

Proposed Alterations and Additions to an Existing Tyre Recycling Facility

Fact Sheet

About the Development

Green Distillation Technologies Pty Ltd (GDT) proposes alterations and additions to its existing tyre recycling facility at 8161 Oxley Highway, Warren NSW 2824.

The existing facility is approved to process up to 5,000 tonnes of end-of-life tyres per annum and convert them into reusable products including oil, carbon and steel. The Proposal seeks to increase processing capacity to 25,000 tonnes per annum through the installation of additional processing infrastructure and supporting facilities.

The Proposal also includes an increase in on-site storage from 50 tonnes to 1,000 tonnes of tyres, up to 750 tonnes of recovered carbon, 400 tonnes of recovered steel, and approximately 180,000 litres of recovered oil to support the expanded operation and improve operational efficiency.

Key features of the Proposal

The Proposal includes the following components and infrastructure:

- Installation and operation of five (5) additional distillation modules to increase processing capacity;
- Construction of a new administration building, including staff amenities, parking and an on-site wastewater treatment system;
- Installation of additional water storage infrastructure to support operational efficiency and fire protection;
- Expansion of oil handling infrastructure, including four (4) additional above-ground storage tanks, increasing total storage capacity to approximately 180,000 litres;
- Construction of a carbon and wire separation shed to streamline processing;
- Construction of dedicated storage buildings for carbon and steel by-products;
- Installation of bunding to hazardous material storage areas;
- Expansion of the cooling (water) system to support increased throughput;
- Upgrades to nitrogen generation and storage systems;
- Construction of an upgraded electrical control room;

- Installation of a weighbridge to improve site logistics;
- Sealing and extension of internal hardstand access roads and operational areas to support the expanded facility layout and vehicle movements; and
- Implementation of additional stormwater management infrastructure.

Current status of the Proposal

The Secretary's Environmental Assessment Requirements (SEARs 2050) were issued by the Department of Planning, Housing and Infrastructure on 18 December 2025.

GDT is currently preparing an Environmental Impact Statement (EIS) and Development Application. Community feedback received during consultation will be considered in the preparation of the application and supporting environmental assessments.

Why is the project being proposed?

The Proposal aims to increase regional tyre recycling capacity and support NSW waste and circular economy objectives.

The expansion will enable the recovery of greater quantities of reusable oil, carbon and steel products while reducing reliance on landfill disposal.

The Proposal supports the NSW Waste and Sustainable Materials Strategy 2041 and broader circular economy objectives by transforming end-of-life tyres into valuable industrial resources.

Will neighbours or residents be affected?

The site is located within an established industrial area adjacent to the Ewenmar Waste Depot.

There are 12 dwellings located within a 2.5 km radius of the site, with the nearest dwelling approximately 750 metres from the site. Detailed technical assessments will be undertaken as part of the EIS to assess potential impacts associated with noise, air quality, traffic, hazards and visual amenity.

Mitigation measures will be implemented to minimise potential impacts and ensure compliance with relevant environmental standards and regulatory requirements.

How will the local environment be protected?

The proposed expansion will implement best-practice environmental management measures. The facility will incorporate a closed-loop water cooling and treatment system that recycles water within the process, reducing overall water consumption and minimising wastewater generation.

Additional stormwater management infrastructure will be installed to capture and manage runoff from operational areas, while bunded storage areas will be provided around oil tanks and hazardous materials to prevent spills and protect surrounding soil and water resources. The Proposal also includes dedicated enclosed storage buildings for carbon and steel products to reduce dust generation and improve site management, together with additional water storage and fire protection infrastructure to support emergency response requirements.

A range of environmental assessments will be undertaken to ensure potential environmental impacts are avoided, managed and mitigated. The assessments will include: land contamination; hazards and risks; fire and bushfire; soil and water, including stormwater, groundwater and wastewater management; air quality, including greenhouse gas and climate change; traffic and transport; noise and vibration; human health risk; and visual impacts.

How will the project benefit the local community?

The Proposal will provide significant environmental and economic benefits for the Warren region and broader NSW community.

The Proposal will:

- Increase regional tyre recycling capacity;
- Support NSW circular economy objectives;
- Reduce waste sent to landfill;
- Produce valuable reusable products including oil, carbon and steel;
- Create approximately 10 construction jobs; and
- Create approximately 10 additional ongoing operational jobs.

The estimated capital investment for the project exceeds \$5 million.

Who is assessing the development application?

The Proposal is classified as both Designated Development and Regionally Significant Development.

The Development Application will be assessed by Warren Shire Council and determined by the Western Regional Planning Panel.



Want More Information?

A detailed Scoping Report can be found at the JEP Environment & Planning website, www.jacksonenvironment.com.au

How to Provide Feedback

You can provide feedback to the project team via the following ways:

E: admin@jacksonenvironment.com.au

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

