Borough Council of Calderdale

Environmental Permitting (England and Wales) Regulations 2016 (as amended)

Schedule 13 Environmental Permit

Permit reference S13/006

Operator:	Calder Valley Skip Hire Ltd Belmont Industrial Estate Rochdale Road Sowerby Bridge HX6 3LL
Company Number:	03861770
Regulated facility:	Small Waste Co-incineration Plant Calder Valley Skip Hire Ltd Belmont Industrial Estate Rochdale Road Sowerby Bridge HX6 3LL

Permitted Activity: Operation of a small waste incineration plant, being a waste co-incineration plant, as defined in the Regulations.

Location map: The location of the plant is shown in red below.

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Contents

Definitions

Unless otherwise specified, the definitions set out in the relevant Articles of Directive 2010/75/EU on industrial emissions (the Industrial Emissions Directive) (and in particular Article 3) and the definitions set out in the Environmental Permitting (England and Wales) Regulations 2016 (as amended) shall apply throughout this permit.

In addition, the definitions set forth below shall apply throughout this permit.

"The Regulator" means Calderdale Metropolitan Borough Council, the Borough Council of Calderdale.

"the Regulations" means the Environmental Permitting (England and Wales) Regulations 2016 (as amended).

“'the Directive” means Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control) 2010 as amended.

"The plant" and "the small waste co-incineration plant (SWCP)" and similar terms mean the small waste co-incineration plant for the combustion of non-hazardous waste, including waste storage areas, loading equipment and all associated equipment described in *the application.*

"Site", "on site" and similar terms shall be taken to refer to the site of the small waste co-incineration plant including all waste reception and storage areas, and the locations of processing activities. Note: all waste co-incineration activities must be undertaken within the small waste co-incineration plant building. The boundary of the site is shown in Plan S13/005/P1 and in drawing ‘Permit Site Boundary Plan 1902-0002-01’.

"The application" means the application for an environmental permit made by the operator, on 6th August 2020 and duly made, including the appendices and supporting information together with supplementary information supplied on 16th October 2020 and further information provided for the permit re-determination in connection with that application supplied on 16th and 18th March 2020.

'Waste' means waste as defined in point 1 of Article 3 of Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste.
`Hazardous waste' means hazardous waste as defined in point 2 of Article 3 of Directive 2008/98/EC.

‘Permissible periods of abnormal operation’ means any technically unavoidable stoppages, disturbances, or failures of the abatement plant or the measurement devices, other than continuous emission monitors for releases to air of particulates, TOC and/or CO, during which the concentrations in the discharges into air of the regulated substances may exceed the normal emission limit values.

The end of the permissible period of abnormal operation means the earliest of the following:

a) when the failed equipment is repaired and brought back into normal operation.

b) when the operator initiates a shutdown of the waste combustion activity, as described in the application.
c) when a period of four hours has elapsed from the start of the permissible period of abnormal operation.
d) when, in any calendar year, an aggregate of 60 hours has been reached for permissible periods of abnormal operation.

“start-up” is any period, where the plant has been non-operational, after igniting the auxiliary burner until waste has been fed to the plant in sufficient quantity to initiate steady-state conditions.

“shut-down” is any period where the plant is being returned to a non-operational state and there is no waste being burned.

The application and supplementary information are held on the public register.

Other terms may be defined in the relevant section of the permit.

Schedules applied in this permit

This permit applies the following schedules to the Regulations:
Schedule 13 — small waste incineration plant.

Public register
The application, the permit and documents concerned with the determination of the application and subsequent reports and correspondence are held on the public register, a copy of which is available to view free of charge during office hours.

Parts of the application are referred to in the conditions of this permit and form part of the permit to the extent that they specify equipment and procedures that are to be complied with by virtue of the relevant permit conditions.

Application of conditions
Emission limits and monitoring requirements set out in Sections 1 to 8 apply to the small waste co-incineration plant.

The small waste co-incineration plant.
Waste of the types described in Table W1 is received by the SWCP site having been sorted at the adjacent permitted Waste Management Site. Waste fuel is loaded into a mechanical loader which feeds the primary combustion chamber of a i8-1000 small waste co-incinerator. Waste gases from the incinerate i8-1000 pass to air by a 12m stack after passing through the secondary combustion chamber and treatment in the abatement system. Emissions are monitored using MCERTS compliant equipment meeting the requirements of EN 14181. A fuller description of the small waste co-incineration plant is set out in the Schedule 13 permit application document and Appendix **D** to the application. These documents are held on the public register.

Record of changes to this permit		
Date	**Change**	**Notes**

Articles applied in this permit

Permit conditions are cross referenced against the relevant Articles of the Directive 2010/75/EU (Industrial Emissions Directive)

Article 7; action in event of accidents or incidents	Section 7
Article 8(2); action in the event of a breach of permit conditions	Section 7
Article 45(1); (2) and (4); permitted waste types	Section 1A
Article 46; control of emissions	Section 3
Article 47; action in case of breakdown	Section 7
Article 48(1) to (4); monitoring and recording requirements	Section 5
Article 49; determining compliance with emission limit values	Section 5
Article 50; operating conditions	Section 3
Article 52; delivery and reception of waste	Section 1B
Article 53; minimization, storage and transport of residues	Section 6

Start of permit conditions

Section 1a Permitted waste types

Condition 1.1 The operator shall use no other waste types in the small waste co-incineration plant than those set out in Table W1.

Table WI: Permitted non-hazardous waste types (refer to Condition 1.1)			
Waste Code	Description	Detail	Permitted annual usage (tonnes per annum)
19 12 10	Refuse derived fuel	Sorted from adjacent permitted waste treatment site Permit number EPR/SP3196ZQ	6,048
Total			**6,048**

Condition 1.2 No hazardous waste shall be accepted at the small waste co-incineration plant.

Condition 1.3 Only the waste recovery operations identified in Table W2 shall be undertaken.

Table W2: Permitted Recovery and Disposal Activities (refer to Condition 1.3)		
European R/D Code	**Description of R/D Code**	**Limits of specified activity**
R1	Use principally as a fuel or other means to generate energy.	Operation of a small waste incineration plant, being a waste co-incineration plant, as defined in the Regulations and as specified within Article 42 of the Directive including all waste co-incineration activities

		reception and storage of incoming RDF to treatment and discharge of emissions from the stack (S1) and temporary storage of residues prior to removal for off-site management.

Condition 1.4 The maximum input of waste that may be co-incinerated in the small waste co-incineration plant is 6,048 tonnes per annum, at a rate not exceeding one tonne per hour.

Section 1b Delivery and reception of waste

Condition 1.5 The precautions set out in Section 3.2 of the application, relating to the delivery and reception of waste, shall be used to ensure that the pollution of air, soil, surface water and groundwater shall be prevented or limited as far as practicable.

Condition 1.6 The precautions set out in Section 3.2 of the application relating to the delivery and reception of waste shall be used to ensure that negative effects on the environment, odours and noise, and direct risks to human health shall be prevented or limited as far as practicable.

Condition 1.7 The mass of each type of waste, according to the European Waste List established by Decision 2000/532/EC, shall be determined prior to accepting the waste on site, and recorded.

Section 1c Commissioning

Condition 1.8 At least 3 months before the commencement of commissioning (or other date agreed in writing with the Local Authority) the Operator shall submit, for approval by the Local Authority, a methodology to verify the residence time, minimum temperature and oxygen content of the gases in the furnace whilst operating under normal load, minimum turn down and overload conditions.

Condition 1.9 The operator shall notify the Local Authority of the proposed date(s) that validation testing is planned for. Notification at least 3 weeks prior to validation testing

Condition 2.0 During commissioning the operator shall carry out validation testing to validate the residence time, minimum temperature and oxygen content of the gases in the furnace whilst operating under normal load and most un-favorable operating conditions. The validation shall be to the methodology as approved through pre-operational condition 1.8. Validation tests shall be completed before the end of commissioning period.

Condition 2.1 The operator shall submit a written report to the Local Authority on the validation of residence time, oxygen and temperature whilst operating under normal load, minimum turn down and overload conditions. The report shall identify the process controls used to ensure residence time and temperature requirements are complied with during operation of the incineration plant. The report shall be submitted within 2 months of the completion of commissioning.

Section 2 Emissions to water or land

Condition 2.1 There shall be no discharges from the small waste co-incineration plant to surface water, sewer or groundwater.

Condition 2.2 Prior to first operation and at all times provision shall be made for an impervious collection area for contaminated water due to fire-fighting, to prevent the pollution of the land and water. The small waste co-incineration plant building shall be maintained to ensure it shall contain contaminated water arising from fire-fighting.

Condition 2.3 In the event of a fire in the small waste co-incineration plant building that uses firewater for firefighting floodgates shall be deployed across all entrances to the small waste co-incineration plant building to contain contaminated water from fire-fighting within the small waste co-incineration plant building. Contaminated water shall be tested prior to removal to an off-site authorised treatment facility.

Condition 2.4 All liquids in containers, whose emission to water or land could give rise to pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

Section 3a Normal operating conditions

Condition 3.1 The operator shall not operate the small waste co-incineration plant unless the systems described in Section 3.3 of the application are functioning correctly.

Condition 3.2 The operator shall monitor the operation of the plant using the systems and equipment set out in Section 3.13 of the application, or an equivalent approved in writing by the Regulator.

Condition 3.3 Waste gases from the small waste co-incineration plant shall be discharged from the stack S1. The discharge height of the stack is 12m.

Condition 3.4 An automatic system shall be in place to stop waste feed into the primary combustion chamber if any continuous measurement shows that any emission limit value is exceeded due to disturbance or failure of the abatement equipment.

Condition 3.5 The heat recovery systems outlined in Section 4.2 of the application shall be used to ensure that heat is recovered as far as possible.

Condition 3.6 The small waste co-incineration plant shall be operated and controlled by a natural person who is competent to manage the plant. All operational staff at the plant shall receive the training referred to in documents set out in Section 5.3 of the application prior to commencing work at the plant. Records of the training shall be kept on site or at the operator's main offices.

Condition 3.7 The small waste co-incineration plant shall be operated in such a way that the gas resulting from the co-incineration of waste is raised in a controlled and homogeneous fashion, and even under the most unfavourable conditions, to a temperature of at least 850°C for at least two seconds.

Condition 3.8 An automatic system shall be in operation at all times to ensure that waste shall not be charged, or shall cease to be charged, if:

a) the temperature indicated by the temperature probe at the exit from the secondary combustion chamber is below, or falls below, 850°C; or
b) any continuous emission limit value in Table T2 is exceeded, other than under "permissible periods of abnormal operation"; or
c) the monitoring results required to demonstrate compliance with any continuous emission limit value in Table T2 are unavailable other than during "permissible periods of abnormal operation".

Section 3b Permissible periods of abnormal operation

Condition 3.10 The operator shall record the beginning and the end of each permissible period of abnormal operation.

Condition 3.11 In the event of any permissible period of abnormal operation the operator shall restore normal operation of the failed equipment or replace the failed equipment at the earliest possible time.

Condition 3.12 Where, during permissible periods of abnormal operation, on an incineration line, any of the following situations arise, waste shall cease to be charged on that line until normal operation can be restored:

a) continuous measurement shows that an emission exceeds any emission limit value in Table T2 due to disturbances or failures of the abatement systems, or continuous emission monitoring devices are out of service, as the case may be, for a total of 4 hours uninterrupted duration;
b) the cumulative duration of permissible periods of abnormal operation over 1 calendar year has reached 60 hours.
c) the emission limits in Condition 4.4 are not met.

Section 4 Emission limits to air

Condition 4.1 All emission limits shall be taken to be calculated at a temperature of 273.15K, a pressure of 101.3kPa, after correcting for the water content of the waste gases. The limits are standardised to 11% oxygen content for the parameters in Tables T1, T2 and Condition 4.3 and standardised to 6% oxygen for the parameter in Tables T3 and T4.

Condition 4.2 The emission limit values in Tables T1, T2, T3 and T4 shall apply to emissions from the small waste co-incineration plant through stack S1.

Note mg/Nm^3 means milligrams of pollutant per metre cubed of gas measured at standard reference conditions and ng/Nm^3 means nanograms of pollutant per metre cubed of gas measured at standard reference conditions (see Condition 4.1).

Table T1: Daily average emission limit values in mg/Nm^3	
Total dust	10
Organic substances in the gas or vapour phase as total organic carbon (TOC)	10
Hydrogen chloride (HCl)	10
Sulphur dioxide (SO_2)	50
Nitrogen monoxide (NO) and nitrogen dioxide (NO_2) expressed as NO_2	200

Table T2: Half-hourly average emission limit values in mg/Nm^3	
Polluting substance	97^{th} percentile
Total dust	10
Organic substances in the gas or vapour phase as total organic carbon (TOC)	10
Hydrogen chloride (HCl)	10
Hydrogen fluoride (HF)	2
Sulphur dioxide (SO_2)	50
Nitrogen monoxide (NO) and nitrogen dioxide (NO_2) expressed as NO_2	200

Table T3: Average emission limit values in mg/Nm^3 for heavy metals over a sampling period of a minimum of 30 minutes and a maximum of 8 hours	
Cadmium and its compounds expressed as cadmium (Cd)	Total 0.05
Thallium and its compounds expressed as thallium (Tl)	
Mercury and its compounds expressed as mercury (Hg)	0.05
Antimony and its compounds expressed as antimony (Sb)	Total 0.05
Arsenic and its compounds expressed as arsenic (As)	
Lead and its compounds expressed as lead (Pb)	
Chromium and its compounds expressed as chromium (Cr)	
Cobalt and its compounds expressed as cobalt (Co)	
Copper and its compounds expressed as copper (Cu)	
Manganese and its compounds expressed as manganese (Mn)	
Nickel and its compounds expressed as nickel (Ni)	
Vanadium and its compounds expressed as vanadium (V)	

Table T4: Average emission limit values in ng/Nm^3 for dioxins and furans at over a sampling period of a minimum of 6 hours and a maximum of 8 hours	
Dioxins and furans	0.1

Condition 4.3 The emission limits for carbon monoxide in the waste gases shall be, in mg/Nm^3:

(a) 50 as a daily average.
(b) 100 as a half-hourly average.
(c) 150 as a 10-minute average.

Condition 4.4: The following emission limits in mg/Nm^3 shall under no circumstances exceed:

(a) For carbon monoxide the limited stated in Condition 4.3 (b).
(b) For TOC the limit stated in Table 2.
(c) For particulate matter 150 as a half hourly average.

Section 5 Monitoring of emissions to air

Condition 5.1 Measurements for the determination of concentrations of polluting substances in waste gases from the small waste co-incineration plant shall be carried out in such a way that the samples are representative of the emissions. Sampling shall take place from points approved by the Regulator, before the plant is brought into operation, on the stack S1. The monitoring point shall meet the requirements of Environment Agency Monitoring Guidance Note TGN M1 "Sampling requirements for stack emission monitoring".

Condition 5.2 Sampling and analysis of polluting substances shall be carried out according to the standards set out in Tables T6 and T8. CEN standards or, where CEN standards are not available, to ISO or other national or international standards ensuring the provision of data of an equivalent scientific quality may be used, but prior written approval shall be sought from the Regulator in this event. Prior written approval shall be sought from the Regulator if sampling methods other than CEN standard methods are proposed.

Condition 5.3 The automated measuring systems described in Appendix D of the application shall be calibrated or, where appropriate, referenced, against CEN standard methods at least once each year.

Condition 5.4 For the daily emission level values, the 95% confidence intervals of individual results shall not exceed the percentages of the emission limit values in Table T5.

Table T5: percentages of emission limit values for condition 5.4	
Carbon monoxide (CO)	10%
Sulphur dioxide (SO_2)	20%
Nitrogen dioxide (NO_2)	20%
Total dust	30%
Total organic carbon (TOC)	30%
Hydrogen fluoride (HF)	40%
Hydrogen chloride (HCl)	40%

Condition 5.5 The measurements set out in Table T6 shall be carried out for air polluting substances.

Table T6: measurements for air polluting substances		
Polluting substance	Method/standard	Type of monitoring
Oxides of nitrogen /NOx)	BS EN 15267, parts 1-3	continuous
CO		
Total Dust		
Hydrogen chloride /HCl)		
Sulphur dioxide (SO_2)		
Total organic carbon TOC		

Note: the requirement to continuously monitor for HF is omitted.

Condition 5.6 The measurements set out in Table T7 shall be made for the process operation parameters in that table.

Table T7: measurements of type of monitoring continuous process operation parameters	
Process operation parameter	Type of monitoring
Temperature	Continuous
Oxygen concentration	
Pressure	
Moisture content of waste gas	

Condition 5.7 One measurement shall be made each three months of heavy metals, HF and dioxins and furans in waste gases during the first 12 months of operation of the plant. Thereafter, at the discretion of the Regulator, at least two measurements of these pollutants shall be made each year. Measurements shall be made using the methods specified in Table T8 and shall be made with the co-incineration plant operating under stable conditions.

Table T8: standards and methods for measurement of air polluting substances	
Process operation parameter	Method/ standard
Cadmium & thallium and compounds (total)	BS EN 14385
Mercury and compounds	BS EN 13211
Sn, As, Pb, Cr, Co, Cu, Mn, Ni, V and compounds (total)	BS EN 14385
Dioxins, furans	BS EN 1948 Pts 1, 2, 3
Hydrogen Fluoride	BS ISO 15713

Condition 5.8 The following parameters shall be verified while the plant is operating under the most unfavourable conditions anticipated, within one month of the plant coming into service.

(1) Residence time (secondary combustion chamber).
(2) Minimum temperature of waste gases at the outlet from the secondary combustion chamber.
(3) Oxygen content of waste gases at the outlet from the secondary combustion chamber.

Condition 5.9 In the case of periodic measurements, measured values shall not be adjusted to take account of the confidence intervals, but the uncertainty associated with the measurement shall be stated in the monitoring report to aid with determining compliance with the emission limit values.

Condition 5.10 The operator shall report their emissions monitoring data to the regulator within one month at the end of each quarter. All results shall be reported. The number of cumulative hours, where the half hour ELVs were exceeded for the quarter and for the year to date shall also be reported. Where monitoring is not in accordance with the main procedural requirements of the relevant standard, deviations shall be reported, including the reason for the deviation, as well as an estimation of the error involved.

Condition 5.11 All monitoring results shall be recorded, processed and presented in such a way as to enable the regulator to verify compliance with the operating conditions and emission limit values which are included in this permit.

Condition 5.12 The regulator shall be notified, sufficiently in advance, of any periodic monitoring or testing of the continuous monitoring system taking place to allow the regulator to witness the testing.

Section 6 Residues

Condition 6.1 The processes and procedures set out in Section 3.8 of the application shall be used to ensure that residues (bottom ash, heat exchanger ash and air pollution control residues) are minimised in their amount and harmfulness and that, where appropriate, residues are recycled at an authorised third-party off-site facility.

Condition 6.2 Transport and intermediate storage of dry residues shall be carried out in such a way as to prevent dispersal of those residues in the environment. Dusty residues shall be stored in such a way as to prevent emissions of dust and particulate matter beyond the site boundary.

Condition 6.3 The capacity of the bottom ash storage must be sufficient to hold the ash produced, based on the operational hours and burn rate permitted.

Condition 6.4 Appropriate tests shall be carried out to establish the physical and chemical characteristics and polluting potential of residues prior to determining the routes for disposal or recycling of those residues. The tests shall concern the total soluble fraction and heavy metals soluble fraction within the residues.

Condition 6.5 The small waste co-incineration plant shall be operated in such a way as to achieve a level of incineration such that the total organic carbon (TOC) content of bottom ashes from the primary combustion chamber is less than 3% or their loss on ignition (LOI) is less than 5% of the dry weight of the material.

Condition 6.6 Compliance with the limits of TOC or LOI in bottom ash stated in condition 6.4 shall be demonstrated by sampling and subsequent analysis of bottom ash samples in accordance with standard method BS EN 14899 every three months for the first twelve months from the date of this Permit and thereafter at a frequency determined by the regulator. More information on sampling can be found in Environment Agency publication TGN M4 “Guidelines for ash sampling and analysis”.

Condition 6.7 Incinerator bottom ash and heat exchanger ash shall be assessed in accordance with the Environment Agency's Technical Guidance WM3: "Waste Classification - Guidance on the classification and assessment of waste" (or the current equivalent guidance) and disposed of accordingly.

Section 7 Action in case of breakdown, accidents, incidents and breaches of permit conditions

Condition 7.1 In the event of any incident or accident significantly affecting human health or the environment the operator shall:

(1) immediately inform the Regulator;

(2) immediately take the steps set out in the document 'Environmental Management System for the Small Waste Co-incineration Plant' to limit the environmental consequences and to prevent further accidents or incidents including fires;

(3) take such complementary measures as required by the Regulator to limit the environmental consequences and to prevent further accidents and incidents.

Condition 7.2 In the event of any breach of permit conditions the operator shall

(1) immediately inform the Regulator;

(2) immediately take the measures required to ensure that compliance is restored in the shortest possible time;

(3) undertake complementary measures to include but not be limited to:

a) Investigate the issue and submit reports and updates in accordance with the requirements specified by the Regulator.

b) Adjust the process or activity to minimise any harmful effects on human health or the environment.

c) Demonstrate compliance as soon as possible.

d) Record the events and actions taken at the time these occur and submit these records to the Regulator.

Condition 7.3 In the event of a breakdown the operator shall reduce or close down the operation of the plant as soon as practicable until normal operations can be restored.

Condition 7.4 The operator shall:

(a) if notified by the Regulator that the activities are giving rise to pollution, submit to the Regulator for approval within the period specified, a revised management plan which identifies and minimises [the risks of pollution] [the risks of the pollution concerned];

(b) implement the approved revised management plan, from the date of approval, unless otherwise agreed in writing by the Regulator.

Section 8 Records

Condition 8.1 The operator shall keep records as set out in Table T9, which shall be made available for inspection on request by the Regulator.

Table T9: Records		
Matter to be recorded	Type of record	Time to be retained for
Waste types and quantities accepted	Consignment notes including waste codes	Statutory period of 2 years
Monitoring of waste gases	Electronic records including all the parameters required by permit conditions	6 years
Abnormal conditions	All relevant records including paper reports, emails and other electronic records	1 year
Training	Training given to relevant staff, with dates and reviews	Period person is employed in the small waste co-incineration plant + 1 year
Maintenance	All relevant records including paper and electronic records	6 years
Energy performance	Quarterly electronic records of waste input, electrical output and heat output.	2 years

Section 9 Management

Condition 9.1 The operator shall manage and operate the small waste co-incineration plant:

(a) In accordance with a written management system that identifies and minimises risks of pollution including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints. The written management system shall include written systems covering, but not restricted to, the following areas:

(1) Cleaning and maintenance, see condition 9.2
(2) Training and plant operation, in accordance with condition 3.7
(3) Waste acceptance criteria, in accordance with sections 1a and 1b
(4) Residue storage and disposal, in accordance with conditions 6.1, 6.2, 6.3 and 6.6
(5) Emission monitoring, in accordance with section 5
(6) Plant failures and non-conformances, including the management of waste during plant down time, in accordance with sections 3b and 7
(7) Accident prevention and management including fire prevention and management, in accordance with condition 7.1
(8) Record keeping, in accordance with section 8

(b) Using competent persons and adequate resource

Records demonstrating compliance with (a) and (b) shall be maintained by the operator and made available for inspection on request by the Regulator.

Condition 9.2 A schedule of preventative maintenance and cleaning for all items of plant and equipment and buildings which have a role in controlling emissions shall be implemented for the small waste co-incineration plant. Where applicable, manufacturers' recommendations shall be followed. Records of all such maintenance undertaken in accordance with the schedule shall be made and retained on site and made available to the regulator upon request.

Condition 9.3 In addition to the items listed in Table T9, condition 8.1, the following records shall be retained on site for a minimum of six years and made available to the regulator upon request:

(1) All inspections both by external bodies and internal employees.
(2) Maintenance including cleaning, maintenance undertaken by external contractors or internal personnel, particularly in relation to the maintenance schedule required by condition 9.2, and breakdowns.
(3) Copies of manufacturers' operating manuals and internal operating procedures

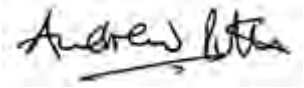
Condition 9.4 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it and a copy of the permit application (sections 3.2, 3.3, 3.13, 4.2 and 5.3) kept at or near the place where those duties are carried out.

Section 10 Energy Recovery

The operator shall:
(a) take appropriate measures to ensure that energy is recovered with a high level of energy efficiency and energy is used efficiently in the activities.
(b) report energy recovery to the regulator on annual basis
(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
(c) take any further appropriate measures identified by a review.

End of permit conditions

Signed: Andrew Pitts, Assistant Director Neighbourhoods Date: 27/01/2025



An authorised officer of Calderdale Metropolitan Borough Council

Appendix A Permit determination timetables

Table A1 permit application determination		
Event	Date	Notes
Application received	06/08/2020	
Duly made	06/08/2020	
Schedule 5 notice served	18/09/2020	Response received 16/10/2020
Consultation start		
Consultation end	25/9/2020	
Responses considered	25/09/2020 to	
Draft permit published	01/02/2021	
Permit refused/ granted	08/02/ 2021	
High Court Quashing Order	17/09/2021	
Notice of non-determination	23/05/2022	
Appeal against deemed refusal	26/05/2022	
Appeal hearing 1	29-30/11/2022	
Appeal hearing 2	30/05/2023	
Appeal decision	05/07/2023	Appeal Dismissed
New application received	26/01/2024	
Consultation 1	26/02/2024	Ends 1st April 2024
Consultation 2	23/05/2024	Ends 6th June 2024
Consultation 3	14/10/2024	Ends 4th November 2024
Determination date	28/11/2024	

Appendix B Provenance of Permit Conditions

The conditions in Sections 1 to 8 have been written to implement the requirements of Schedule 13 of the Regulations, taking into account information provided by the applicant. The requirements of Schedule 13 are framed in terms of articles of the recast Industrial Emissions Directive 2010/75/EU.

Table B1 permit conditions implementing Schedule 13 requirements		
Schedule 13 requirement	Subject	Conditions, notes
Article 5(1), 5(3)	granting a permit	Procedural
Article 7	regulator to require operator to take action in event of accidents or incidents	Section 7 Condition 7.1
Article 8(2)	regulator to require operator to take action in the event of a breach of permit conditions	Section 7 Condition 7.2
Article 9	greenhouse gases	Procedural
Article 42(1)	scope of chapter on waste incineration/ co-incineration (i.e., applicability to types of waste etc.)	Procedural
Article 43	definition of 'residue'	Procedural
Article 45(1), 45(2), 45(4)	(1)(a) permit conditions to include list of permitted waste types, total capacity of plant, limit values for emissions, sampling and measurement frequencies; (1)(f) limits on periods of higher emissions; (2) list of quantities of hazardous waste; (4) requirement to review permit conditions.	Section 1 Section 4 Section 3b Procedural
Article 46	control of emissions, and emission limits to air and water; prevention of accidental releases to air, land and water, including storage of contaminated rainwater in the event of spillage, fire; plant not to be run for more than 4 hours where emission limits not met.	Section 2 Condition 2.1 Section 3 (Condition 3.10) Section 4
Article 47	action in case of breakdown	Section 7 Condition 7.3
Article 48(1) 48(2) 48(3) 48(4)	monitoring and recording requirements	Section 2 Section 5 — point 2.3 of Part 6 of Annex VI has been applied.
Article 49	determining compliance with emission limit values	Procedural

Article 50	specifying operating conditions including temperature and residence times, automatic feed systems, interlocks	Section 3 — no Article 51 changes authorised.
Article 51(1) (2) (3)	authorising changes to operating conditions	
Article 52	requirements for delivery and reception of waste	Section 1
Article 53	minimisation, storage and transport of residues	Section 6
Article 54	substantial change definition	Adopted from IED
Article 55	information to be made available to the public	Procedural
Article 82(5), 82(6)	transitional arrangements	Procedural

Biomass is defined in 2010/75/EU.

Drawings and plans

Plan S13/005/P1 adapted from Permit Boundary Plan 1902-0002-01 and Drawing 1 JER1902-PER-001_D_200702_Emission Point Plan.

Plan S13/005/P1 showing the boundary of the small waste co-incineration plant (Green)

Documents referenced in this permit

Document name	Notes
Appendix A Application Form Appendix_A_Calder Valley Skip Hire Ltd S13 application form V1.pdf Calder Valley Skip Hire Ltd S13 application form V1 (signature removed)	
Appendix C Noise Assessment\Appendices Noise assessment.PDF NOISE REPORT-1211394.PDF Plus appendices to noise report	
Appendix D Technical Documents 18-1000.pdf Inciner8 System Overview CEMS.pdf pollution-control-systems. pdf Zuccato Sk ZE-200-LT 190320 EN.pdf	
Appendix E Air Quality Assessment AQ assessment.pdf	
Appendix F Residence Time Calculation Inciner818-1000 Residence Times 18.03.2020.pdf	
Appendix G Process flow diagram JER 1902 Calder Valley SWIP Process Flow Diagram.pdf	
Drawing 1 JER1902-PER-001_D_200702_EmissionPointPlan Drawing	
Drawing 2_9677_17_ 03C ii Layout Drawing	
Drawing 3_9677.17.35A Existing Drainage Drawing	
Additional Documents Submitted for the Permit Redetermination	
Drawing Revised Application Site Plan - Permit Boundary Plan 1902-0002-01	
Air Quality Response to AQC Review of Air Quality dated 15 March 2022	
Human Health Risk Assessment C98-P09-R01 Calder Valley HHRA February 2022	
Environmental Management System 220315 R JER1902 TH EMS Addendum for SWIP V2R1	
CFD Modelling CVSH SWIP CFD Flow Simulation Report 17.03.22	

Note: Appendix B of the application is a decision notice relating to planning appeals for the site.

Explanatory notes

These notes are not permit conditions. They are included so that the operator is aware of matters relevant to, but not part of, the permit. They reflect the statutes and statutory guidance in place at the date of issue of the permit and subsequent s.

1. This Permit is given in relation to the requirements of the Environmental Permitting (England and Wales) Regulations 2016 (as amended). It must not be taken to replace any responsibilities under workplace Health and Safety Regulations.

2. This Permit does not detract from any other statutory requirement, such as the need to obtain planning permission, building regulation approval, hazardous substances consent, discharge consents, waste disposal licence or any licence or consent from the Environment Agency.

3. The annual subsistence fee is due on 1 April each year. Failure to pay the fee will lead to revocation of the Permit.

4. The operator may apply for a variation to the conditions of this permit. A fee will be payable in certain cases.

5. The operator may surrender this permit in whole or in part if the small waste co-incineration plant ceases to operate. A fee will be payable, subject to applicable regulations.

6. The operator may, on joint application with another proposed operator, apply to transfer this permit to the proposed operator. A fee will be payable in this case.

7. Application forms and more information about environmental permitting can be found on Calderdale Metropolitan Borough Council's website www.calderdale.gov.uk

8. All enquiries and notifications made in relation to this Permit should be made to:

Calderdale Metropolitan Borough Council
Environmental Health
c/o Town Hall
Crossley Street
Halifax
HX1 1UJ

Tel: 01422 288001
Email: environmental.health@calderdale.gov.uk

Incidents occurring outside office hours can be reported by telephoning 01422 288000 and asking for the Out of Hours Officer. In this case notification should also be sent by email to the address above.