

23 April 2021

Department of Planning, Industry and Environment
Attention: Emma Barnet
Via email: emma.barnet@planning.nsw.gov.au

Dear Ms Barnet,

**State Significant Development Application Ingleburn Resource Recovery Facility (SSD8593)
– Amendment Application under Cl.55 of the *Environmental Planning and Assessment Regulation, 2000***

The Ingleburn Resource Recovery Facility operates from premises at 16 Kerr Road, Ingleburn, NSW. In May 2019, State Significant Development Application 8593 (**SSD8593**) was lodged at the Department of Planning, Industry and Environment (**DPIE**). The SSD proposed the following development at the existing Facility:

- Increase in the volumes of waste that can be processed on site from a maximum of 30,000 tonnes per annum to a maximum of 225,000 tonnes per annum of liquid and solid waste.
- Storage of up to 30,000 tonnes of waste and / or waste for transfer at any one time.
- Variation in the waste types that can be accepted on site.
- Solid waste processing including screening, crushing and PASS/ASS treatment.
- Processing of liquid waste streams including oily water, grease, sewer, silt and debris.
- Solid and liquid waste transfer.
- 24 hour operation of liquid and muddy waste processes.
- Extended operation of concrete batching from 3am.
- Installation of new concrete batching structure and equipment to facilitate the currently approved production of 50,000 tonnes per annum of concrete.

The SSD was placed on exhibition and relevant Agencies were notified and requested to provide commentary on the potential impacts of the Proposal. Post exhibition, a series of discussions and negotiations were carried out between DPIE and the proponent.

Consequent to these negotiations it is proposed to amend the Application under Cl.55 of the *Environmental Planning and Assessment Regulation, 2000*. The amended proposal is to include:

- the acceptance and processing of 125,000 tonnes per annum of liquid waste excluding asbestos containing liquid.
- the storage of 5,100 tonnes of liquid waste and liquid waste by-products at any one time.
- installation of a second weighbridge.

- use of the unauthorised internal three storey office.
- upgrade of the stormwater system to include 120 KL harvesting/settling tank.
- 24 hour operations with heavy vehicles movements limited to 7 am to 10 pm except during emergencies where liquid waste would be accepted overnight.
- storage bays SB9 to SB14 and SB16 to SB19 for the storage of liquid waste by products only.

Table 1: Approximate Quantities for total Proposed Liquid Waste Streams (currently approved + as proposed in this Amended SSD).

Liquid Waste Stream	Estimated quantity per annum @125,000 tpa processing capacity	Estimated Percentage @ 125,000 tpa processing capacity	IN/OUT
Drilling Mud	17,500	14%	IN
NDD	56,250	45%	IN
Stormwater	11,250	9%	IN
Concrete slurry	6,250	5%	IN
Oily water	6,250	5%	IN
Industrial wastewater	5,000	4%	IN
Sewage sludge	5,000	4%	IN
Groundwater	5,000	4%	IN
Leachate	3,750	3%	IN
Firewater	8,750	7%	IN
Discharge to sewer	15,500	12.4%	OUT
Water reuse on site	90,000	72%	OUT
Concrete block (part of)	15,000	12%	OUT
Transported off site as solids	4,500	3.6%	OUT
TOTAL Input	125,000	100%	
TOTAL Output	125,000	100%	

Note 1: The above quantities are estimates only and they may vary depending on projects and market.

Note 2: The materials transported off site which has been included in the assessments (I.e. noise and traffic) have been increased significantly to ensure that the worst case scenario has been considered in the assessments. This means that in the case that the processed materials can not be re-used on site, there are provisions for that material to be transported off site.

Table 2: List of Approved and Proposed Activities and Wastes types and streams

Existing Approved Activities (i.e. Development Consent, L&E Court Decisions, EPA licence)	Proposed Additional Activities
<ul style="list-style-type: none"> ➤ Waste processing (non-thermal treatment) ➤ Resource recovery ➤ Waste storage ➤ Concrete batching ➤ Concrete works/Masonry plant 	Nil

Existing Approved Wastes (i.e. Development Consent, L&E Court Decisions, EPA licence)	Proposed Additional Wastes
<p>Liquid Waste:</p> <ul style="list-style-type: none"> • Drilling mud, • Non-destructive digging waste, • Stormwater contaminated with gross pollutants <p>Concrete:</p> <ul style="list-style-type: none"> • Concrete washout from concrete batch plants, • Residual batch concrete from agitator trucks <p>Building and demolition waste:</p> <ul style="list-style-type: none"> • As defined in Schedule 1 of the POEO Act, as in force from time to time <p>General solid waste (non-putrescible):</p> <ul style="list-style-type: none"> • Municipal waste, being waste consisting of household domestic recycling waste that is set aside for kerb side collection or delivered by the householder directly to the waste facility (e.g. glass, plastic, cardboard, paper, aluminium, steel), or commercial waste of the same nature <p>General or Specific exempted waste (not resource recovery):</p> <ul style="list-style-type: none"> • Being treated drilling mud, • Processed foundry sand, • Basalt fines, • Reclaimed asphalt pavement, • Excavated public road materials, • Recovered aggregate, • Recovered fines (continuous and batch), • Recovered glass sand, • Recovered railway ballast, • Slag (blast -furnace, electric arc furnace, electric arc furnace ladle, electric arc welding, steel furnace) <p>Soils (not resource recovery):</p> <ul style="list-style-type: none"> • Soil that meets the General Solid Waste Classification (assessed against the CT1 thresholds, Table 1) of the Waste Classification Guidelines as in force from time to time with exception of the maximum threshold values for contaminants specified in the “Other 	<p>Liquid waste (Waste processing (non-thermal treatment), Resource recovery and Waste storage):</p> <ul style="list-style-type: none"> • Oily water, • Industrial wastewater, • Sewage sludge and residues, • Leachate, • Groundwater, • Firewater <p><u>No additional solid waste types, streams or quantities are proposed.</u></p>

<p>Limits" column</p> <p>Virgin excavated natural materials (not resource recovery):</p> <ul style="list-style-type: none">• As defined in Schedule of the POEO Act, as in force from time to time <p>Soils (Waste storage only): Soil that meets the Restricted Solid Waste Classification (assessed against the CT2 thresholds, Table 1) of the Waste Classification Guidelines as in force from time to time</p>	
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As per previous S.55 Amendment applications for this SSD, these amendments have all been generated out of negotiations and consequent requests from DPIE. They represent a substantial decrease in the quantities and types of waste streams to be delivered to and treated at the site. Correspondingly, the SSD as amended by this application will result in further decreased impacts on the environment, improved management of hazards and more efficient management of traffic generated by the amended operation. The overall impacts on the environment resulting from implementation of the amended proposal will be decreased.

On this basis, we recommend that the above described amendments to SSD8593 be received and accepted by the Minister and the amended application be determined by Approval.

Yours sincerely,



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