

Proposed Resource Recovery Facility Expansion Economy Waste Group Fact Sheet

About The Development

Economy Waste Group Pty Ltd are proposing to upgrade and expand their existing Resource Recovery Facility at 30 Nells Rd, West Gosford to better service the recycling needs of builders and developers on the Central Coast of NSW.

The Proposal will involve an increase in the operating area of the facility, to include adjacent land located at 38 Nells Rd, West Gosford, with numerous site upgrades to ensure that the facility is designed to meet environmental best practice.

All waste receipt and sorting activities are proposed to be carried out in a building. Upgrades to the facility will help reduce or minimise impacts on noise, air quality and traffic.

The Proposal will create 20 new full time jobs, helping to support local employment and economic growth within the region.

The Proposal will include the following key elements:

- Expand the recycling capacity of the site from 30,000 tonnes per annum to 100,000 tonnes per annum during Stage 1 and up to 200,000 tonnes per annum during Stage 2; and
- Increase the operating hours to receive wastes by one hour in the morning during weekdays and extend the operations by two hours on a Saturday, with loadout and transport of sorted materials or residual waste 24 hrs 7 days a week (at off-peak times).

What will the facility look like?

The facility will operate within the existing footprint. However, the facility will operate as a well-managed landscape supplies facility and will be aesthetically pleasing in appearance.

Who is assessing the application?

The development application will be assessed by the NSW Minister of Planning.

Current Status Of The Project

Economy Waste Group's Resource Recovery Facility operates under development consent DA10452/2000 and DA50257/2016.

With increasing demand for building waste recycling services, this existing facility is well placed to service the recycling needs of the Central Coast region.

Why is the project being proposed?

The Proposal will involve efficient use of the existing site and align their operations with environmental best practice. Site upgrades in Stage 1 will include:

- An increase in the operating area of the facility from 7,890 m² (30 Nells Rd) to 24,570 m² (30 and 38 Nells Rd combined);
- Both 30 and 38 Nells Rd will be operated as one integrated operation;
- Construct new sliding gated site entry at 38 Nells Rd, for security;
- Remove gate at site entry to 30 Nells Rd;
- Construct a new 20m above ground weighbridge and adjoining office along the entry to 38 Nells Rd;
- Construct a new above ground wheel wash at the end of the weighbridge;
- Construct new car park for staff and visitors, near the site entry at 38 Nells Rd;

- Construction of new levels across 38 Nells Rd to integrate with the 30 Nells Rd site;
 - Construction of a three-sided building (referred to as the Tip and Spread Building) and handstand for the waste inspection operations (tip and spread) and primary sorting. The shed will contain bins for non-compliant waste. A series of skip bins for sorted waste materials will be provided in the building. The building will be fitted with a ceiling mounted misting system for dust suppression;
 - Installation of a 100 kW solar collection array on the roof of the Tip and Spread Building to supply the plant with clean electricity and off-set grid electricity requirements;
 - Installation of a conveyor from the Tip and Spread Building directly into the input hopper of the existing waste sorting plant to improve operational efficiency;
 - Skip bin storage area on a concrete hardstand towards the northern boundary of 38 Nells Rd;
 - The existing outdoor processing area on 30 Nells Rd will be converted into a Timber Shredding and Product Manufacturing Area, supported by a series of concrete block storage bays for aggregates, mulches and soils around the perimeter. Product blending and mixing, including timber shredding, will occur in the central area of 30 Nells Rd. Product storage bays will be provided with a concrete hardstand and bay mounted sprinklers for dust suppression;
 - Upgrades to the on-site stormwater detention system on 30 Nells Rd, including the provision of a series of below ground gross pollutant traps to improve stormwater quality;
 - Provision of below ground storage of stormwater runoff, an aboveground membrane filtration plant with UV-disinfection and a below ground clean water storage for re-use of water for dust suppression across the site;
 - Sealing of the operational pad of the Timber Shredding and concrete Crushing area with a geotextile membrane overlaid with road base to provide a flexible handstand and to protect underlying soils;
 - Construction of a concreted internal access road along the eastern side of 30 Nells Rd connecting to 38 Nells Rd;
 - Construction of a series of concrete block storage bays with a concrete floor along the perimeter of 38 Nells Rd for the storage of manufactured aggregates, soils, mulches and landscape supplies. Bays are to be provided with bay mounted sprinklers for dust suppression. This area is the Product Load Out area;
 - Sealing of the operational pad of the Load Out Area with a geotextile membrane overlaid with road base to provide a flexible handstand and to protect underlying soils;
 - Installation of a site office with lunchroom and staff amenities;
 - A dedicated area for manufacturing of concrete gravity blocks; and
 - Upgrades to the perimeter landscaping around 30 Nells Rd and 38 Nells Rd.
- The following construction works will be required as part of Stage 2 to enable recycling to increase above 100,000 tonnes per annum:
- Sealing of all operational areas with a heavy-duty concrete hardstand;
 - Installation of a second 20m above ground outbound weigh-bridge to improve traffic flow and efficiency across the site; and
 - Construction of an awning over the outdoor elements of the existing waste sorting plant located on the existing site at 30 Nells Rd. This will provide all weather protection for the existing waste sorting plant.
- The efficient use of the current site will avoid the need to establish a new facility to cater to the growing need for recovering resources from building wastes.

How will the project benefit the local community?

The Economy Waste Group Resource Recovery Facility will provide cost effective recycling services for builders and the community, creating jobs and will help in reducing our dependence on landfills.



Will neighbours or residents be affected?

The impact from the operations will be minimal on neighbouring industrial businesses, as acoustic walls will be constructed, and appropriate measures will be implemented.

A detailed Environmental Impact Statement is currently being prepared to evaluate in detail how the Proposal will impact traffic and access, hazards and risks, noise, air quality, hydrology, soils and water, waste, biodiversity, heritage and visual amenity issues.

The development will result in increased traffic movements. However, appropriate measures and management plans will be designed and implemented.

Parking and vehicle turning paths will also be assessed. The largest vehicle expected on site is a 19 m Truck and Dog.

A noise and vibration assessment, including noise modelling, is being conducted to assess relative increase in the noise levels of surrounding environment.

An air quality assessment will be conducted to assess dust and odour impacts on the surrounding environment.

Will smelly or hazardous wastes be received?

No. The site does not receive any odorous or hazardous waste on site.

All receipt activities will be in the Tip & Spread Building and load out areas will be directly from the bays.

No other materials will be accepted on-site. Hazardous materials will be immediately sent off-site to a licensed disposal facility.

How will the local environment be protected?

Economy Waste Group's Proposal will include the following controls to protect the environment:

- ✔ Acoustic walls along the perimeter to reduce noise impact;
- ✔ Tip & Spread Building to be provided with dust suppression during tipping;
- ✔ Sorting of materials received onsite will be separated inside the shed to reduce noise and dust impacts of the operations. Dust control systems are installed in the shed compliant with the NSW EPA requirements;
- ✔ Firefighting equipment and systems are installed to comply with the NSW Fire and Rescue guidelines;
- ✔ Use water sensitive urban design features to reduce peak hydraulic flows;
- ✔ Stormwater runoff will be captured, treated and re-used;
- ✔ Full dust suppression system installed across all processing and product storage areas; and
- ✔ Regular maintenance of all hard surfaces;
- ✔ On-site stormwater and erosion control measures will ensure that all stormwater is captured, treated and (where possible) reused on-site; and
- ✔ Hardstand areas will be constructed on site to mitigate the risk of leachate from operational activities. Road base hardstand with a geotextile fabric underlay is proposed during Stage 1 and concreted surface is proposed during Stage 2 of the operations to provide appropriate levels of protection to the groundwater.

Want More Information?

A detailed scoping report is available from the JEP Environment & Planning website.

How Can I Provide Feedback?

You can provide your feedback about our proposed development by contacting JEP Environment & Planning.



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We greatly appreciate your feedback on this project which will benefit both the environment and the local economy.

<https://www.jacksonenvironment.com.au>.

