



Enva Organics Recycling

PPC permit: PPC/A/1038376

Application for a Substantial Variation

June 2025.

Enva Organics Recycling Ltd
Newhousemill Road
East Kilbride
G74 2LE

Section 1 - Substantial change

SEPA have advised that this variation is considered to be a substantial change. The guidance states that Regulation 2(1) of the PPC Regulations defines a substantial change in operation as:

“a change in operation, which, in the opinion of SEPA, may have significant negative effects on human beings or the environment, or which in itself constitutes the carrying out of an activity described in Part 1 of Schedules 1 or 2 that exceeds any threshold capacity specified in those Schedules.”

In addition to this SEPA have confirmed that the application would be classed as a substantial variation during the pre-application meeting that took place on 21st August 2023.

In accordance with SEPA’s view, the guidance and due to the site history of odour complaints, the variation is submitted as a substantial variation.

Section 2 - About our proposed variations to the Permit

Section 2.1. Non-technical summary of the proposed variations

This document forms an application for a substantial variation to the PPC Permit that is currently in place at Enva Organics Recycling Site. This application is made under Schedule 1 of The Pollution Prevention and Control (Scotland) Regulations 2012. The JRC Best Available Techniques (BAT) Reference Document for Waste Treatment 2018 (known as the BREF) has been used in this application when considering BAT justification.

Enva Organics Recycling Ltd currently operates a composting site under a PPC permit, no PPC/A/1038376.

Description of changes

An enforcement notice was issued by SEPA on 6th July 2022 stating that sufficient and effective measures must be implemented to ensure that no offensive odours from the composting facility are detected beyond the site boundary after 1st April 2023.

The waste reception shed which receives incoming comingled green & food waste is already under full odour abatement following previous improvement projects which involved the construction of a biofiltration system to extract air from the reception shed.

Enva Organics Recycling Ltd now wish to vary their permit to address the release of potential offensive odours from the sanitisation and stabilisation stages. Significant upgrades to these areas include the installation of five new single pass tunnels and the implementation of new Aerated Static Pile (ASP) technology for maturation. The upgrades also include the expansion of the extraction and biofiltration system.

After various discussions with SEPA regarding the onsite drainage, Enva also wish to apply to modify the permit to allow the discharge of the SUDS pond to the Rotten Burn (NS 67085 52767) and the discharge of the foul drain to point NS 6 67199 53047.



Section 2.2. Variations to the conditions of the Permit

The conditions in the permit that relate to the sanitisation and stabilisation process of the In Vessel composting operations as well as discharge into the water environment are required to be varied. These are as follows:

Condition 1.1.4.1

Current:

In – Vessel Composting Activities consisting of:

1.1.4.1 (iv) Composting of waste by forced aeration in a two stage in-vessel barrier system, each barrier system comprising 9 individual composting units.

Proposed variation:

1.1.4.1 (iv) Composting of waste by forced aeration in a single stage in-vessel barrier system, each barrier system comprising 5 individual composting units.

Current:

In – Vessel Composting Activities consisting of:

1.1.4.1 (v) Stabilisation and maturation of sanitised compost in a series of windrows within the roofed maturation enclosure.

Proposed variation:

1.1.4.1 (v) Stabilisation and maturation of sanitised compost within an Aerated Static Pile (ASP) system within the maturation enclosure.

Condition 4.1.1

Current:

4.1.1 Only Waste types detailed in Table 2 shall be accepted at the Permitted Installation.

Table 2 – Accepted Wastes

European Waste Catalogue Code	Description
02 01 07	Waste from forestry
20 01 08	Biodegradable kitchen and canteen waste
20 02 01	Biodegradable garden and park waste

Proposed variation:

4.1.1 Only Waste types detailed in Table 2 shall be accepted at the Permitted Installation.

Table 2 – Accepted Wastes

European Waste Catalogue Code	Description
02 01 07	Waste from forestry
20 01 08	Biodegradable kitchen and canteen waste
20 02 01	Biodegradable garden and park waste



Condition 4.1.6

Current:

4.1.6 The total quantity of waste accepted at the In- Vessel composting process described in Condition 1.1.4.1 each calendar month shall not exceed 3,350 tonnes.

Proposed variation:

This should be removed from the permit as the monthly restriction does not equate to the annual allowance of 75,000 tonnes. Furthermore, tonnages vary from month-to-month due to the nature of the incoming waste being seasonal.

Condition 4.1.10

Current:

4.1.10 The total quantity of waste being kept and treated at the site for the In-Vessel Compositing activities described in Conditions 1.1.4.1 and 1.1.5 at any one time shall not exceed 14,000 tonnes.

Proposed variation:

4.1.10 The total quantity of waste being kept and treated at the site for the In-Vessel Compositing activities described in Conditions 1.1.4.1 and 1.1.5 at any one time shall not exceed 18,000 tonnes as per the table below:

Area	Maximum amount of waste stored at any time (tonnes)
Reception shed	500
IVC tunnels	4000
Finished compost	4500
Total on site for IVC processing as per Condition 4.1.10	9,000
Maturation shed as per amended Condition 4.1.11	9,000

Condition 4.1.11

Current:

4.1.11 The total quantity of waste being kept and treated in the roofed maturation enclosed described in Condition 1.1.4.1 (v) at any one time shall not exceed 6,500 tonnes.

Proposed variation:

4.1.11 The total quantity of waste being kept and treated in the roofed maturation enclosure described in Condition 1.1.4.1 (v) at any one time shall not exceed 9,000 tonnes.

Condition 5.2.1

Current:

By 31 January 2021 all 18 In-Vessel composting units described in condition 1.1.4.1 (iv) must be connected to the odour abatement system described in condition 1.1.5 (i) and both systems must be fully commissioned and operational such that all odourous emissions generated by the In-Vessel composting units are collected and directed to the odour abatement system.



Proposed Variation

By 28th January 2026 all 5 In-Vessel composting units described in condition 1.1.4.1 (iv) (as amended) must be connected to the odour abatement system described in condition 1.1.5 (i) and both systems must be fully commissioned and operational such that all odourous emissions generated by the In-Vessel composting units are collected and directed to the odour abatement system.

Condition 6.1.14

Current:

Each compost windrow must not exceed a maximum height of 3m at any point.

Proposed variation:

6.1.14 Each compost section within the Aerated Static Pile (ASP) system must not exceed a maximum height of 4m at any point.

Condition 6.1.15

Current:

A minimum distance of 0.5m must be maintained between the bases of each compost windrow.

Proposed variation:

This condition is no longer required, and it is proposed that this is deleted.

Condition 7.2.1

Current:

The emissions to the water environment specified in Table 5 shall only be permitted from the emission point specified in said table and only after having passed through the sample point specified in that table.

<i>Emission Point</i>	<i>Source of emission</i>	<i>Destination</i>	<i>Emission Location (NGR)</i>	<i>Sample Location (NGR)</i>
<i>1</i>	<i>Surface Water Drainage</i>	<i>Groundwater</i>	<i>NS 6733 53320</i>	<i>NS 6724 5316</i>

Proposed variation:

The emissions to the water environment specified in Table 5 shall only be permitted from the emission point specified in said table and only after having passed through the sample point specified in that table.

<i>Emission Point</i>	<i>Source of emission</i>	<i>Destination</i>	<i>Emission Location (NGR)</i>	<i>Sample Location (NGR)</i>
<i>1</i>	<i>Surface Water Drainage</i>	<i>Surface Water</i>	<i>NS 67085 52767</i>	<i>NS 67085 52767</i>

Condition 7.3.1

Current:

Any run-off water discharged shall, before discharge, be treated in a system comprising of: a bypass oil interceptor, permeable filtration surfaces, filter trench swale and finally a detention basin.

**Proposed variation:**

Any roof water discharged shall before discharge be treated in a SUDS pond and any general yard run off shall be pretreated in an oil and silt interceptor prior to treatment in a SUDS pond.

No changes to any other conditions are proposed, however a new condition must be inserted to include the foul water outlet. The site has a sewage treatment plant (NS 67206 53174) which accepts all foul water from the office cabins. The plant was fully refurbished in October 2019 and is serviced and emptied annually. The last maintenance took place in May 2025. The plant currently services 12 people but when at full capacity it will increase to 25. The location of the outlet is NS 6 67199 53047.