

Annual Review 2020



Site: 14 Rayben Street, Glendenning

Date: 11 January 2021



Contents

1. Overview	3
2. Development	3
2.1 Previous Year	3
2.2 Current Year	3
3. Water Treatment and Non-Potable Water Use	4
2. Monitoring Results	4
2.1 Waste Monitoring	4
2.2 Meteorological Monitoring.....	4
2.3 Noise Monitoring.....	5
2.4 Odour Monitoring	5
3. Complaints	5
4. Compliance	5
5. Trends in Monitoring Data	5
6. Predicted and Actual Impacts.....	5
7. Environmental Performance	5
Attachment 1 – Submission of 2019 Annual Review	7



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 2020 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 2020 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.

On 25 August 2020, the Consent was amended to remove the waste sub-limits for organics and hydrocarbon waste received at the Site. The Consent now authorises the receipt of 62,000T per calendar year of K110, K120, J100 and J120 with no sub-limits.

2.2 Current Year

The Site will continue the storing and/or treatment of K110, K120, J100 and J120 in 2021.

Each year JJ's strive to increase the performance of the Site to provide NSW within an operation which is beneficial for the environment. This year we forecast that the acceptance of both organics and hydrocarbons will increase from the previous year, however, at all times, remain in compliance with condition A6 of the Consent.

Operations Forecast

The below table identifies the amount of waste which was received at the Site in 2020 and our forecasted receipt in 2021. We consider that changes to the Consent made in 2020 were required to ensure the Site can meet the demand of the NSW waste industry through the receipt and processing of used oil/industrial oily water (J100 and J120).

Material	Approved Annual Limit (Condition A6)	2020 (Actual)	2021 (Forecast)
Liquid organic waste (K110 and K120 waste codes)	62,000 T	23,748,220 L	25,000,000 L
Used oil / industrial oily water (J100 and J120 waste codes)		22,051,620 L	23,000,000 L

Independent Environmental Audit

JJ's will commission an Independent Environmental Audit as required by condition C9 of the Consent this year. 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.

As experts within the field, we propose to utilise Air, Noise and Environment Pty Ltd to conduct the odour audit as required by condition C9(d). Jackson Environment and Planning Pty Ltd will conduct the remainder of the audit as per the requirements of condition C9.

As required, an audit report will be submitted to the Department within three (3) months of commissioning. During the audit, we will liaise with the relevant auditors to review any recommendations and/or areas of improvement which are identified through the audit process.

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 to ensure compliance with the Trade Waste Consent. In addition, relationship management meetings are held between Sydney Water and JJ Richards to discuss the Site's compliance with Sydney Water requirements. Sydney Water are satisfied that the Site has been operating in compliance with the Trade Waste Consent.

JJ's record the daily water discharge amounts through our inventory and estimate a total water discharge of 16,385,545 litres in 2020 in comparison to 18,405,441 litres in 2019.

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 have been reviewed and amended following the 2020 annual review to reflect the operations and ensure appropriate information is captured and recorded. JJ's notified the Department of the amendments made to the Operational Environmental Management Plan (OEMP) and the updated forms.

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 2020.

Previous Years

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

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 2020. 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 2020.

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 2019 Annual Review

Attach Documents

Actions

Attach Documents

Submit Documents to the Department

Upload the document you are submitting to the Department by attaching it below.

Your document must include a section on how the matters raised during any consultation have been addressed.

If you are submitting a revised document for approval, you must upload a tracked changes version in addition to an unmarked version.

Attachments

Annual Review - Glendenning 100120
SSD-6767-PA-1 | Post Approval Document | Amiee Hanna

Add Attachment

Details	Resources
Current Stage	
<input checked="" type="checkbox"/>	Initiate
<input type="checkbox"/>	Lodge
<input type="checkbox"/>	Check
<input type="checkbox"/>	Assessment
<input type="checkbox"/>	Determination
<input checked="" type="checkbox"/>	Close
Related Projects	
State Significant Development (SSD-6767) Resolved-Completed (Major Project)	