

Green Earth Material Co. - Sustainable Recycling Program

1. Program Overview

Green Earth Material Co. proposes to implement a sustainable and environmentally responsible recycling program focused on:

- Recycling of Council-owned roadside aggregates contaminated with organic matter such as grass and soil
- Processing of green waste into quality garden mulches and compost blends
- Minimising waste to landfill by reintroducing recovered materials into local infrastructure and landscaping applications
- Creating local job opportunities and supporting regional economic development

2. Council Stockpile Aggregate Recycling

2.1 Material Source and Condition

- Roadside stockpiles of aggregate are currently located along major transport corridors under Council jurisdiction.
- These materials are affected by surface contamination such as grass, weeds, and light soils due to prolonged exposure.

2.2 Recovery & Processing Strategy

- Stockpiles will be transported to our Jindera facility under controlled conditions.
- Upon arrival, materials will be:
 - Visually assessed and categorised
 - Mechanically screened to remove organic contaminants
 - Washed if necessary, using recycled site water
 - Crushed or blended into reusable road base and block fill materials

2.3 End Use

- Recycled aggregates will be used in:
 - Council roadworks and shoulder fill
 - Recycled concrete block manufacturing
 - Pipe bedding, backfill, and subgrade material

3. Green Waste & Timber Mulching Program

3.1 Materials Accepted

- Grass clippings, branches, timber offcuts, woodchips, and mixed green organics.
- Source: Council green waste collections, local contractors, and drop-offs.

3.2 Processing Method

- All material is:
 - Inspected for contaminants
 - Pre-shredded and screened
 - Aged/composted under managed aeration and moisture conditions
 - Processed into mulch, compost blends, or soil conditioners

3.3 Product Quality

- All mulches and composts will meet NSW EPA guidelines for re-use in landscaping and agriculture.
- Products will be tested periodically for pH, moisture, pathogen levels, and heavy metals.

4. Dust and Contamination Management Plan

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4.1 Dust Management

- Water trucks and sprinklers will operate on-site roads and loading areas
- All screening and crushing equipment will be fitted with dust suppression misting systems
- Site boundaries will have vegetative buffers and/or dust screens
- Material stockpiles will be kept damp, particularly during windy periods

4.2 Contamination Prevention

- All incoming loads will be visually inspected and photographed
- Suspected contaminated loads will be isolated for testing
- Stockpiles will be segregated by material type and quality
- Regular sweep and clean routines will be implemented across the site
- Training will be provided to staff on identifying and reporting contaminated loads
- Random third-party sampling may be conducted on finished products to ensure regulatory compliance

5. Sustainability Commitments

- 100% of water used in processing will be captured, filtered, and recycled
- Power supply will be primarily solar with battery backup
- Zero landfill target for all recoverable materials
- Support for local circular economy initiatives
- Program will generate local employment opportunities across transport, processing, quality assurance, and administration roles