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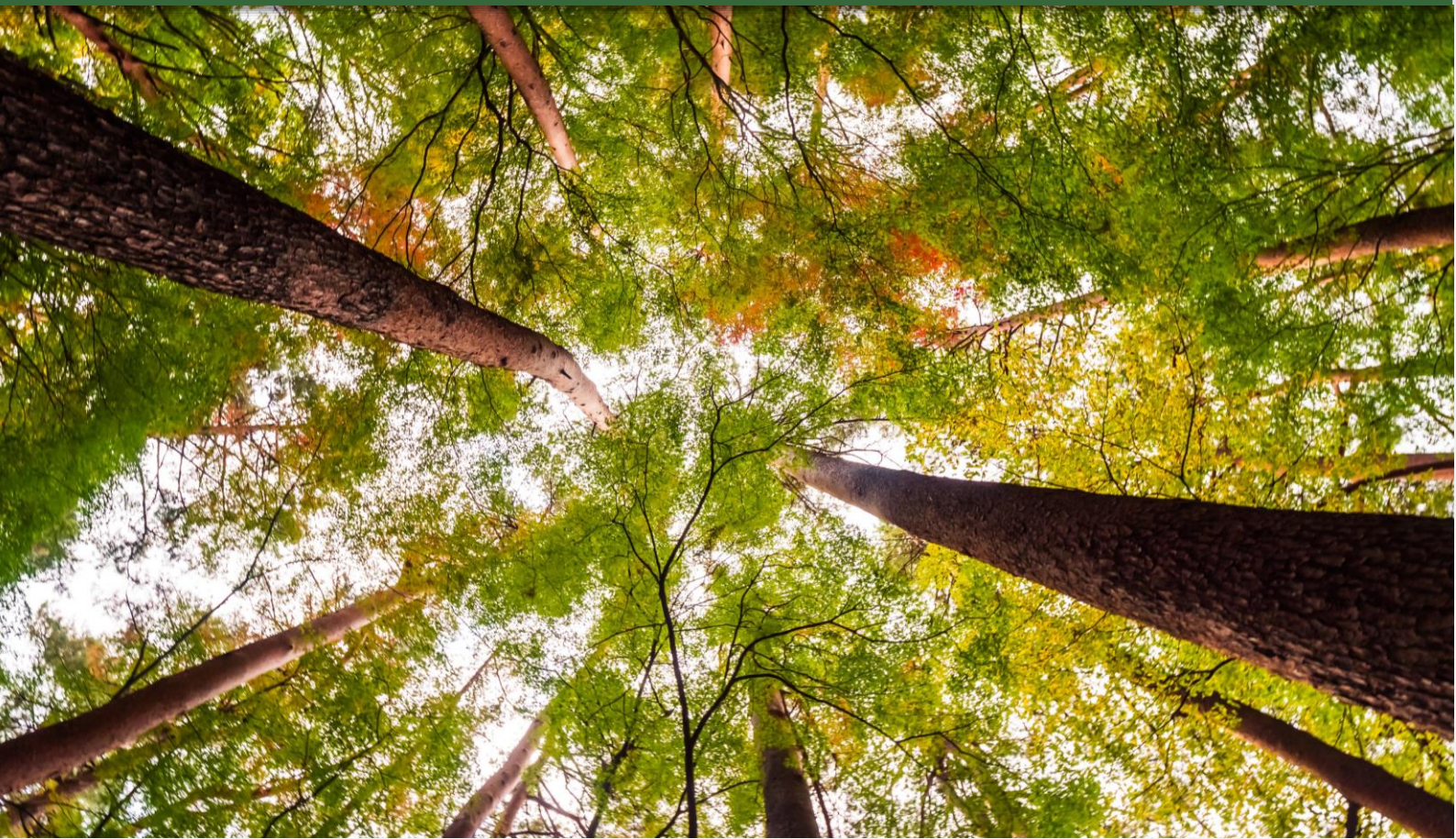
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Waste Treatment Procedure

v1.0

Environmental and sustainability solutions provided to

Enva Scotland Ltd



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REVISION LOG

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0.3	Update following client review	26/02/2026
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1.0 PURPOSE

This document aims to outline the procedure which must be followed by operatives at Enva Scotland Ltd (hereon referred to as 'Enva') for the processing of non-compliant biosolids from wastewater treatment works via liming.

All on-site agreed process procedures will be checked for compliance and relevance on a daily / weekly ongoing basis.

DRAFT

2.0 PROCEDURE OVERVIEW

The defined procedures as described in section 1.0 have been dissected into their component parts for ease of reference by site operatives.

2.1 Delivery of non-compliant biosolids to site

After delivery, the non-compliant biosolids are transferred directly to the mixing wagon.

2.2 Liming

The treatment is undertaken as an active stabilisation process, carried out in accordance with the Biosolids Assurance Scheme or equivalent, and does not rely on prolonged storage, passive biodegradation, or dilution. Lime treatment involves adding alkaline materials (typically quicklime or hydrated lime) to biosolids. This raises the pH and temperature of the material for a defined period (CCP1) which:

- Reduces pathogens to safe levels
- Stabilises the material and slows biological breakdown
- Significantly reduces odour potential
- Improves handling characteristics

The treated material is commonly referred to as lime-stabilised biosolids. When held at such elevated pH for more than two hours, this technique can deliver Enhanced Treated biosolids i.e. a mean 6 log₁₀ reduction for *E.coli* and Salmonella absent in all samples.

The maximum storage capacity of liming material on site is 50 tonnes either in a silo or 1 tonne bags.

The treatment process is undertaken within the mixing plant situated in the central portion of the site on the concrete pad.

2.3 Material storage and despatch

All material that has undergone liming onsite shall be stored separately from the material which is yet to undergo treatment. Storage will be provided until treated material is despatched to storage/spreading sites.

3.0 ROLES AND RESPONSIBILITIES

Site Manager is responsible for:

- The Site Manager is responsible for ensuring that all material is checked against EWC codes before any feedstock is accepted on site for non-conformance.
- Along with all members of the production process, the Site Manager will ensure that all Enva H&S plant operation procedures are maintained, staff are trained in all aspects of working safely and updated on company policies and H&S requirements and updates.
- They are also responsible for ensuring that manufacturer Planned Preventative Maintenance procedures are in place and adhered to and that EA permit guidelines and rules are adhered to by all Enva employees.

Site Operatives are responsible for:

- Site operatives are responsible for ensuring that all static plant is working within tolerances and safety protocols are in place and effective, e.g. guarding, lock out protocols plant performance etc.
- Site operatives are deployed at selected plant monitoring stations to ensure the process is keeping within separation thresholds and ensuring that non-conforming material is prevented from entering post-treatment storage areas.