

## 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.

<b>Permit Number:</b>	PPC/A/1110002
<b>Site address:</b>	Glasgow Recycling and Renewable Energy Centre (GRREC) 425 Polmadie Road Glasgow G42 OPJ
<b>Operator:</b>	Viridor (Glasgow) Limited SC404681 c/o Shepherd & Wedderburn, 9 Haymarket Square, Edinburgh, Scotland, EH3 8FY (Registered Office)
<b>Variation Number:</b>	VAR03
<b>Date of Notice:</b>	
<b>Effective Date of Variation:</b>	<<Enter effective date – DD/MM/YYYY>>
<b>Details of Variation:</b>	The permit is varied as specified in the Schedule attached.

**Authorisation Number: PPC/A/1110002**

**Variation Number: VAR03**

## Schedule

The permit has been varied as follows:

1. Condition 2.7.10 is inserted after Condition 2.7.9, as follows:

2.7.10 Within 6 months of the date of issue of variation VAR03 the Operator shall have carried out a Performance Test as defined in Condition 2.7.7 with the results of the test reported within three months of the test being carried out.

2. Condition 4.2.2 has been deleted and replaced by a new condition 4.2.2, as follows:

4.2.2 The aggregate amount of the wastes specified in Condition 4.1.1 that may be incinerated in the Permitted Installation shall not exceed 197,100 tonnes in any calendar year and shall not exceed 7.5 tonnes per hour per line.

3. The text above Table 4.6 is varied to delete '4.1.74.1' and insert '4.5.1'.

4. Condition 5.5.2 is inserted after Condition 5.5.1 as follows:

5.5.2 Within 8 months of the date of issue of variation VAR03 additional Residence Time Tests shall be performed on all incineration Lines and a detailed report containing the results of the Residence Time Test shall be submitted.

5.5.2.1 An interim summary report on the outcome of the Residence Time Tests required by condition 5.5.2 may be submitted before the detailed report required by condition 5.5.2 is submitted.

5. Condition 6.5.2 is inserted after Condition 6.5.1 as follows:

6.5.2 Within 12 months of Date of issue of variation VAR03 the Operator shall submit in writing to SEPA, an updated air dispersion modelling

**Authorisation Number:** PPC/A/1110002

**Variation Number:** VAR03

assessment and updated Human Health Risk Assessment for NO<sub>2</sub>, SO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub>, VOCs as benzene, VOCs as 1,3 butadiene, dioxins and furans, dioxin-like PCBs and Group 1, 2 and 3 heavy metals based on emissions at actual concentrations from Emission Points A1, A2 and A3 at the point of maximum deposition and at sensitive receptors. The report shall include modelling of speciated Group 3 metals based on results of periodic monitoring from Emission Points A1, A2 and A3.'

6. In Table 6.2 the rows defining monitoring requirements for 'Polychlorinated dibenzo-p-dioxins and furans (PCDD/F) (I-TEQ)', 'PCDD/F (WHO-TEQ Humans/Mammals, Fish, Birds)', 'Dioxin-like PCBs (WHO-TEQ Humans/Mammals, Fish, Birds)' and 'Specific individual poly-cyclic aromatic hydrocarbons (PAHs)' are deleted and replaced with the following (table headers added for clarity only):

Authorisation Number: PPC/A/1110002

Variation Number: VAR03

Emission Point	Parameter	Emission Limit Value (including unit)	Reference period	Monitoring frequency Note 7	Monitoring standard or method
A1, A2 and A3	Polychlorinated dibenzo-p-dioxins and furans (PCDD/F) (I-TEQ)	0.06 ng I-TEQ/Nm <sup>3</sup>	Single measurement of 6 to 8 hours	Periodic Measurement each month until Condition 5.5.2 or 5.5.2.1 is satisfied, then once every 6 months	BS EN 1948-1,2 and 3
	PCDD/F (WHO-TEQ Humans / Mammals, Fish, Birds)	None set			
A1, A2 and A3	Dioxin-like PCBs (WHO-TEQ Humans / Mammals, Fish, Birds)	None set	Average value over single measurement of 6 to 8 hours.	Periodic Measurement each month until Condition 5.5.2 or 5.5.2.1 is satisfied, then once every 6 months	BS EN 1948 Parts 1, 2 and 4
A1, A2 and A3	Specific individual poly-cyclic aromatic hydrocarbons (PAHs) Note 6	None set	Average value of three consecutive measurements of at least 30 minutes each	Periodic Measurement each month until Condition 5.5.2 or 5.5.2.1 is satisfied, then once every 6 months	BS ISO 11338-1 and BS-ISO 11338-2.

**Authorisation Number:** PPC/A/1110002

**Variation Number:** VAR03

7. In Table 8.1, the row starting 'TOC (dry weight)' is deleted and replaced with the following (table headers added for clarity only):

Substance	Residue stream	Monitoring frequency	Monitoring standard or method*	Reporting Requirements
TOC (dry weight)	IBA and other boiler ash / slag from each line sampled and analysed separately.	Monitored each month until Condition 5.5.2 is satisfied, then Quarterly or as required under Condition 8.1.2 e) and 8.1.5.	BS EN 14899 and either EN 13137 or EN 15936 for TOC	Immediately on receipt of analytical results until Condition 5.5.2 is satisfied, then Quarterly except where above threshold in Condition 5.1.1 a). Where above the threshold report as an incident as required under Condition 2.5.

**Authorisation Number:** PPC/A/1110002

**Variation Number:** VAR03

8. Condition 10.3.1 is deleted and new Conditions 10.3.1 and 10.3.1.1 are inserted as follows:

10.3.1 By 30 September 2026 or, where this is later, before the anaerobic digestion wet preparation feed plant resumes operation, the Operator must implement additional measures to decrease the impact due to emissions of NO<sub>x</sub>, SO<sub>x</sub>, VOC and PM from the biogas engines discharging via Emission Points A6 and A7.

10.3.1.1 The Operator must submit an improvement plan three months before the additional measures are planned to be installed which defines and justifies the additional measures to be implemented including where necessary a Sensitivity Analysis and/or a Cost Benefit Analysis and which defines the anticipated impact reduction which will be achieved.

CONSULTATION DRAFT

**Authorisation Number:** PPC/A/1110002

**Variation Number:** VAR03

9. The rows in Table 2.1 for Conditions '8.1.6 & table 8.1', and '8.2.1' are deleted and replaced with the following (Table headings included for information only):

Summary of information to be recorded/reported	Condition	Review Frequency	Date first records due to be completed	Date reports due
Reassessment of the potential for recirculation of APCr	8.2.1	Every 4 years	As right	30 September 2026 and every 4 years thereafter
TOC of bottom ash	8.1.6 & Table 8.1	Each month until Condition 5.5.2 is satisfied, then  Quarterly	from First Operation	Within 3 weeks of the end of the month for monthly samples until Condition 5.2.2 is satisfied, then First date of 31 January, 30 April, 31 July or 31 October for previous calendar quarter

**Authorisation Number: PPC/A/1110002**

**Variation Number: VAR03**

10. In Table 2.1 the following rows are added:

Summary of information to be recorded/reported	Condition	Review Frequency	Date first records due to be completed	Date reports due
Results of Performance Test	2.7.10	Single report	As right	6 months after date of issue of variation VAR03
Residence Time Test full report	5.5.2	Single report	As right	8 months after test completed
Residence Time Test interim report	5.5.2.1	Optional Single report	As right	8 months after test completed
Updated air dispersion model and human health risk assessment based on actual emissions	6.5.2	Single report	As right	12 months after date of issue of variation VAR03
AD Biogas engines improvement plan	10.3.1.1	Single report	As right	30 June 2026 or, where this is later, 3 months before the AD wet preparation feed plant resumes operation