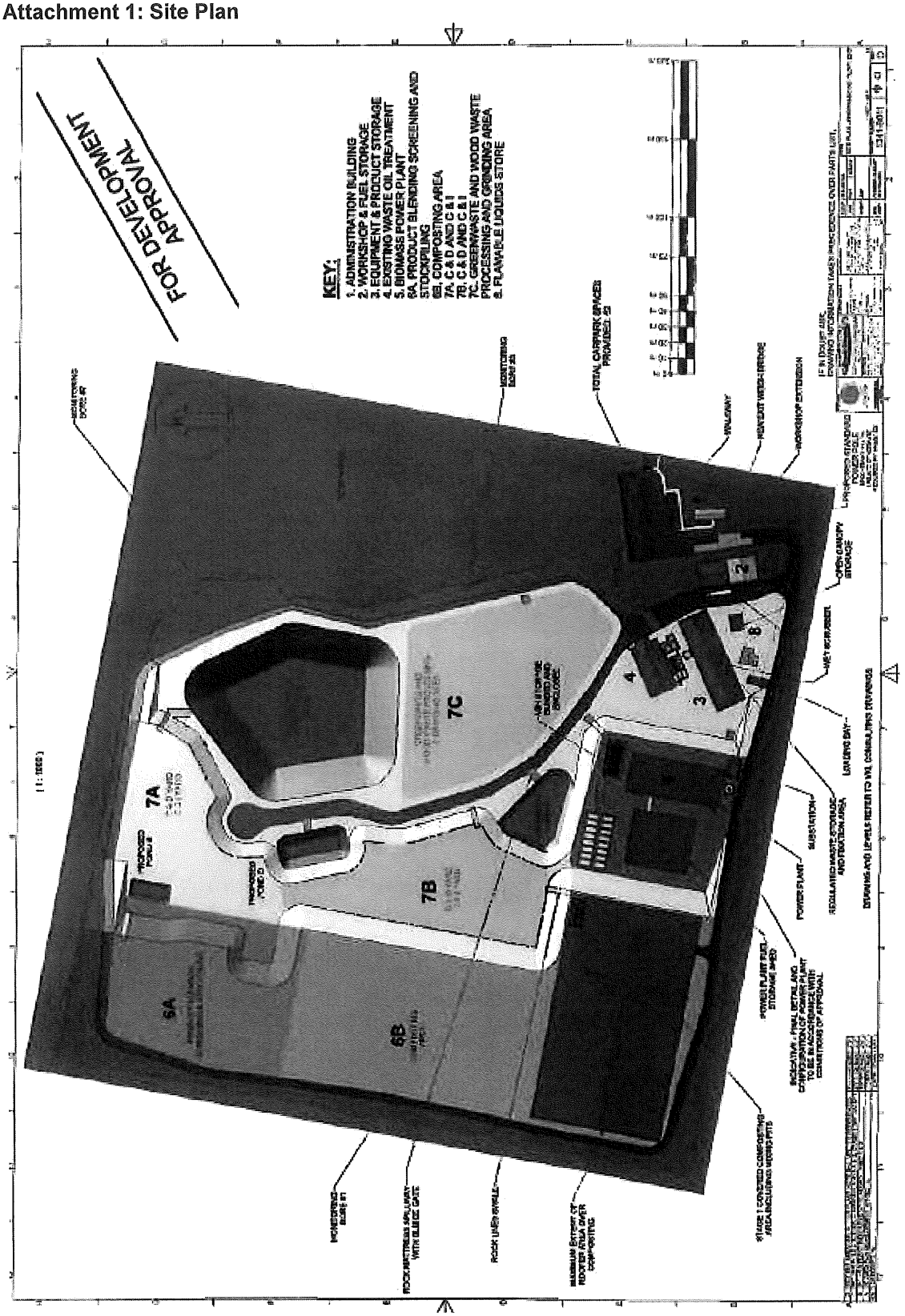
<table>
<tr><td>F2</td><td>Noise from the authorised place must not exceed the levels specified in Table 1 – Noise limit criteria at the nearest noise sensitive place or commercial place.
Table 1 –Noise limit criteria
<table>
<tr><th rowspan="2">Noise level dB(A) measured as</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sundays and public holidays</th></tr>
<tr><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th></tr>
<tr><td colspan="7">Noise measured at a 'Noise sensitive place'</td></tr>
<tr><td>$L_{Aeq, adj\ 1\ hour}$</td><td>52</td><td>37</td><td>31</td><td>42</td><td>37</td><td>31</td></tr>
<tr><td colspan="7">Noise measured at a 'Commercial place'</td></tr>
<tr><td>$L_{Aeq, adj\ 1\ hour}$</td><td>57</td><td>42</td><td>36</td><td>47</td><td>42</td><td>36</td></tr>
</table></td></tr>
<tr><td>F3</td><td>In the event that the administering authority receives a noise complaint, which in the opinion of an authorised person is deemed not frivolous, vexatious nor based on mistaken belief, noise monitoring must be undertaken within 2 days or as requested by the administering authority to investigate noise nuisance being caused by the development. In the event noise emissions from the approved activity exceed night time noise limits (10pm – 7am) prescribed by Table 1 – Noise limit criteria, the activity(ies) causing the noise nuisance is/are to cease as soon as reasonably practicable until such a time that compliance can be achieved.</td></tr>
<tr><td>F4</td><td>For the purposes of conditions F3, noise monitoring must be done by an appropriately qualified person in accordance with the latest edition of the administering authority's Noise Measurement Manual and include;
a) $L_{Aeq, adj\ 1\ hour}$;
b) L_{A90};
c) The level and frequency of occurrence of impulsive or tonal noise;
d) Atmospheric conditions including wind speed and direction;
e) Location, date and time of measurements;
f) Effects due to extraneous factors such as traffic noise; and
g) Details of measurement instrumentation and measurement procedure.</td></tr>
<tr><td colspan="2">Agency interest: Waste</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>G1</td><td>Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.</td></tr>
<tr><td>G2</td><td>Waste must not be:
(a) burned at the authorised place or removed from the authorised place and burnt elsewhere;
(b) be buried at the authorised place;
(c) be in contact with soil at the authorised place; or
(d) directly or indirectly seep or penetrate into the soil, surface waters or groundwater.</td></tr>
</table>

G3	**Waste Transport** Regulated waste must only be removed from the authorised place by a person that can legally transport this waste under the *Environmental Protection Act 1994.*
G4	The holder of the environmental authority must ensure that only a transporter possessing a current authority under the *Environmental Protection Act 1994* for the transport of specific regulated waste is used for the removal of the regulated waste from the facility.
G5	The administering authority must be made aware as soon as practicable of all relevant facts, matters and circumstances known concerning any unauthorised, improper or unlawful removal and disposal of regulated waste from the authorised place.
G6	**Waste Disposal / Reuse** Regulated waste generated by the operations at the authorised place must only be disposed of at a facility authorised to accept such waste.
G7	**Waste Tracking** The holder of the environmental authority must keep and maintain records for every load of regulated waste received and dispatched at the authorised place and must include the following information: (a) date of acceptance or dispatch; (b) description of waste (including classification under ANZECC code); (c) cross reference to relevant waste transport documentation; (d) quantity of waste; (e) origin or destination of the waste; (f) name of the waste transporter and / or disposal operator that removed the waste; (g) results of analysis; and (h) method of waste treatment, reprocessing, transfer or disposal used (where applicable).
Agency interest: Social	
Condition number	**Condition**
H1	**Complaint Response** The holder of the environmental authority must record the following details for all complaints received and provide this information to the administering authority on request. A record of following information must be kept for a period of three (3) years: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) 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); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) actions taken as a result of the complaint investigation; and (vii) signature of responsible person.

H2	**Public Nuisance** The holder of the environmental authority must: (i) install and operate all works and control equipment, and (ii) take all measures, perform all acts and do all things, necessary to ensure that the carrying out of the ERA(s) does not cause any adverse effect on public amenity or any nuisance.
H3	In the event of any adverse effect upon public amenity and/or any nuisance arising from the conduct of the ERA(s), the holder of the environmental authority must take all reasonable measures and carry out any such works as may be necessary to: (a) abate such adverse effects and such nuisance; and (b) prevent the likelihood of any recurrence of the circumstances which gave rise to such adverse effects and/or such nuisance.

Attachments

Attachment 1: Site Plan



END OF CONDITIONS

Definitions

Key terms and/or phrases used in this document are defined in this section. Applicants should 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.

"administering authority" means the Department of Environment and Heritage Protection or its successor.

"authorised place" means the place authorised (126 Sandy Creek Road, Yatala, QLD 4207 described as Lot 1 on Plan RP158996) to carrying out of the environmentally relevant activities to which this environmental authority relates.

"bg" = background noise level

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

"day" means a business day (Monday to Friday)

"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.

"general waste" means waste other than regulated waste.

"incompatible waste" means - hazardous waste which is unsuitable for (1) placement in a container because it may cause corrosion or decay of the container or inner liner; or (2) commingling with another waste or material under uncontrolled conditions because it might produce heat or pressure, fire or explosion, violent reaction, toxic dusts, mists, fumes or gases, or flammable fumes or gases.

"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.

"$L_{Aeq, adj, 1hr}$" means an A-weighted sound pressure level of a continuous steady sound, adjusted for tonal character that within a 1 hour period has the same mean square sound pressure as a sound level that varies with time.

"$L_{A90, T}$" means an A-weighted sound pressure level, obtained using time-weighting 'F' that is exceeded for 90% of the measuring period (T).

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

"mg/L" means milligrams per litre.

"noise sensitive place". means –

- 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 2004* or a World Heritage Area; or
- a public thoroughfare, park or gardens.

"noxious" means harmful or injurious to health or physical wellbeing.

"NTU" means nephelometric turbidity units.

"nuisance sensitive place" means –

- 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 2004* 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.

"NPI NEPM" means National Environment Protection (National Pollutant Inventory) Measure 1998 made under the *National Environment Protection Council Act 1994* (Cwlth), section 14.

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

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 2008* (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.

"site" means land on which it is proposed to carry out the ERA under this environmental authority.

"**start-up**" means those activities involved in preparing a unit to achieve process conditions.

"**shutdown**" means those activities involved in preparing a unit to be taken off line.

"watercourse" means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

"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.

"works" or "operation" means the development approved under this environmental authority.

"w/w" means w/w measured as weight prior to and after drying at 100 degrees Celsius in an oven or approximately if one drop is liberated from one handful of material being squeezed hand tight.

"you" means the holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

"**Odour Unit (ou)**" means that concentration of odorant(s) at standard conditions that elicits a physiological response from a panel (detection threshold) equivalent to that elicited by one Reference Odour Mass (ROM), evaporated in one cubic metre of neutral gas at standard conditions as measured under AS/NZS-4323.3:2001 - Australian and New Zealand Standard, Stationary source emissions - Determination of odour concentration by dynamic olfactometry.

"**Odour emission rate**" ("ou.m^3/s") means the arithmetic product of the odour concentration of the release of contaminants and the volume rate of discharge (in wet cubic metres per second referred to a temperature of zero degrees Celsius and a pressure of 101.3 kilopascals.

END OF PERMIT