

Variation of Permit

This permit has been varied by the Scottish Environment Protection Agency (SEPA) in exercise of its powers under Regulation 46 of the Pollution Prevention and Control (Scotland) Regulations 2012 (“the Regulations”). The terms used in this notice, unless otherwise defined, have the same meaning as in the Regulations.

Permit Number:	PPC/A/1038376
Site address:	Newhousemill Road Blantyre G74 2LE
Operator:	Enva Organics Recycling Limited SC178301 60 Murray Street Paisley Renfrewshire Scotland PA3 1QG
Variation Number:	VAR02
Date of Notice:	
Effective Date of Variation:	<<Enter effective date – DD/MM/YYYY>>
Details of Variation:	The permit is varied as specified in the Schedule attached.

Schedule

The permit has been varied as follows:

1. In the Interpretation of Terms, a new term has been added, as follows

Term	Definition
Commissioning	The start-up of a Permitted Installation, or part thereof, for the first time following construction, or after any significant modification or change. It includes: the planning and management of the commissioning of the Permitted Installation or part thereof; functional testing of equipment; introducing process materials to the plant; resolution of technical or procedural problems; confirmation that all aspects of the plant operate as designed or planned; and confirmation the plant operates within the conditions of this Permit.

2 In Schedule 1, Condition 1.1.4.1 has been deleted and replaced by a new condition 1.1.4.1 as follows:

1.1.4.1 In-Vessel Composting Activity consisting of:

- i. Reception Building, as identified as building 4 on the Site Plan,
- ii. 5 In-Vessel Composting Units, total capacity of 4,000 tonnes, as identified as building 5 on the Site Plan, served by a forced aeration system,
- iii. Fully enclosed Maturation Shed, as identified as building 7 on the Site Plan, served by a forced aeration system,
- iv. Finishing Shed, as identified as building 9 on the Site Plan
- v. Composting Loading Area, as identified as area 20 on the Site Plan
- vi. 2 leachate tanks, each with a capacity of 30m³, within building 4 on the Site Plan.

- vii. Odour abatement system, comprising extraction fans, ventilation ducting, water scrubber and two biofilters, serving the Reception Building, the In-Vessel Composting Units, Maturation Shed and Leachate Tanks.
 - viii. Surface water and leachate drainage system including 250m³ underground rainwater storage tank, and associated recirculation systems.
 - ix. Forced aeration systems which force air through each In-Vessel Composting unit and maturation tables.
- 3 In Schedule 1, Conditions 1.1.5 (i), (ii) and (viii) have been deleted and the remaining conditions re-numbered (i) to (vi).**
- 4 In Schedule 1, Condition 1.2 is deleted and replaced as follows:**

1.2 Site Plan



5 In Schedule 2, Condition 2.3.1, 2.3.2 and 2.3.3 have been deleted and replaced as follows:

- 2.3.1 Where any Condition of this Permit requires information to be reported, a report shall be forwarded in writing to SEPA at the address specified in the explanatory notes attached to this Permit, by the date(s) or within the period or at the frequency specified in Table 1 and, where appropriate, the first report shall be due on the date specified in that Table. All such reports shall include the Permit number and the name of the Operator.
- 2.3.2 Where the Permitted Installation has not operated for the duration of any reporting period specified in Table 1, the Operator shall provide written notification to SEPA. This shall confirm that no reports have been made in terms of Condition 2.3.1 because the Permitted Installation has not operated during the said period. Notifications shall be submitted within one month of the end of the reporting period concerned.
- 2.3.3 All notifications required by any Condition of this Permit shall be made to SEPA in the manner specified in that Condition to the address specified in the explanatory notes attached to this Permit by the date(s) or within the period or at the frequency specified in Table 1 and, where appropriate, the first notification shall be due on the date specified in that Table. All such notifications shall include the Permit number and name of the Operator.

6 In Schedule 2, the following rows in Table 1 will be deleted:

Summary of information to be reported or notified	Condition	Date/Within period/Frequency to be Reported	Date Report Due
Incident Prevention and Mitigation Plan	2.4.5	At least every 4 years	Within 1 year from this date of this permit variation
Odour Monitoring Plan	3.3.2	One off report	By 31 October 2020
Odour Systematic Assessment	3.3.3	In the event of a significant change to operations or change in processing capacity	Within 12 months of startup of activities
Odour Management Plan	3.3.4	Following each systematic review as required by Condition 3.3.3	N/A
Odour Incident Plan	3.3.7	As required	N/A
Systematic assessment of all measures used to comply with Condition 3.4.1	3.4.5	At least every 4 years	Within 1 year from the date of this variation
Waste Data Returns	4.1.8	Within 28 days of the last day of March, June, September and December each year	As applicable

7 In Schedule 2, the following rows in Table 1 will be added:

Summary of information to be reported or notified	Condition	Date/Within period/Frequency to be Reported	Date Report Due
Incident Prevention and Mitigation Plan	2.4.5	At least every 4 years	28 February 2027
Air Emissions Monitoring results	3.1.3	Every 3 months after commissioning completion for 1 year And every 6 months thereafter	Within 28 days of Operator receiving results
Odour Emissions Systematic Assessment	3.3.3	Annually	31 December 2027
Updated Odour Management Plan following systematic assessment (Condition 3.3.3)	3.3.4	Annually	31 January 2028
Water Scrubber Monitoring Results	3.3.5	Every 3 months after commissioning completion for 1 year And every 6 months thereafter	Within 28 days of Operator receiving results
Systematic assessment of all measures used to comply with Condition 3.4.1	3.4.5	At least every 4 years	31 March 2028
Appropriate Broadband and tonal noise assessment	3.5.1	Within 3 months of completion of any Commissioning And Annually thereafter	Within 28 days of Operator receiving results

Summary of information to be reported or notified	Condition	Date/Within period/Frequency to be Reported	Date Report Due
Waste Data Returns	4.1.4	Within 28 days of the last day of March, June, September and December each year	As applicable
Commissioning Plan	6.3.2	2 weeks after issue of permit variation	
Notification that permit conditions cannot be complied with during Commissioning	6.3.5	As necessary during commissioning	Within 24 hours
Commissioning Completion Report	6.3.6	Within one month of completion of Commissioning Activity	28 February 2027

8 In Schedule 3, Condition 3.1 is deleted and replaced as follows:

3.1 Air Emission Conditions

3.1.1 Point source emissions to air from the permitted activities must only be made from the emission points specified in Table 2 of this schedule.

3.1.2 Emissions of substances to the air from emission points must not exceed the emission limit values specified in Table 2 of this schedule.

3.1.3 The Operator shall undertake monitoring of emissions to air for each parameter, at each emission point, and at the frequency specified in Table 2, using the methods specified in that table, during normal operation. The results of emissions monitoring must be reported to SEPA within 28 days of Operator receiving results.

Table 2 – Air Emissions and monitoring:

Parameter	Emission Limit Value	Emission Point (Site Plan reference number)	Monitoring frequency	Operational mode	Reference period	Monitoring method
Ammonia NH ₃	-	Biofilter 1&2 (11) Biofilter 3&4 (19)	Every 3 months after commissioning completion for 1 year And every 6 months thereafter	Normal Operation	Spot Sampling	EN ISO 21877
Odour Concentration	1,000 OUE/m ³	Biofilter 1&2 (11) Biofilter 3&4 (19)	Every 3 months after commissioning completion for 1 year And every 6 months thereafter	Normal Operation	Spot Sampling	BS EN 13725
H ₂ S	-	Biofilter 1&2 (11) Biofilter 3&4 (19)	Every 3 months after commissioning completion for 1 year And every 6 months thereafter	Normal Operation	Spot Sampling	No EN standard available
TVOC	-	Biofilter 1&2 (11) Biofilter 3&4 (19)	Every 6 months after commissioning completion	Normal Operation	Spot Sampling	BS EN 12619

Parameter	Emission Limit Value	Emission Point (Site Plan reference number)	Monitoring frequency	Operational mode	Reference period	Monitoring method
VOCs (speciated)	-	Biofilter 1&2 (11) Biofilter 3&4 (19)	Twice in the first year following commissioning (one summer, one winter). And annually thereafter	Normal Operation	Spot Sampling	CEN TS 13649

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9 In Schedule 3, Condition 3.3 is deleted and replaced as follows:

3.3 Odour Conditions

- 3.3.1 Offensive odours from the permitted activities as perceived by a SEPA officer must not be emitted beyond the boundary of the Permitted Installation.
- 3.3.2 The operator must develop, implement and maintain the Odour Management Plan (OMP), which includes all of the information required by SEPA's Odour Guidance (IND-G-011).
- 3.3.3 At least annually, the Operator must carry out a systematic assessment and review of odour emissions associated with the Permitted Activities, the purpose of which shall be to identify methods of preventing and where not practicable, reducing odour emissions and their impact. Each assessment shall be recorded and reported to SEPA.
- 3.3.4 The Odour Management Plan must be reviewed, updated and reported to SEPA following each systematic assessment as required by Condition 3.3.3.
- 3.3.5 Within 3 months of completion of Commissioning, the Operator must undertake the monitoring in Table 3 every 3 months for 1 year, and every 6 months thereafter, during periods of routine operation. The results of the monitoring shall be reviewed against the designed specification and reported to SEPA within 28 days of Operator receiving results.

Table 3: Water Scrubber Monitoring

Parameter	Monitoring Point (Site Plan Reference)	Reference Period	Monitoring method
Odour	All inlets to the Water Scrubber (6)	Spot sampling	BS EN 13725
	All outlets from the Water Scrubber (6)		
Ammonia NH ₃	All inlets to the Water Scrubber (6)	Spot sampling	EN ISO 21877
	All outlets from the Water Scrubber (6)		
Dust	All inlets to the Water Scrubber (6)	Spot sampling	BS EN 13284-1
	All outlets from the Water Scrubber (6)		

3.3.6 The Operator will maintain an inventory of waste gas streams being emitted from the In-Vessel Composting Activity described in Conditions 1.1.4.1. This shall include all the information required by BAT 3 in the Waste Treatment BAT Conclusions. This information must be supported by monitoring data identifying the composition and quantity of waste gas streams and their possible impacts from both fugitive and point source releases.

10 In Schedule 3, Condition 3.4.5 is deleted and replaced as follows:

3.4.5 By 31 December 2027 and thereafter, at least every four years, a systematic assessment shall be carried out of all measures used to prevent emissions from the Permitted Installation to soil and groundwater. The Operator shall submit a written report of each assessment to SEPA within 3 months of completion. The assessment report must include:

- (a) a review of the effectiveness of the infrastructure designed to prevent emissions to soil and groundwater;
- (b) a review of records of any management actions or procedures used to prevent emissions to soil and groundwater and an assessment of their effectiveness;
- (c) details of any actions required to maintain the infrastructure so that it prevents emissions to soil and groundwater;
- (d) a CCTV, video or equivalent survey of the drainage systems and process area to ensure their structural integrity and to identify any remedial actions required;
- (e) the details of corrective actions required to remedy any contamination that has occurred as a result of the permitted activities;
- (f) the details of any additional measures that are required to prevent emissions to soil and groundwater.

11 In Schedule 3, Condition 3.5 is deleted and replaced as follows:

3.5 Noise and Vibration

3.5.1 Within 3 months of the completion of Commissioning and annually thereafter, the Operator shall undertake an appropriate assessment of broadband and tonal noise at noise sensitive receptors during the operation of the Permitted Activities. If either assessment identifies adverse impact, then the operator must outline what additional BAT measures will be implemented to reduce the assessed impact. A copy of the assessments and any recommendations must be reported to SEPA within 28 days from the date the Operator receives the results.

3.5.2 The Operator shall review the Noise Management Plan annually, the purpose of which shall be to implement the findings of the noise assessment as required by Condition 3.5.1 in a systematic manner.

3.5.3 The Permitted Installation shall be operated to ensure that any tones generated by the Permitted Activities shall have a tonal audibility (ΔL_{ta}), at noise sensitive receptors, less than or equal to 4dB, as defined by Annex D of BS 4142.

12 In Schedule 4, Condition 4.1 is deleted and replaced as follows:

4.1 Waste Types and Quantities

4.1.1 Only waste types detailed in Table 4 shall be accepted at the Permitted Installation.

Table 4 — Accepted Wastes

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

4.1.2 The total quantity of waste accepted at the In-Vessel Composting Activity described in Condition 1.1.4.1 each year shall not exceed 75,000 tonnes.

4.1.3 The total quantity of waste accepted at the Open Composting Activities described in Condition 1.1.4.2 each year shall not exceed 64,000 tonnes.

4.1.4 The operator shall record, on a monthly basis, the total quantity of waste being accepted at the Permitted Installation. This information shall be reported to SEPA on a quarterly basis within 28 days of the last day of March, June, September and December each year.

4.1.5 The maximum quantity of waste being stored and/or treated at each of the locations associated with the In-Vessel Composting Activity shall not exceed the limits stated in Table 5:

Table 5 – Maximum storage limits associated with In-Vessel Composting Activity

Location (refer to Site Plan)	Tonnage (maximum)
Reception Building	500 tonnes
In-Vessel Composting Units	4,000 tonnes (in total)
Fully enclosed Maturation Shed	9,000 tonnes
Finishing Shed	1,500 tonnes
Composting Loading Area	3,000 tonnes
Total	18,000 tonnes

4.1.6 The total quantity of waste stored at the Open Composting Activity described in Condition 1.1.4.2 at any one time shall not exceed 15,000 tonnes.

13 In Schedule 5, Condition 5.1 is deleted and replaced as follows:

5.1 Operation of the Odour Abatement System

5.1.1 The Operator shall develop, implement and maintain a maintenance schedule for all components of the Odour Abatement System. All inspections and maintenance work carried out on the Odour Abatement System shall be recorded and records made available to SEPA on request.

5.1.2 No waste shall be accepted or processed in the In-Vessel Composting Activity unless the Odour Abatement System is fully operational and functioning effectively, such that compliance with the conditions of this permit is ensured.

5.1.3 Any failure of the Odour Abatement System should be treated as in Incident in accordance with Condition 2.4.

14 In Schedule 5, Condition 5.2 is deleted.

15 In Schedule 6, Condition 6.1 is deleted and replaced as follows:

6.1 Operation of the In-Vessel Composting Activity

6.1.1 The storage, shredding and mixing of wastes to form composting batches shall only be carried out in the Reception Building, with the doors closed, fan and extraction system operating correctly and extracted air venting to the Odour Abatement System.

6.1.2 All enclosed buildings associated with the In-Vessel Composting Activity shall be provided with adequate ventilation to maintain negative pressure within each building and ensure a minimum of 3 Air Changes Per Hour (ACPH).

6.1.3 The doors to all buildings associated with the In-Vessel Composting Activity shall be kept closed at all times, except for periods when vehicles and/or personnel are entering and exiting the building.

6.1.4 Shredding and mixing of wastes to form composting batches shall conform with the particle size distribution required for that particular batch as detailed in the Management Plan.

6.1.5 The Operator shall implement and maintain procedures to ensure mixing control of wastes to form composting batches is performed in accordance with the following document: "Good Practice and Regulatory Guidance on Composting and Odour Control for Local Authorities" DEFRA March 2009. Any subsequent amendments to this document shall also be used by the Operator to ensure preferred performance characteristics are met.

- 6.1.6 All waste formed into composting batches in the Reception Building shall be placed into the In-Vessel Composting Units and treated until the sanitisation phase has been completed as detailed in the Management Plan.
- 6.1.7 Compost shall only be matured in tables within the Maturation Shed, where it can be demonstrated that it has successfully passed the sanitisation stage required in Condition 6.1.6.
- 6.1.8 Each compost table must not exceed a maximum height of 4m at any point.
- 6.1.9 Each batch of compost in the Maturation Shed must be clearly delineated and labelled to enable visual identification and effective audit of process records.
- 6.1.10 Prior to compost material being moved to the Finishing Shed, the temperature of the material, taken from a representative sample, must be within the mesophilic range (20-45°C) to minimise emissions to air.
- 6.1.11 Leachate shall not be used to maintain moisture levels in either the Reception Building, Maturation Shed and Finishing Shed.
- 6.1.12 Each batch of prepared compost material shall have a unique reference number and will conform with PAS 100:2005 or subsequent compost specification standards.
- 6.1.13 Finished compost not meeting the PAS 100:2005 specification or subsequent compost specification standards, shall undergo further treatment to ensure compliance with the standard or be removed off-site to a suitably licensed waste management facility.
- 6.1.14 All buildings associated with the In-Vessel Composting Activity will be maintained and operated in a manner to prevent diffuse emissions to the air and water environment.

6.1.15 The Operator must check the integrity of all buildings associated with the In-Vessel Composting Activity at least annually using a smoke test to demonstrate compliance with Condition 6.1.14. The smoke test shall be undertaken while the process is operating under normal conditions, and the odour abatement system is in operation.

Where smoke is observed to escape from any building, the Operator shall investigate the cause and implement remedial measures to restore integrity without delay. The integrity shall be retested following completion of any repairs.

The Operator shall record:

- (a) The method used;
- (b) The results of each smoke test, including details of any investigation where smoke escape is observed;
- (c) Any remedial measures undertaken to restore building integrity.

6.1.15 The Operator shall submit a report to SEPA within 14 days of receiving the results of each smoke test required by Condition 6.1.15.

16 In Schedule 6, Condition 6.3 is deleted and replaced as follows:

6.3 Commissioning Conditions

6.3.1 The Operator shall not carry out any Permitted Activities described in Condition 1.1.3 in the Stationary Technical Unit defined at Condition 1.1.4.1, except as part of the Commissioning Activity, until:

- (a) Conditions 6.3.2 to 6.3.6 inclusive have been complied with and
- (b) The Operator has received written confirmation from SEPA that those conditions have been complied with.

6.3.2 The Operator must submit a Commissioning Plan that sets out the Commissioning Activity they intend to undertake in order to demonstrate compliance with Condition 6.3.3.

6.3.3 Unless extended by Condition 6.3.4, by 31 January 2027, the Operator must complete Commissioning Activity set out in the Commissioning Plan to demonstrate that the Stationary Technical Unit defined at condition 1.1.4.1 complies with the conditions of this permit, including as a minimum:

- (a) Demonstration of compliance with all emission limit values (ELVs) specified in Table 2;
- (b) Demonstration of the integrity of all subsurface pipework, drains and partially or fully submerged tanks;
- (c) Demonstration that all monitoring systems, sensors and alarms associated with the installation are fully operational;
- (d) Demonstration that buildings associated with the In-Vessel Composting Activity (Condition 1.1.4.1) achieve a minimum of 3 air changes per hour;
- (e) Demonstration that the In-Vessel Composting Activity achieves sanitisation and stabilisation in accordance with PAS 100.

6.3.4 Notwithstanding any other condition in this Permit, where any Commissioning Activity carried out under Condition 6.3.3 demonstrates that the conditions of this permit have not, or cannot be complied with, the Operator shall cease carrying on that part of the Commissioning Activity which is subject to the test until either:

- (a) SEPA has given written permission for that part of the Commissioning to continue; or
- (b) The Operator has proposed in writing to SEPA remedial action to ensure compliance with the conditions of this Permit; and that
 - (i) those actions have been agreed with SEPA in writing; and

(ii) those actions have been implemented.

6.3.5 Where Condition 6.3.4 applies, the Operator shall notify SEPA within 24 hours. The notification shall include the following information:

- (a) Time and date that Commissioning Activity ceased;
- (b) The reason for cessation;
- (c) Proposals to restore compliance with the Permit, including associated timescales.

6.3.6 Within one month of completing the Commissioning Activity required by Condition 6.3.3, the Operator must submit to SEPA a written report demonstrating that the Stationary Technical Unit defined at condition 1.1.4.1 operates in full compliance with the conditions of this permit.

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