

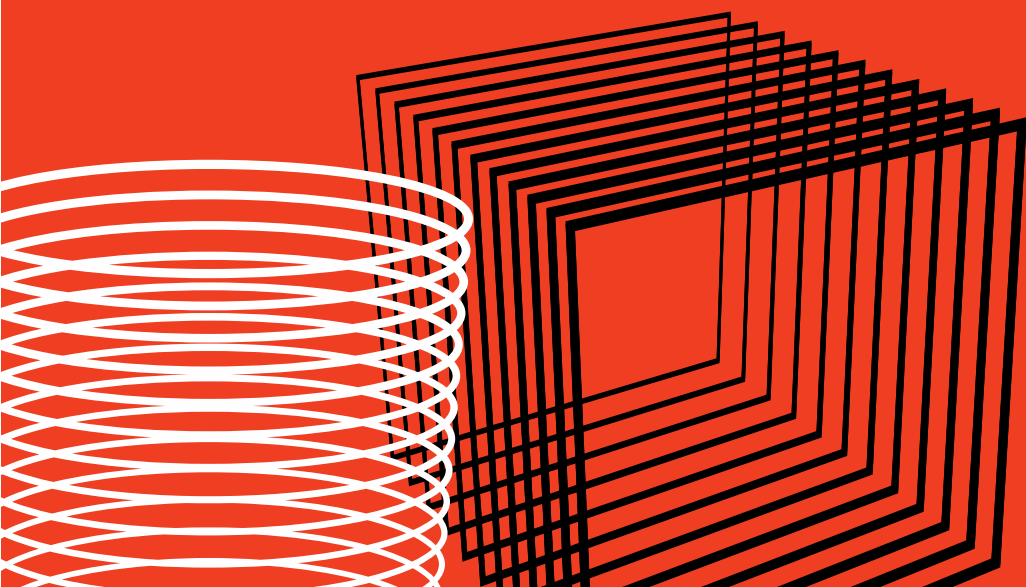


**Orora Botany Mill**

**DA 05\_0120**

**Annual Environmental  
Monitoring Report**

**July 2017 – June 2018**



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## **1 Introduction**

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As per the ongoing requirement of Development Approval 05\_0120, this Orora submission covers condition 34: the Annual Environmental Monitoring Report (AEMR).

This AEMR details environmental performance and works carried out during the 12 month reporting period from July 2017 to June 2018.

## **2 Description of Works**

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### **2.1 Works Conducted**

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The noise wall construction was completed in October 2017, with the demolition of the B7 main building completed in April 2018.

Construction works for the secondary water treatment plant were completed in October 2017 under Modification 6. Commissioning for its operation was finalised in June 2018.

### **2.2 Works Planned for the next reporting period**

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An application for an extension to the Noise wall will be submitted. This will allow for the completion of the demolition of the B7 reel store.

## **3 Environmental Performance**

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### **3.1 Community Complaints**

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During the reporting period, B9 received 20 complaints via the Orora Environment Hotline and the EPA.

These complaints were divided between the following categories:

- Noise: 4 complaints
- Odour: 14 complaints
- Trees: 1 complaints
- Other: 1 complaints

The four noise complaints were for two incidents: one due to venting steam, and the second as a result of blocked aeration tank blowers. Both were fixed before the complaints were received.

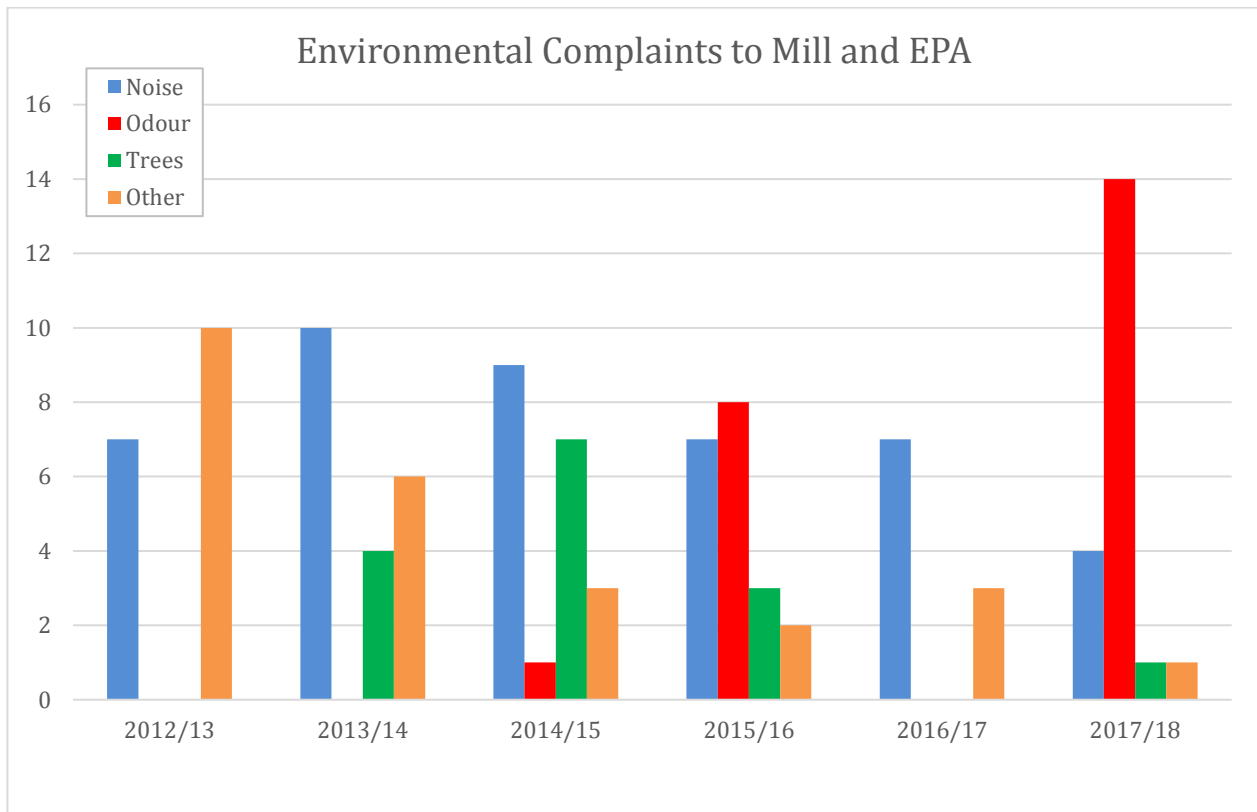
Twelve of the 14 odour complaints were received in 2018, and were directly related to the commissioning of the secondary water treatment plant and biogas releases through the safety relief valves. These were in relation to the flare tripping and biogas scrubber pressure issues. All issues were rectified at the time they occurred.

Two other odour complaints were received, one via the Orora hotline, and the other via the EPA. Both were from the same weekend and appear to be from the same residential address, but could not be related to any event on site.

The complaint for trees was for tree roots on one of Orora’s offsite bore water properties blocking a neighbouring properties water lines. A plumber was sent to the property to clear the lines.

One “other” contact was received when a demolition company working on a site in Raymond Avenue, Matraville, damaged the Orora mill effluent pipe. This incident is further detailed in section 3.4.

**Figure 1: Historical Complaints Data**



### **3.2 Community Liaison group meetings**

Community Liaison group meetings were held on a 4-monthly basis during the reporting period on the following dates:

- October 24<sup>th</sup>, 2017
- March 7<sup>th</sup>, 2018
- June 27<sup>th</sup>, 2018

Information relating to progression of works, production performance and environmental complaints were presented and discussed.

Minutes from each meeting have been posted on the Orora website [www.ororagroup.com](http://www.ororagroup.com)

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### **3.3 Community Notifications**

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Three community update flyers were sent to neighbouring residences in August and November 2017 and April 2018.

The flyers detailed the following works on site:

- Construction of the noise wall
- B7 demolition progress
- Construction and commissioning of the secondary water treatment plant
- Plans for the extension of the noise wall and demolition of the B7 reel store.

Community update flyers are also posted on the Orora website [www.ororagroup.com](http://www.ororagroup.com)

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### **3.4 Environmental Incidents**

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One report was made to the NSW EPA when a demolition worker from a third party damaged an Orora-owned offsite sewer line running behind a property in Raymond Avenue, Matraville, causing treated effluent to spill into the nearby stormwater drain on March 13<sup>th</sup>, 2018. Orora contained the spill and fixed the pipe. The incident was reported to the NSW EPA via phone, and followed up with a written report.

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### **3.5 Noise Monitoring**

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Noise monitoring, as required by the Botany Mill Environmental Protection Licence (EPL) was conducted on a quarterly basis during the reporting period. These noise monitoring reports can be found on the Orora website: [www.ororagroup.com.au](http://www.ororagroup.com.au).

Noise contribution from the site was found to be compliant.

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### **3.6 Water Use**

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B9 currently has the following water access licence (WAL) and Approval for extracting groundwater:

- WAL 36382
- Approval 10WA118709

Usage for the reporting period was within licence limits.

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### **3.7 Sydney Water Trade Waste**

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The Sydney Water Consent to Discharge Industrial Trade Wastewater was updated in October 2017 to incorporate the upgraded water treatment plant on site.

Eight-day effluent testing was performed, with results sent to Sydney Water as per the Consent to Discharge Industrial Trade Wastewater.

### 3.8 NSW EPA Environmental Protection Licence (EPL)

The Annual return for the Botany Mill EPL 1594 was submitted in April 2018 as required. All conditions of the licence were compliant.

### 3.9 Traffic

There has been no change to traffic volumes since last reported in 2015/16.

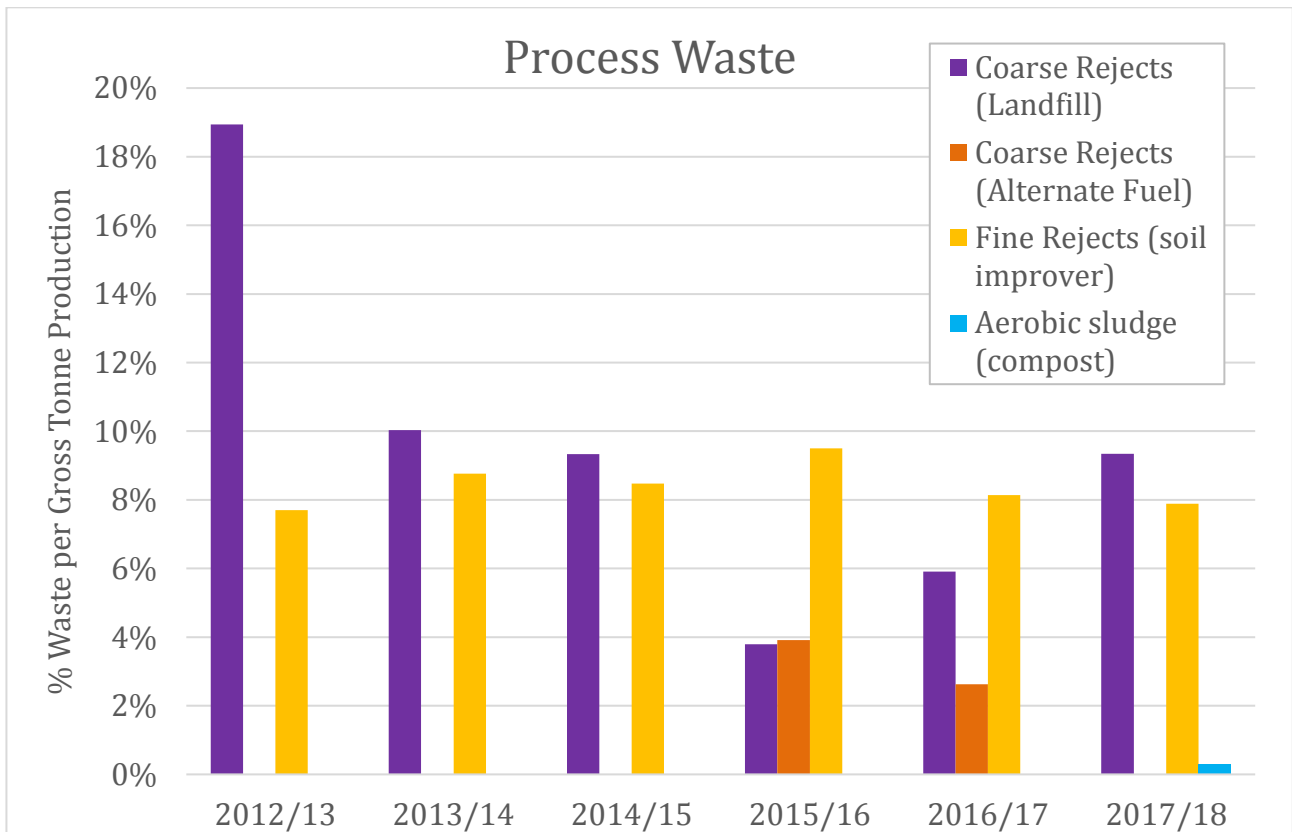
### 3.10 Waste

Operational Wastes differed from those predicted in the Operational Waste Management Plan as was submitted in 2012.

**Table 1: Comparison of predicted and actual waste generation.**

Waste	Waste Management Plan	Current Performance	Management
Coarse Rejects	28,000 T	39,300 T	Landfill
Fine Rejects	11,000 T	33,200 T	Re-use as Soil improver under EPA exemption
Aerobic Biomass	Not listed	1,300 T	Composting facility
Waste Oil	10,000 L	32,200 L	Recycled
Scrap Metal	10 T	5 T	Recycled

Aerobic biomass is a new waste generated by the secondary water treatment plant as per Approval 05\_0120 Mod 6. Orora is currently in the process of applying for a Resource Recovery Exemption and Order for the biomass to be used as a soil amendment material, however it is currently being taken to a licenced composting facility.



**Figure 2: Historical Process Waste Data**

The demolition work on the old B7 building generated the following wastes:

Waste	Tonnes Generated	Management
Rubble	3534	Recycled
Metal	2764	Recycled
General Solid Waste	230	Landfill

96% of the demolition waste was recycled. The “Rubble” consisted of bricks and concrete. This material was crushed and screened to produce alternatives to quarry products.