

Annual Review 2021



Site: 14 Rayben Street, Glendenning

Date: 11 January 2022



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1. Overview

This Annual Review has been prepared for the Department of Planning and Environment ('the Department') as required by condition C11 of Development Consent SSD 6767 ('the Consent') for our liquid waste facility located at 14 Rayben Street, Glendenning ('the Site').

2. Development

2.1 Previous Year

Operations

The Site has continued operation of the organics plant in 2021 which involved:

- Storing and treating liquid grease trap waste (K110 type waste) as defined in the Protection of the Environment Operations Act 1997 (POEO Act); and
- Storing liquid food waste (K120 type waste) as defined in the POEO Act for aggregation and transport for beneficial reuse in the cultivation of feed crops on farms in the Sydney region.

The Site has continued operation of the hydrocarbon plant in 2021 which involved:

- Storing used oil (J100 type waste) – including mineral oils unfit for their original intended use, oil filters, transformer fluids (excluding PCB's), waste hydrocarbons for resource recovery, aggregation and transport to re-refining and other facilities for treatment and reuse; and
- Storing industrial oily water (J120 type waste – waste oil / hydrocarbons mixtures / emulsions in water) that has separated from the stored used oil. This resulting waste was then transported to other lawful treatment facilities.

During 2021, JJ's reviewed the operations to identify any potential areas of improvement and/or growth. Following this, JJ's has since commenced discussions with the Department on some changes at the Site. JJ's will continue to liaise with the Department in 2022 to obtain approval of the abovementioned changes.

2.2 Current Year

The Site will continue the storing and/or treatment of K110, K120, J100 and J120 in 2022.

Each year JJ's strive to increase the performance of the Site to provide NSW within an operation which is beneficial for the environment. As identified above, we are currently liaising with the Department on proposed changes at the Site to improve and grow our operations.

Operations Forecast

The below table identifies the amount of waste which was received at the Site in 2021 and our forecasted receipt in 2022.

Material	Approved Annual Limit (Condition A6)	2021 (Actual)	2022 (Forecast)
Liquid organic waste (K110 and K120 waste codes)	62,000 T	23,486,406 L	25,000,000 L
Used oil / industrial oily water (J100 and J120 waste codes)		21,140,900 L	22,000,000 L

Independent Environmental Audit

JJ's commissioned an Independent Environmental Audit as required by condition C9 of the Consent in 2021. A request was submitted to the Department on 3 December 2020 requesting the endorsement of Jackson Environment and Planning Pty Ltd and Air, Noise and Environment Pty Ltd as the independent auditors which was subsequently approved by the Department.

On 11 March 2021, Mr Mark Jackson, Mr Ryan Loemker and Mr Alan Parsons of Jackson Environment and Planning Pty Ltd attended the Site and conducted the onsite portion of the Independent Environmental Audit with the assistance of JJ's.

On 18 February 2021, Mr Samuel Wong of Air, Noise and Environment Pty Ltd attended the Site and conducted the onsite portion of the Independent Environmental Audit with the assistance of JJ's.

As required, the audit reports provided by the auditors were submitted to the Department via upload to the Major Project Portal on 9 April 2021.

Operational Review

As required by condition C12 of the Consent, we will conduct a review of the strategies, plans and programs required under the Consent and made revisions where we consider necessary. The audit process will also be utilised as a mechanism for our operational review through any recommendations and/or areas of improvement identified.

3. Water Treatment and Non-Potable Water Use

Water Treatment

The Site commenced grease trap receipt and treatment in May 2018. The treatment results in the separation of the sludge and water wherein the water is discharged to sewer as authorised by Trade Waste Consent No. 39115 issued by Sydney Water ('the Trade Waste Consent'). Samples of the water are taken by a representative of Sydney Water and analysed. In addition, relationship management meetings are held between Sydney Water and JJ's to discuss the Site's compliance with Sydney Water requirements.

In 2021, Sydney Water identified exceedances of discharge limits under the Trade Waste Consent. JJ's immediately commenced working with Sydney Water and continue to do so, to ensure that the trade waste discharged is compliant. Sydney Water also approved the renewal of the Trade Waste Consent was for a further two (2) years.

JJ's record the daily water discharge amounts through our inventory and estimate a total water discharge of 16,057,486 litres in 2021 in comparison to 16,385,545 litres in 2020.

Non-Potable Water Use

A rainwater collection system is in place at the Site. The water is used in the plant for washdown purposes.

2. Monitoring Results

The Consent includes conditions relating to continual meteorological, waste and noise monitoring.

2.1 Waste Monitoring

JJ's implemented a Waste Monitoring Program at the commencement of the Site operations in accordance with condition B2 of the Consent to monitor the following:

- Quantity, type and source of the waste received on site; and
- Quantity, type and quality of the outputs produced on site.

The Waste Monitoring Program utilises the below records to monitor the abovementioned requirements as per the OEMP:

- *FRM-NSW-ACT-116 Daily Waste Oil Receipt Form;*
- *FRM-NSW-ACT-112 Daily Oily Water Receipt Form;*
- *FRM-NSW-ACT-113 Daily Organic Waste Receipt Form;*
- *FRM-NSW-ACT-114 Treated Grease Trap Sludge Dispatch Form;* and
- *FRM-NSW-ACT-115 Waste Oil Dispatch Form.*

The forms are currently under review to identify any opportunities for improvement and ensure that they reflect the operations and ensure appropriate information is captured and recorded.

In addition to the paper forms, an electronic inventory is maintained to record the amounts of organics and hydrocarbons on site at any one time and to ensure the annual receipt limit is complied with.

2.2 Meteorological Monitoring

The Site has a meteorological station that complies with the requirements in the latest version of the Approved Methods for Sampling of Air Pollutants in New South Wales.

EIS

All possible sources of unacceptable air and odour emissions from activities on the Site that were identified as potential impacts in the EIS have been appropriately mitigated and as such have not been identified as issues during any monitoring.

Where any complaints or concerns were raised, the data from the meteorological station may be utilised to determine compliance.

2.3 Noise Monitoring

Noise monitoring will be conducted in response to valid complaints or at the request of the Secretary.

The Site did not receive any complaints and/or requests from the Department, as such noise monitoring was not conducted in 2021.

Previous Years

The Site did not receive any complaints and/or requests from the Department, as such noise monitoring was not conducted in 2018, 2019 or 2020.

EIS

The EIS identifies potential noise impacts from the Site, however as the Site has not received and/or been provided notification of any noise complaints, we consider that the mitigation measures implemented have been successful.

2.4 Odour Monitoring

The expressed air within the organics plant passes through an activated carbon filter prior to discharge to the atmosphere. In order to ensure that the carbon filter is effective at all times, site personnel conduct odour monitoring and replacement activated carbon is stored on site in the event the filter requires replacement.

The activated carbon has not required replacement since the commencement of operations in May 2018 as odours have not been detected during the odour monitoring or by external parties.

Previous Years

The activated carbon did not require replacement in previous years.

EIS

All possible sources of unacceptable air and odour emissions from activities on the Site that were identified as potential impacts in the EIS have been appropriately mitigated and as such have not been identified as issues during monitoring.

3. Complaints

The Site did not receive any complaints in 2021. This identifies that the Site is operating effectively and control measures in place to mitigate any noise and/or odour are adequate. The Site will continue to closely monitoring results to ensure continued compliance.

4. Compliance

JJ's has complied with the conditions of the Consent in 2021.

5. Trends in Monitoring Data

We have not identified any trends in the monitoring data.

6. Predicted and Actual Impacts

No discrepancies have been identified between the predicated and actual impacts of the Development.

7. Environmental Performance



The Site has not received any complaints from the community and/or regulatory body and has not identified any issues relating to environmental performance. As such, the Site will continue to follow the current internal procedures to ensure meteorological and odour monitoring is conducted. Where the monitoring identifies any issues, the Site in association with HSEQ will conduct an immediate review.



Attachment 1 – Submission of 2020 Annual Review





Post Approval

Proponent Details

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Applying as a company/business?

Yes

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Post Approval Details

Project:

Glendenning Waste Treatment Facility - SSD-6767-PA-5

Name of Document

2020 Annual Review

Related matter

Compliance Report, Annual Review, Audit Report

Type of Document Lodgement

New Document

Description of the document and reason for submission / Overview of changes made to existing documents

Annual review as required.

Applicable Conditions

Schedule	Condition
B	C11

Consultation through the Major Projects portal

Consultation required as part of the preparation of the document?

No

Attachment of Post Approval application

File Name	Category
2020 Annual Review - Glendenning 11.01.21.pdf	Post Approval Document