

14-MAR-2014



To: Damien Hocart
Neumann Petroleum Pty Ltd T/A Matilda Fuel
Supplies
116 Gympie Road
STRATHPINE QLD 4500

Department of
**Environment and
Heritage Protection**

Email: damien.hocart@pumaenergy.com

cc. Paul Wood
Future-Plus Environmental
PO Box 1250
BUDDINA QLD 4575

Email: paul@future-plus.com.au

Your reference: EPPR00513813
Our reference: 221905

Application details

I refer to the application that was received by the administering authority on 17-FEB-2014.

Land description: Matilda Curra Lot 3 Plan RP207024.

Decision

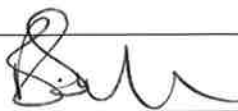
Your application has been approved and your environmental authority (reference EPPR00513813) is attached, including the additional amendments agreed to by Neumann Petroleum Pty Ltd in writing on 28 February 2014.

This permit, granted by EHP, only provides an approval under the *Environmental Protection Act 1994*. You may also require permits / approvals from your local government authority and other State Government agencies. The administering authority has been advised that prior to using water sourced from any bore on site for domestic water supply, you must contact the following local government authority to determine if there are any further approvals or other requirements:

- Gympie Regional Council, 242 Mary Street, Gympie, phone: 1300 307 800

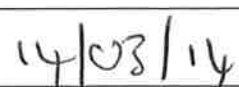
Should you have any further enquiries, please contact Camille Percival on telephone (07) 5459 6125.

Yours sincerely



Signature

Benjamin Sale
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994



Date

Enquiries:
Camille Percival
ESR - Sunshine Coast, Noosa and Gympie
PO Box 362
MAROOCHYDORE QLD 4558
Phone: (07) 5459 6125
Fax: (07) 5459 6190
Email: Camille.Percival@ehp.qld.gov.au

Enclosed

Permit - environmental authority (reference EPPR00513813)

Environmental authority

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

Permit¹ number: EPPR00513813

Environmental authority takes effect on 14 March 2014

The anniversary date of this environmental authority remains the same (25 August). An annual return and the payment of the annual fee which is currently \$1,598.80 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Neumann Petroleum Pty Ltd T/A Matilda Fuel Supplies	c/- Neumann Associate Companies Pty Ltd 13 Nuban Street CURRUMBIN WATERS QLD 4223

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR	Cnr Bruce Highway and David Drive, CURRA QLD 4570, Lot 3 Plan RP207024

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.

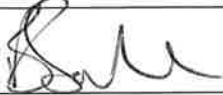
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

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

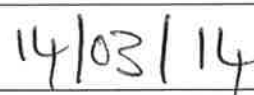
Contaminated land

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.



Signature

Benjamin Sale
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994



Date

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Camille Percival
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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

Location: Cnr Bruce Highway and David Drive, CURRA QLD 4570
Lot 3 Plan RP207024

Relevant activity/ies:

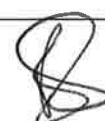
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR

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
G1.	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G2.	The activity must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the activity during routine operations and emergencies; and b) establish control measures that minimise the potential for environmental harm; and c) ensure plant and equipment is maintained and operated in proper and effective condition; and d) ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and e) ensure that reviews of environmental performance are undertaken at least annually.
G3.	All information and records that are required by the conditions of this environmental authority must be kept for a period of at least five years and provided to the administering authority upon request.
G4.	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 contaminant to be released into the environment.
G5.	The holder of the environmental authority must ensure that the operation and maintenance of the sewage treatment and effluent disposal system is carried out by, or under the supervision of, an appropriately qualified person(s) .



G6.	All complaints received by the holder of the environmental authority relating to releases of contaminants from operations at the site must be recorded and kept with the following details: a) Time, date and nature of complaint; and b) Type of communication (telephone, letter, personal, etc.); and 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); and d) Response and investigation undertaken as a result of the complaint; and e) Name of person responsible for investigating the complaint; and f) Action taken as a result of the complaint investigation and signature of responsible person.
G7.	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G8.	The activity must not cause environmental nuisance at a nuisance sensitive place .
Agency interest: Air	
Condition number	Condition
There are no conditions prescribed for Air.	
Agency interest: Water	
Condition number	Condition
There are no conditions prescribed for Water.	
Agency interest: Noise	
Condition number	Condition
There are no conditions prescribed for Noise.	
Agency interest: Waste	
Condition number	Condition
W1.	Other than effluent released to land in accordance with conditions (L1), (L2), (L3), (L4), (L5) and (L6), all waste generated in carrying out the activity must be reused, recycled or lawfully disposed offsite.



Agency interest: Land					
Condition number	Condition				
L1.	The quantities of sewage treatment works effluent and sludge authorised to be disposed of each date from the sewage treatment works are those produced by an equivalent population of 65 persons.				
L2.	The method of disposal of wastewater from the sewage treatment works is to be by surface irrigation, and the irrigation area is to be situated within the 'Surface Irrigation Area 1' (Schedule 1).				
L3.	Treated effluent is permitted to be released to land provided that it is done in accordance with a written procedure that ensures: a) infiltration to groundwater and subsurface flows of contaminants to surface waters are prevented; and b) surface pondage and run-off of effluent is prevented; and c) degradation of soil structure is minimised; and d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and e) spray drift or overspray do not carry beyond effluent disposal areas; and f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and g) the crop on the disposal area is harvested and removed from the disposal area.				
L4.	When weather conditions or soil conditions preclude the release of effluent to land, effluent must be directed to wet weather storage or be lawfully removed from the site.				
L5.	The treated effluent must be evenly distributed over an area stated in Table 1: Table 1 – Irrigation area requirements <table border="1"> <thead> <tr> <th>Maximum Irrigation Rate (mm/day)</th><th>Minimum land required (m²)</th></tr> </thead> <tbody> <tr> <td>2 mm/day</td><td>2,750</td></tr> </tbody> </table>	Maximum Irrigation Rate (mm/day)	Minimum land required (m ²)	2 mm/day	2,750
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2 mm/day	2,750				



L6.	Treated effluent released to land must comply with the limits in Table 2. Table 2 – Contaminant release limits to land <table><tr><th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th></tr><tr><td>Total nitrogen*</td><td>60 mg/L</td><td>Maximum</td></tr><tr><td>Total phosphorus*</td><td>20 mg/L</td><td>Maximum</td></tr><tr><td>Electrical conductivity</td><td>1600µs/cm</td><td>Maximum</td></tr><tr><td>pH</td><td>5.0-8.5</td><td>Range</td></tr><tr><td>Total residual chlorine (if used for disinfection)</td><td>1mg/L</td><td>Maximum</td></tr><tr><td>E.coli</td><td><1000 cfu/100ml</td><td>Maximum</td></tr></table> *note that these limits would typically correspond to long term total nitrogen and total phosphorous concentrations of 30 mg/L and 10 mg/L respectively.	Quality Characteristics	Release Limit	Limit Type	Total nitrogen*	60 mg/L	Maximum	Total phosphorus*	20 mg/L	Maximum	Electrical conductivity	1600µs/cm	Maximum	pH	5.0-8.5	Range	Total residual chlorine (if used for disinfection)	1mg/L	Maximum	E.coli	<1000 cfu/100ml	Maximum
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L7.	Quarterly monitoring of treated effluent must be carried out in accordance with the Monitoring and Sampling Manual 2009 (EHP) to assess compliance with condition (L6) and records of the results maintained.																					
L8.	The irrigation area must not occur within 50 metres of any bore used for domestic water supply.																					
L9.	The irrigation area must not occur within 1000 metres of any bore used for town water supply.																					



Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. 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.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Commercial place means 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.

Environmental harm as defined in Section 14 of the *Environmental Protection Act 1994*.

Environmental nuisance as defined in Section 15 of the *Environmental Protection Act 1994*.

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994*. $L_{Aeq\ adj, T}$ means the adjusted A weighted equivalent continuous sound pressure level **measures** on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than 1 hour when the approved **activity** is causing an intermittent noise.

General waste means waste other than regulated waste.

Landfill unit means a discrete area of land or an excavation that receives solid waste.

Landfill facility means land and structures at the site approved used for the disposal of solid waste.

Liquid means any substance that:

1. has an angle of repose of less than five degrees; or
2. becomes free flowing at or below 60 degrees Celsius or when it is transported; or
3. is not generally capable of being picked up by a spade or shovel.

Measures has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

Minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters:

- a) the nature of the harm or potential harm
- b) the sensitivity of the receiving environment
- c) the current state of technical knowledge for the activity
- d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects
- e) the financial implications of the different measures as they would relate to the type of activity
- f) if the adverse effect is caused by the location of the activity being carrying out, whether it is feasible to carry out the activity at another location.

NATA means National Association of Testing Authorities.



Nuisance sensitive place nuisance sensitive place includes:

- within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises
- within or outside of a motel, hotel or hostel
- within or outside of a kindergarten, school, university or other educational institution
- within or outside of a medical centre or hospital
- within a protected area under the *Nature Conservation Act 1992*, within a marine park under the *Marine Parks Act 1992* or a world heritage area
- within a public thoroughfare, park or gardens
- within or outside of 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.

Noxious means harmful or injurious to health or physical well-being.

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

Prescribed contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Release of a contaminant into the environment means to:

4. deposit, discharge, emit or disturb the contaminant; and
5. cause or allow the contaminant to be deposited, discharged, emitted or disturbed; and
6. fail to prevent the contaminant from being deposited, discharged emitted or disturbed; and
7. allow the contaminant to escape; and
8. fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

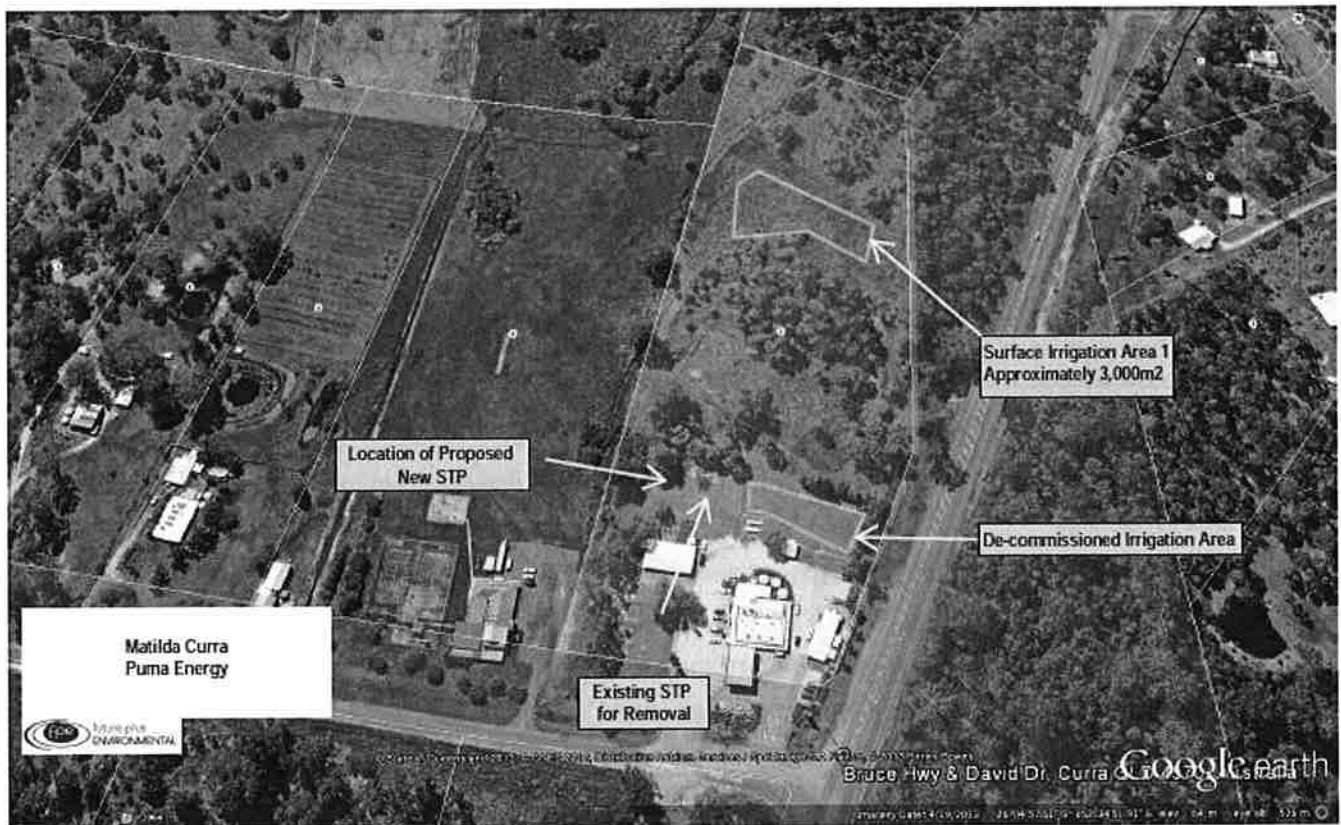
1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
6. a public thoroughfare, park or gardens; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

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.

You means the holder of the environmental authority.



Schedule 1 – Approved Irrigation Area – ‘Surface Irrigation Area 1’



END OF PERMIT