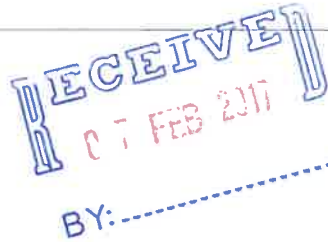


Date >> 30 January 2017



2 DALRYMPLE ROAD  
GARBUTT

PO BOX 1268, TOWNSVILLE  
QUEENSLAND 4810

TELEPHONE >> 1300 878 001

FACSIMILE >> 07 47278781

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www.townsville.qld.gov.au



**Sailwool Pty Ltd, As Trustee For, The Greenbank Road Investment Trust**  
PO Box 85  
REDLYNCH QLD 4870

Dear Sir/Madam,

**RE >> TRADE WASTE APPROVAL>> RRA07/0590**

**Business Name >> Dawsons Engineering Pty Ltd**

**Property Address >> 3-6 Desma Court MOUNT LOUISA QLD 4814**

**Property Number >> 505260**

I am pleased to advise that the Trade Waste Approval for **Dawsons Engineering Pty Ltd** has been approved by Council on **30 January 2017** with conditions for a four year period, the Trade Waste Approval is due for renewal on **30 January 2021**, unless otherwise advised. A copy of your Trade Waste Approval is attached.

This Approval is only valid for the discharge from the trade waste activities specified in the conditions. Should there be any changes in the operations that may affect the Trade Waste Approval, you must contact council as soon as practicable.

Your annual trade waste charges will be based as an estimate of the trade waste volume discharged to sewer.

A discharge factor is used to separate the water consumption that is not discharged (e.g. irrigation, consumption, etc) and was determined as part of our assessment of your application. If you believe that the discharge factor is not reflective of your activities (e.g., there is high irrigation use or domestic consumption), please advise the council.

Please note that you might like to consider installing a trade waste meter to more accurately determine your trade waste volume. Please contact us for more information.

To assist you in maintaining your pre-treatment devices for optimum performance and reduced load to sewer, I have enclosed Townsville Water's fact sheets, for your reference. In particular, I draw your attention to any coolants, such as glycol and its substitutes, which must not be discharged to sewer via your pre-treatment device.



If you have any queries regarding this Approval, please contact council on ☎ 1300 878 001  
or [sourcecontrol@townsville.qld.gov.au](mailto:sourcecontrol@townsville.qld.gov.au).

Yours faithfully,



**GAIL HAMILTON**  
COORDINATOR  
SOURCE CONTROL UNIT



## TRADE WASTE APPROVAL

In accordance with the provisions of the *Water Supply (Safety and Reliability) Act 2008*, Townsville City Council hereby gives approval to **Sailwool Pty Ltd, As Trustee For, The Greenbank Road Investment Trust** ("the Approval Holder") to discharge certain trade waste into Townsville City Council (council) sewerage infrastructure as per the details in Table 1 and subject to the conditions in Appendix A.

**Table 1: Trade Waste Approval**

|                                                         |                                                                       |                                                                                                                                             |            |
|---------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Approval Number                                         | RRA07/0590                                                            |                                                                                                                                             |            |
| Property Number                                         | 505260                                                                |                                                                                                                                             |            |
| Property Address                                        | 3-6 Desma Court MOUNT LOUISA QLD 4814                                 |                                                                                                                                             |            |
| Property Owner                                          | Sailwool Pty Ltd, As Trustee For, The Greenbank Road Investment Trust |                                                                                                                                             |            |
| Property Owner Address                                  | PO Box 85<br>REDLYNCH QLD 4870                                        |                                                                                                                                             |            |
| Business Trading Name                                   | Dawsons Engineering Pty Ltd                                           |                                                                                                                                             |            |
| Onsite Contact for Trade Waste Matters                  | Ken Wells<br>4759 0100                                                |                                                                                                                                             |            |
| Discharge Category                                      | Category 1.2 – Automotive Industry                                    |                                                                                                                                             |            |
| Industry Type                                           | Stan Wshop                                                            | Risk Rating                                                                                                                                 | 5          |
| Period of Approval                                      | 4 Years                                                               | Renewal Date                                                                                                                                | 30/01/2021 |
| Maintenance of Council Approved Pre-treatment Equipment |                                                                       |                                                                                                                                             |            |
| Pre-Treatment Device                                    | Barcode Number                                                        | Service Frequency                                                                                                                           |            |
| Clearmake Oil Water Separator                           | 10744                                                                 | 1) Weekly visual inspection (self-maintenance)<br>2) Clean As Required                                                                      |            |
| 1600L Holding Tank                                      | N/A                                                                   | 3) 26 weeks or more frequently if determined by weekly inspection of the oil separator and holding tank or as directed by a trade inspector |            |
| (600mm x 600mm x 500mm) Silt Trap                       | N/A                                                                   | 4) Weekly Inspections<br>5) Clean As Required                                                                                               |            |
| Trade Waste Charge Provisions                           |                                                                       |                                                                                                                                             |            |
| Discharge Factor                                        | 90                                                                    | Meter/s                                                                                                                                     | 16X002126  |
|                                                         |                                                                       | Pedestals                                                                                                                                   | 4          |



**JEFF MORTON**

ACTING TEAM MANAGER

WASTEWATER OPERATIONS



## APPENDIX A – SCHEDULE OF CONDITIONS

### 1. GENERAL CONDITIONS

- a) This trade waste approval is valid for four (4) years. Discharge of trade waste to the sewer is permitted after the renewal date, and trade waste charges will continue to be levied, unless council or the approval holder advises otherwise. Council may choose not to renew the approval.
- b) The approval cancels and replaces any other trade waste approval previously issued in respect of the discharge from the property.

### 2. TRADE WASTE GENERATING ACTIVITIES

- a) This approval only covers trade waste discharged from the following activities:

**Non-mechanical wash bay**

### 3. TRADE WASTE CHARGES

- a) Trade waste volume charges will be levied each rating period, based on the following measurement of trade waste volume:

$V = [\text{metered water consumption} - (\text{no. of pedestals} * 60 \text{ kL/pedestal})] * \text{discharge factor.}$

### 4. APPROVED PRE-TREATMENT EQUIPMENT

- a) The approved pre-treatment equipment as referenced in Table 1 above is recognised by Council as being installed on the premises to treat trade waste prior to discharge to sewer. The pre-treatment equipment meets the pre-treatment requirements of council, except as otherwise specified by any condition of this approval.
- b) The approval holder is responsible for ensuring the pre-treatment devices are properly operated and maintained in accordance with the manufacturer's guidelines such that it remains in a sanitary and efficient operating condition at all times, and is accessible for the required maintenance.
- c) Presence of oil or excess accumulation of sludge within the separator is an indicator that the holding tank is at its sludge retention. A service of both the separator and holding tank is required.
- d) A maximum accumulation of 200mm of sludge build-up within the holding tank is an indication that the holding tank is at its sludge retention.
- e) The hold tanks must be thoroughly cleaned out at the frequency specified by council, either as part of this approval or as an amendment to this approval.
- f) If the pre-treatment servicing is not undertaken by a preferred Service Contractor, the approval holder must notify council PRIOR to each service event, and council may undertake an inspection after the servicing to assess the adequacy of servicing and to assess the integrity of the pre-treatment equipment. The cost of this inspection will be charged to the approval holder.





- g) Self-servicing / self-maintenance or self-inspection of a pre-treatment device such as an oil/water separator carried out by the business will require a log to be kept on site outlining:
- Date of inspection or service
  - Name of the person performing the inspection/service
  - Details of the work performed
  - Signature
- h) A copy of the waste service documentation applicable to each service of the approved pre-treatment equipment must be kept on site by the discharger for a period of four (4) years. Council may request you to present this documentation at any point during the life of this Approval, failure to produce the documentation for the servicing of the pre-treatment device may result in Council adjusting your service frequency.
- i) Council reserves the right to view copy and/or obtain for evidentiary and auditing purposes service receipts and any other relevant documentation from the Approval Holder and any business owner or manager operating from the property or from any preferred service contractor.

## 5. DISCHARGE

- a) The discharger must not alter or approve the alteration of the practices or service frequency in any way that may lead to changes to the quality of quantity of the discharge, without approval from council.
- b) The concentration of contaminants in the trade waste discharged must be within the sewer admission limits identified in Table 2.

**Table 2 Sewer Admission Limits:**

| Parameter              | Sewer admission limit    |
|------------------------|--------------------------|
| Chemical Oxygen Demand | < 900 mg/L               |
| Suspended solids       | < 400 mg/L               |
| Gross solids           | < 13mm                   |
| Ammonia                | < 100 mg/L               |
| pH                     | Between 6 to 10 pH units |
| Temperature            | < 38° Celsius            |
| Petroleum hydrocarbons | < 30mg/L                 |

## 6. AMENDMENT, CANCELLATION OR SUSPENSION OF TRADE WASTE APPROVAL

- a) As a condition of this approval council reserves the right to impose or amend any condition within this approval where justified to ensure protection of the sewerage system, environmental protection, or public or worker health and safety.



- b) The approval holder must notify council in writing of the intent to cease the discharge of trade waste to Council's sewer. Trade waste charges will apply until written notification is received by council.
- c) Under the *Water Supply (Safety and Reliability) Act 2008* Part 6 Chapter 2 of Division 5 Sections 182, 183, 184 Council may suspend or cancel a Trade Waste Approval in certain circumstances.

## **7. MONITORING AND ENFORCEMENT ACTION OF A TRADE WASTE APPROVAL**

- a) An Authorised Person of the Townsville City Council may enter your property at any reasonable time under this approval to conduct an inspection to ensure the conditions of this approval are being adhered to or to inspect work required under a notice has been performed.
- b) An Authorised Person must be provided access to your property in order to perform his or her duty regarding the inspection of pre-treatment devices unless the approval holder, property owner or business owner has a reasonable excuse to deny access.
- c) Failure to comply with the conditions outlined within this approval may result in compliance action being taken against the Approval Holder as the responsible person.
- d) Discharging or acting outside these conditions will constitute a breach of your approval and therefore it would be considered that the Approval Holder and/or the Discharger would be discharging without the sewerage service provider's approval.
- e) Such offence may result in enforcement action being taken under but not limited to the following legislation:
  - a. Under the *Water Supply (Safety and Reliability) Act 2008*



### AUTOMOTIVE INDUSTRY

Wastewater from automotive industries can be high in oils and oily sludges which cause problems when discharged to the sewerage system, including:

- The formation of deposits of oily solids, reducing sewer capacity, causing blockages and overflows.
- Generation of volatile compounds in the sewerage network, which is a safety risk for workers.
- Damage to sensitive treatment membranes, resulting in poor effluent quality and costly repairs.
- Damage to pumps from sludgy wastes.

### TRADE WASTE APPROVAL

Any discharge to sewer from a trade waste generating activity requires a Trade Waste Approval.

Trade waste generating activities in the motor trades includes:

- degreasing and washing of engines, gearboxes and automotive parts;
- washing of workshop floors contaminated with hydrocarbons;
- washing of motor vehicles, trucks and heavy machinery;
- rub down and paint scrapings from panel and smash repair shops; and
- waste from flushing of radiators and engine blocks

To make an application, contact the Source Control Unit of Townsville Water on 1300 878 001 or [enquiries@townsville.qld.gov.au](mailto:enquiries@townsville.qld.gov.au). For information about fees and charges associated with trade waste discharge, see the relevant trade waste fact sheet.

### SEWER ADMISSION LIMITS

To protect the sewerage system and worker safety, Townsville Water requires that oily wastewater is pre-treated so that:

- Oils and grease are less 200 mg/L
- Petroleum hydrocarbons are less than 30 mg/L
- Total suspended solids are less than 1000 mg/L
- Chemical oxygen demand (COD) is less than 1500 mg/L

### NOT PERMITTED TO SEWER

Flammable or volatile liquids can cause fires or explosions in sewerage systems, and are a danger to our workers. They cannot be accepted into the sewer system.

Raw or depleted degreasing substances or baths of detergent cleaners, hydrocarbon cleansers, caustic soda, phenol/cresol solutions, cresylic acid and chlorinated hydrocarbons must not be discharged into sewer as trade waste. These wastes are regulated wastes that must be disposed off-site at a licensed treatment and disposal facility.

Coolant and radiator fluid (glycol) has a particularly high organic strength and is normally not permitted to sewer. Instead, these fluids should be handled and disposed of in the same manner as your waste oils.

Stormwater is not permitted to sewer. All wash bays must be roofed, or bunded with stormwater diversion control. See the trade waste fact sheet for stormwater management.

## HOUSEKEEPING

If detergents are being used in the generation of oily water wastes, then such detergents must be 'Quick Breaking' to rapidly break the emulsion and improve oil separation in the pre-treatment system. Detergents are considered quick breaking if the emulsion breaks (the oil separates from the water) within 30 minutes.

Other housekeeping methods that can be employed to reduce load to sewer include:

- Use dry cleaning methods, such as wiping up spills and sweeping, rather than hosing.
- Use absorbent packs available to soak up oil spills.
- Ensure all equipment is properly cleaned and maintained.
- Don't pour oil down the drain. Ensure that adequate storage is provided for used oil and that a collection program is arranged with an oil recycler.
- Use cleaning products that are low phosphorus and have a pH of 6.5-10.

## PRE-TREATMENT

Trade waste generated by the motor trades industry and any other business where oily waste is generated must be pre-treated using an adequately sized system that is designed for the removal of petroleum oil and silt.

The council preferred oil and silt removal system includes:

- 100L silt trap
- Hold tank (volume equal to or greater than oil separator capacity)
- Non emulsifying pump, sized so as not to exceed oil separator capacity
- Oil Water Separator (coalescing plate or vertical gravity), to be sized according to rate of inflow (see manufacturer's specification)
- Waste oil collection

## MAINTENANCE OF PRE-TREATMENT

Regular cleaning of oil separators is required to ensure effective operation. Council will set the service frequency (period between services) of each oil separator and hold tank as part of the trade waste approval. This is usually every 3 months, but may be more frequent for poor housekeeping. Maintenance should be in accordance with manufacturer's instructions.

Council is to be advised within a month that the service has been completed and of any maintenance issues noted. It is preferred that this advice be provided by service contractors in a monthly spreadsheet. Servicing records (from service agent, waste contractor and/or in-house records) should be kept and made available to trade waste officers when required.

Council recommends that an approved service contractor be used for maintenance of oil water separators. Other service providers may be used, however council may require a trade waste officer to inspect the device immediately after servicing, at the approval holder's expense.

See the attached Oil Separator Maintenance Checklist for guidance.

### OIL/WATER SEPARATOR MAINTENANCE CHECKLIST

#### WEEKLY MAINTENANCE

- » Remove obstructions from the grates and pit such as leaves, rags, plastic bags etc.
- » Inspect the pit to ensure that float switch is working.
- » Inspect the holding tank and remove any floating solids which may block the foot valve and pump.
- » Inspect the oil water separator checking the plate pack is secured to the base of oil separator.
- » Check the filter sock if one is installed and clean with a quick break detergent or replace it if needed.
- » Check the oil skimmer level to see if it is set correctly by manually operating the pump.
- » Check the waste oil collection vessel connected to the oil water separator and empty into a waste oil storage container for collection by a licensed liquid waste transport contractor.
- » Inspect for any damage and correct operation.
- » Inspect pump for leaks.

#### 12 WEEK MAINTENANCE

- » Perform all tasks in Weekly Maintenance.
- » Inspect hold tank and assess whether pump out is required, (depending on service frequency stated in Trade Waste Approval) e.g. high levels of accumulated sludge and oil. Note that failure to pump out hold tank regularly may damage pump and overload oil separator.
- » Manually operate the pump to reduce the volume of wastewater in the holding tank to the lowest level. (Raise the high level float to start the pump (check voltage first))
- » Drain sludge from the oil separator back into the holding tank to be pumped out by licensed liquid waste transport contractor.
- » Remove and clean plate or coil pack with quick break detergents and pressure cleaner.
- » Hose out oil water separator thoroughly back into the hold tank
- » Arrange for a licensed liquid waste transport contractor to pump out all of the wastewater in the holding tank at the completion of the above steps.
- » Reinstall plate/coil pack (anti surge) and secure to oil separator to stop pack from floating.
- » Close sludge valve.
- » Reinstall filter sock if one is fitted.
- » Fill oil separator with clean water.
- » Run on manual to reset oil skimmer level.

#### FOR MORE INFORMATION

☎ 1300 878 001

✉ [enquiries@townsville.qld.gov.au](mailto:enquiries@townsville.qld.gov.au)

🌐 [www.townsville.qld.gov.au](http://www.townsville.qld.gov.au)

**General Maintenance of an Oil/Water Separator**

| Weekly Maintenance |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
|--------------------|------|----------|---------------------|---------------------------|-------------------|------------------|-----------------------------|-------------------------|------------------------|--------------------|--------------|
| Week               | Date | Initials | Clean Grates & Pits | Inspect Pits Float Switch | Inspect Hold Tank | Check Plate Pack | Check and Clean Filter Sock | Check Oil Skimmer Level | Check Waste Oil Vessel | Inspect for damage | Inspect Pump |
| 1                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 2                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 3                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 4                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 5                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 6                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 7                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 8                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 9                  |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 10                 |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |
| 11                 |      |          |                     |                           |                   |                  |                             |                         |                        |                    |              |

**12 Week Maintenance**      **Date:** \_\_\_\_\_ **Contractor:** \_\_\_\_\_

| Lower Hold Tank Level | Separator Sludge to Hold Tank | Remove & Clean Plate or Coil Plate | Hose out Oil/Water Separator | Hold tank Pumped out | Reinstall Plate / Coil Pack | Close Sludge Valve | Fill Separator with Water | Reset Oil Skimmer |
|-----------------------|-------------------------------|------------------------------------|------------------------------|----------------------|-----------------------------|--------------------|---------------------------|-------------------|
|                       |                               |                                    |                              |                      |                             |                    |                           |                   |

Additional Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_