CANNOCK CHASE COUNCIL

NOTICE OF VARIATION AND CONSOLIDATION WITH INTRODUCTORY NOTE

THE ENVIRONMENTAL PERMITTING (ENGLAND & WALES) REGULATIONS 2016

Central Milled Lead Limited,
The Lead Mill,
Rolling Mill Road,
Norton Canes,
Staffordshire.
WS11 3UH

PERMIT NUMBER

EPR 2/20 2/20

CENTRAL MILLED LEAD LTD

Permit number EPR 2/20 2/20

INTRODUCTORY NOTE

THIS INTRODUCTORY NOTE DOES NOT FORM A PART OF THE NOTICE

The following Permit is granted under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016 (S.I.2016/1154) ("the EP Regulations") to operate an installation carrying out one or more of the activities listed in Schedule 1, Section 2.2, Part A(2)(a)(i) of those Regulations, to the extent authorised by the Permit:

Melting, including making alloys of, non-ferrous metals, including recovered products and operating of non-ferrous metal foundries where the plant has a melting capacity of more than 4 tonnes per day for lead or cadmium or 20 tonnes per day for all other metals, and no furnace (other than a vacuum furnace), bath or other holding vessel used in the plant for the melting has a design holding capacity of 5 or more tonnes.

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations and a notice in that consolidated permit.

Changes introduced by this variation notice/statutory review

This variation has been issued to update some of the conditions following a statutory review of the permits in the industry sector for non-ferrous metals. The opportunity has been taken to consolidate the original permit and subsequent variations.

The Industrial Emissions Directive (IED) came into force on 7th January 2014 with the requirement to implement all relevant Best Available Techniques ('BAT') Conclusions as described in the Commission Implementing Decision. The BAT Conclusions ('BATc') for the non-ferrous metals industries were published on 30th June 2016 in the Official Journal of the European Union (L174) following a European Union wide review of BAT, implementing decision (EU) 2016/1032 of 13th June 2016. The BATc for this installation which apply from 13th June 2020 are 1-19 and 90-107.

The schedules specify the changes made to the permit. Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

Brief Description of the Process

The installation is centred at National Grid Reference (NGR) E.401950/N.307540, at a site off Betty's Lane, south of town of Norton Canes in Staffordshire. The primary business of the manufacture and production of rolled lead sheet.

Central Milled Lead Limited operates a process in which pure lead ingot, clean lead scrap, and off cuts arising from fabrication work, and recyclable clean scrap lead (old roofing sheet only and not contaminated by bitumen or other tar based products) is melted in an indirectly fired melting furnace.

The first furnace consists of a melting pot and a separate combustion chamber. The pot is made from 25mm steel plate and is circular in plan with a diameter of 1060mm. It is 800mm deep to the lip, and has a partially sloped floor. The pot has a holding capacity of approximately 4.9 tonnes of lead. The pot is enclosed by the annular combustion chamber which has an external diameter of 1750mm. This chamber is insulated on the outer wall.

The second new furnace is similar to the above with a diameter of 1080mm and holding capacity of 4.89 tonnes. The pot is also enclosed by an insulated annular combustion chamber.

The company utilises a low density Ceramic Filtration System to abate releases of particulate matter from the melting furnace.

The heat source of the furnaces is a gas/ air burner with a maximum rating of 234kW.

The exhaust gasses are emitted though a stack known as A1.

Once molten, the lead is cast into slabs suitable for rolling. Each slab weighs approximately 2 tonnes. Tapping is through a manually controlled tap fitted near the base of the melting pot.

The associated rolling mill is located in the same building as the melting furnace. It consists of a matched pair of electrically driven steel rollers 1830mm wide with feed and discharge roller tables at either side.

Status log of the permit		
Description	Date	Comments
Authorisation	10th April 2003	Permit reference 1/2.2(2)/02
Variation notice & consolidated permit	24th February 2011	IPPC 1/2.2(2)/02/P1
Variation notice & consolidated permit	8th May 2013	IPPC 1/2.2(2)/02/P2
Variation notice & consolidated permit	6th June 2015	IPPC 1/2.2(2)/02/P3
Variation notice & consolidated permit	10th December 2018	IPPC 1/2.2(2)/02/P4

NOTICE OF VARIATION AND CONSOLIDATION

THE ENVIRONMENTAL PERMITTING (ENGLAND & WALES REGULATIONS 2016

Cannock Chase Council in exercise of its powers under regulation 20 of the Environmental Permitting (England & Wales) Regulations 2016 varies and consolidates

PERMIT NUMBER

EPR 2/20 2/20

ISSUED TO

Central Milled Lead Limited ("the operator")

Whose registered office is

Central Milled Lead Limited,
The Lead Mill,
Rolling Mill Road,
Norton Canes,
Staffordshire.
WS11 3UH
Company Registration Number 04291304

To operate an installation at:

Central Milled Lead Limited,
The Lead Mill,
Rolling Mill Road,
Norton Canes,
Staffordshire.
WS11 3UH

To extent set out in the schedules.

The notice shall take effect from 1st April 2020

Signed

Head of Environment and Healthy Lifestyles

The Proper Officer Designated to sign on behalf of the Council

Cannock Chase District Council

Dated

SCHEDULE 1

All conditions have been varied by the consolidated permit.

SCHEDULE 2 - CONSOLIDATED PERMIT

Consolidated permit issued as a separate document

PERMIT

THE ENVIRONMENTAL PERMITTING (ENGLAND & WALES) REGULATIONS 2016

PERMIT NUMBER

EPR 2/20 2/20

This is the consolidated permit referred to in the variation and consolidation notice authorising:

Central Milled Lead Limited ("the operator")

Whose registered address is

Central Milled Lead Limited,
The Lead Mill,
Rolling Mill Road,
Norton Canes,
Staffordshire.
WS11 3UH

Company Registration Number 04291304

To operate an installation at

Central Milled Lead Limited,
The Lead Mill,
Rolling Mill Road,
Norton Canes,
Staffordshire.
WS11 3UH

To the extent authorised by and subject to the conditions of this permit

Signed

Head of Environment and Healthy Lifestyles

The Proper Officer Designated to sign on behalf of the Council

Cannock Chase District Council

Dated

CONDITIONS

1. MANAGEMENT

1.1. GENERAL MANAGEMENT

1.1.1. The operator shall manage and operate the activities:

a) In accordance with Table 2, implement a written environmental management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

b) Using sufficient competent persons and resources.

1.1.2. Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3. 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 kept at or near the place where those duties are carried out.

1.2. ENERGY EFFICIENCY

1.2.1. The operator shall:

a) In accordance with Table 2, take appropriate measures to ensure that energy is used efficiently in the activities;

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

1.3. PROCESS CONTROL

1.3.1. In accordance with Table 2, stable process operations shall be maintained.

1.4. EFFICIENT USE OF RAW MATERIALS

1.4.1. The operator shall:

a) Take appropriate measures to ensure that raw materials are used efficiently in the activities. Appropriate techniques shall include those listed in Table 2;

b) Maintain records of raw material used in the activities

c) Review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

d) Take any further appropriate measures identified in the review.

1.5. AVOIDANCE, RECOVERY AND DISPOSAL OF WASTES PRODUCED BY THE ACTIVITIES

1.5.1. The operator shall organise operations on site so as to facilitate the reuse or, failing that, process residues recycling by the method(s) laid out in Table 2.

1.5.2. The operator shall review and record at least every four years whether changes to those measures should be made, and take any further appropriate measures identified by a review.

2. OPERATIONS

2.1. PERMITTED ACTIVITIES

2.1.1. The operator is only authorised to carry out the activities specified in Table 1.

2.2. THE SITE

2.2.1. The activities shall not extend beyond the site, being the land shown edged in red on the site plan at Figure 1to this permit.

2.3. OPERATING TECHNIQUES

2.3.1. The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in Table 2 unless otherwise agreed in writing by the regulator.

2.3.2. If notified by the regulator that the activities are giving rise to pollution, the operator shall submit to the regulator for approval within the period specified, a revision of any plan or other documentation ("a plan") specified in Table 2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the regulator.

2.3.3. Any raw materials specified in Table 4 shall conform to the specifications set out in that table and conform to the storage specifications set out in Table 5.

2.3.4. The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to receipt of the waste:

a) The nature of the waste;
b) The composition of the waste;
c) The handling of the waste;
d) The hazardous property associated with the waste, if applicable; and
e) The waste code of the waste.

2.4. IMPROVEMENT PROGRAMME

2.4.1. The operator shall complete the improvements specified in Table 3 by the date specified in that table unless otherwise agreed in writing by the regulator.

2.4.2. Except in the case of an improvement which consists only of a submission to the regulator, the operator shall notify the regulator within 14 days of completion of each improvement.

3. EMISSIONS AND MONITORING

3.1. EMISSIONS TO WATER, AIR OR LAND

3.1.1. There shall be no point source emissions to water, air or land except from sources and emission points listed in Table 7, Schedule 2.3.

3.1.2. The limits given in table 7 shall not be exceeded.

3.1.3. Techniques listed in Table 2 shall be employed to prevent / reduce emissions to air.

3.2. EMISSIONS OF SUBSTANCES NOT CONTROLLED BY EMISSION LIMITS

3.2.1. Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures including, but not limited to, those specified in any approved emissions management plan as required in Table 2, have been taken to prevent or where that is not practicable, to minimise those emissions.

3.2.2. 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, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

b) Implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the regulator.

3.2.3. All liquids in containers, whose emission to water or land could cause 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.

3.3. ODOUR

3.3.1. Emissions from the activities shall be free from offensive odour beyond the process boundary, as perceived by an authorised officer of The Council, unless the operator has used appropriate measures including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise odour.

3.3.2. The operator shall:

a) If notified by the regulator that the activities are giving rise to pollution outside the site due to odour, submit to the regulator for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

b) Implement the approved odour management plan from the date of approval, unless otherwise agreed in writing by the regulator.

3.4. NOISE & VIBRATION

3.4.1. The activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of The Council, unless the operator has used appropriate measures including, but not limited to,

those specified in any approved noise and vibration management plan to prevent, or where that is not practicable to minimise, the noise and vibration.

3.4.2. The operator shall:

a) If notified by the regulator that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the regulator for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

b) Implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing with the regulator.

3.5. MONITORING

3.5.1. The operator shall, unless otherwise agreed in writing by the regulator, undertake the monitoring specified in the following tables in Schedule 2.3 to this permit.

a) All sources specified in Table 7 to this permit.

3.5.2. The operator shall maintain records of all monitoring required by this permit, including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3. Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate),

3.5.4. Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 3 – Emissions and monitoring, Table 7 unless otherwise agreed in writing with the regulator.

4. INFORMATION

4.1. RECORDS

4.1.1. All records required to be made by this permit shall:

a) Be legible;
b) Be made as soon as reasonably practicable;
c) If amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
d) Be retained, unless otherwise agreed in writing by the regulator, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
   I. Off-site environmental effects; and
   II. Matters which affect the condition of the land and groundwater.

4.1.2. The operator shall keep on site all records, plans and the management system required to be maintained in this permit, unless otherwise agreed in writing by the regulator.

4.2. REPORTING

4.2.1. The operator shall send all reports and notifications required by the permit to the regulator using contact details supplied in writing by Cannock Chase Council.

4.2.2. A report or reports on the performance of the activities over the previous year shall be submitted to the regulator by 31 January (or other date agreed in writing by the regulator) each year. The report(s) shall include as a minimum:

a) A review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
b) The performance parameters set out in Table 9.

4.2.3. Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the regulator, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

a) In respect of the parameters and emission points specified in Table 9.
b) For the reporting periods specified in Table 9; and
c) Giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4. The operator shall, unless notice under this condition has been served within the preceding four years, submit to the regulator, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent , or where that is not practicable, to minimise pollution.

4.3. NOTIFICATIONS

4.3.1. In the event:

a) That the operation of the activities give rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately –
   I. Inform the regulator

II. Take the measures necessary to limit the environmental consequences of such an incident or accident, and

III. Take the measures necessary to prevent further possible incidents or accidents;

b) Of a breach of permit condition the operator must immediately –

I. Inform the regulator, and

II. Take measures necessary to ensure that compliance is restored within the shortest possible time;

c) Of breach of a permit condition which poses an immediate danger to human health or threatens to cause immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2. Any information provided under condition 4.3.1 (a)I, or 4.3.2 (b)I where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending information listed in Schedule 5 to this permit within the time period specified in that schedule.

4.3.3. Where the regulator has requested in writing that it shall be notified when the operator is to undertake monitoring and / or spot sampling, the operator shall inform the regulator when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the regulator at least 14 days before the date the monitoring is to be undertaken.

4.3.4. The regulator shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

a) Any change in the operator's trading name, registered name or registered office address; and

b) Any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up

Where the

c) Any change in the operator's name or address; and

d) Any steps taken with a view to the dissolution of the operator.

4.3.5. Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

a) The regulator shall be notified at least 14 days before making the change; and

b) The notification shall contain a description of the proposed change in operation.

4.3.6. The regulator shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.7. The operator shall notify the local authority at least 14 days prior to undertaking extractive monitoring.

4.4. INTERPRETATION

4.4.1. In this permit the expressions listed in Schedule 2.6 shall have the meaning given in that schedule.

4.4.2. In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately" in which case it may be provided by telephone.

SCHEDULE 2.1 – OPERATIONS

Table 1: Activities

Description of Activities	Schedule 1 Activity	Limits of Activities
Melting and casting into slabs more than 4 tonnes per day of lead using two furnaces both with a design holding capacity of under 5 tonnes.	Section 2.2 Part A2 (a)(i).	Within the two melting furnaces fitted with ducted extraction and abatement.
Receipt, storage and handling of scrap metal prior to processing	Associated activity	Storage and handling in accordance with section B2.1 of the original application.
Receipt, handling and storage prior to use of all other raw materials.		Within areas shown in Figure 1: Site Plan.
Storage of dross, slag and other waste materials prior to removal from site		

Table 2: Management and Operating Techniques to achieve compliance with permit conditions

Condition to comply with	Techniques
Condition 1.1 **Environmental Management System**	Implement and adhere to an environmental management system (EMS) such as ISO 14001 Environmental Management that incorporates all of the following features: (a) commitment of the management, including senior management; (b) definition of an environmental policy that includes the continuous improvement of the installation by the management; (c) planning and establishing the necessary procedures, objectives and targets, in conjunction with financial planning and investment; (d) implementation of procedures paying particular attention to: (i) structure and responsibility, (ii) recruitment, training, awareness and competence, (iii) communication, (iv) employee involvement, (v) documentation, (vi) effective process control, (vii) maintenance programmes, including performance of dust abatement systems (viii) emergency preparedness and response, (ix) safeguarding compliance with environmental legislation; (e) checking performance and taking corrective action, paying particular attention to: (i) monitoring and measurement (see also the Reference Report on Monitoring of emissions to Air and Water from IED installations-ROM), (ii) corrective and preventive action, (iii) maintenance of records, (iv) independent (where practicable) internal or external auditing in order to determine whether or not the EMS conforms to planned arrangements and has been properly implemented and maintained; (f) review of the EMS and its continuing suitability, adequacy and effectiveness by senior management; (g) following the development of cleaner technologies; (h) consideration for the environmental impacts from the eventual decommissioning of the installation at the stage of designing a new plant, and throughout its operating life; (i) application of sectoral benchmarking on a regular basis.
Condition **1.2** **Energy Efficiency**	In order to use energy efficiently, the following measures and techniques shall be used: • Utilise an energy efficiency management system such as ISO 5001 • Employ insulation around high temperature equipment, including furnaces and launders.
Condition **1.3** **Process Control**	Use a process control system together with: • Inspection and selection of input materials according to the process and the abatement techniques applied • Feed weighing and metering systems • Monitor gas temperature, pressure drop and ESP current parameters of the air emission abatement plant and gaseous components
Condition **1.4** **'Efficient use of raw materials'**	In order to increase raw materials' yields, metals other than lead shall be separated by: • No additional measures identified.
Condition **1.5**	In order to minimise waste, the following techniques shall be employed:

Condition to comply with	Techniques
Avoidance, recovery and disposal of wastes produced by the activities	• Reuse residues in the smelting process to recover lead.
Condition **3.1** **Emissions to water, air or land** Condition **3.2** **'Emissions of substances not controlled by emission limits'** & Condition **3.3** **'Odour'**	**Management Plan** • Implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the regulator.
	Raw Material Storage: Diffuse emissions shall be prevented by the following techniques: • Enclosed buildings or silos/bins for storing dust-forming materials such as concentrates, fluxes and fine materials. • Tank construction materials that are resistant to the contained materials. Regular cleaning of the storage area and, when needed, moistening with water.
	Raw Material handling & transport: Diffuse emissions shall be prevented by the following techniques: • Minimise transport distances. • Minimise the drop height of conveyor belts, mechanical shovels or grabs. • Minimise material transfers between processes.
	Raw Material Preparation (such as metering, mixing, blending, crushing cutting , screening): In order to prevent or reduce emissions the following techniques shall be used: • Use an enclosed system, sending emissions to an abatement system. • Mixing of materials within an enclosed building • Palletisation of raw materials
	Charging, smelting and tapping operations: In order to prevent or reduce emissions the following techniques shall be used: • Use a bag filter system. • Use Sealed or enclosed furnaces with a door sealing. • Operate furnace and gas routes under negative pressure and at sufficient gas extraction rate to prevent pressurisation. • Maintain furnace sealing. • Maintain the temperature in the furnace at the lowest required level, not exceeding 420°C. • Select and feed the raw material according to the furnace and abatement systems used to reduce organic compounds and PCDD/F emissions. • Optimise the combustion conditions to reduce the emissions of organic compounds and PCDD/F emissions. • Use charging systems to give small additions of raw materials.
	Re-melting, refining and casting: In order to prevent or reduce diffuse emissions the following techniques shall be used: • Hood on the crucible furnaces with an air extraction system. • Temperature control of the melt as required above.

Table 3: Improvement programme requirements

Reference	Improvement Condition	Completion Date
Condition 1.1 and Table 2	Implement and adhere to an environmental management system (EMS) such as ISO 14001	13 June 2020.
Condition 1.2 and Table 2	Utilise an energy efficiency management system such as ISO 5001.	13 June 2020.

SCHEDULE 2.2 – WASTE TYPES, RAW MATERIALS AND FUELS

Table 4: Primary & auxillary raw materials and other substances consumed in the process that form part of the product.

Material	Reason for use	Quantity per year / Fate
Primary Raw Materials		
Lead Ingot.	Primary source of pure lead for the production of milled sheet lead	Approximately 1350-1500 tonnes
Clean scrap lead, waste classification code[1] 17 04 03.	An additional source of lead as a primary raw material for the production of milled sheet lead.	Approximately 500 tonnes.
Auxillary Raw Materials – materials other than fuel and water which are required for the manufacturing activities but which do not form part of the product.		
Material	**Reason for use**	**Fate**
Oils, greases and other lubricants	As required for engineering purposes and fork lift trucks	Disposal off site
Other consumables and raw materials used in the process		

Table 5: Storage areas for listed materials

Material	Location of storage on site	Description of storage on site	Storage conditions
Lead ingot	Stored in the melting room against the outside wall and roller shutter doors	On a concrete-floored area	Under cover
Scrap Lead	Stored in the warehouse (see location plan in condition 3.2)	On moveable pallets.	
Lead sheet roll end returns and saw dust from rolling mill process.	No storage onsite. Re-melted at the end of each working process.		
Oils, greases and other lubricants	Stored in steel drums in the machine room.	Storage of oils on bunded pallets*	No storage of oils unless bunded.

** Bunded structures to a capacity of 110% of the largest container stored or 25% of the total volume of liquid stored, whichever is the greater, or where hard-standing is used that all drains are fitted with interceptors. All storage shall be fitted with high level alarms or volume indicators. Where practicable the filling system shall be interlocked to the alarm system. All drainage within the oil or chemical storage areas shall be fitted with interceptors and discharge to foul sewer only.*

[1] https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/719394/Waste-classification-technical-guidance-WM3.pdf

Table 6: Waste stored on site

Description of waste	Location of storage on site	Manner of storage	Storage conditions
Filtration plant dust	Within the storage areas identified on the plan in Figure 1 or within the buildings	Storage within closed steel containers.	Sealed container storage only.
Oils, greases and other lubricants		**Bunded oil stands.	Sealed drums, until removed by licensed contractor.
Drosses from melting		Storage within closed steel containers.	Sealed container storage only.
Lead waste from the rolling process	No storage onsite. Re-melted at the end of each working process.		
General wastes (paper/plastic)	Stored in bins around the factory.	Open and covered bins.	Stored in a skip until removal by a licensed contractor.

*** Bunded structures to a capacity of 110% of the largest container stored or 25% of the total volume of liquid stored, whichever is the greater, or where hard-standing is used that all drains are fitted with interceptors. All storage shall be fitted with high level alarms or volume indicators. Where practicable the filling system shall be interlocked to the alarm system. All drainage within the oil or chemical storage areas shall be fitted with interceptors and discharge to foul sewer only.*

SCHEDULE 2.3 – EMISSIONS AND MONITORING

Table 7: Point source emissions to air - emission limits and monitoring requirements Effective until 12 June 2020

Emission point ref. as indicated on Figure 1	Source	Parameter	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard Method	Accreditation
A1	Combined exhaust from 2 x furnaces	Total particulate	20 mg/Nm^3	As a daily average	Continuous	EN 13284-2	Sampling to MCERTS standard
				Average over the sampling period	Biennially	EN 13284-1	
		Total particulate (Lead as metal)	2 mg/Nm^3	Average over the sampling period	Biennially	EN 14385	
		Visible emissions of smoke and / or particulate matter from any combustion process within the installation.	No visible smoke in normal operation and in any case shall not exceed the equivalent of Ringelmann Shade 1.		Visual daily check.	BS 2742:2009	
Assessed at locations downwind of the process, on the installation boundary.	All Sources	Odour	No offensive odour beyond the process boundary.	At least 5 minutes for every 24 hours of operation.	Daily		

Table 8: Point source emissions to air - emission limits and monitoring requirements Effective from 13 June 2020

Emission point ref. as indicated on Figure 1	Source	Parameter	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard Method	Accreditation
A1	Combined exhaust from 2 x furnaces	Dust	4 mg/Nm^3	Average over the sampling period	Once per year	EN 13284-1	Sampling to MCERTS standard
		Lead and its compounds, expressed as Pb	1 mg/Nm^3	Average over the sampling period	Once per year	EN 14385	
		Antimony and its compounds, expressed as Sb	n/a				
		Arsenic and its compounds, expressed as As					
		Cadmium and its compounds, expressed as Cd					
		Copper and its compounds, expressed as Cu					
		Nickel and its compounds, expressed as Ni					
		Total volatile organic compounds (TVOC)	30 mg/m^3	Average over the sampling period	Once per year	EN 12619	
		Dioxins (PCDD/F)	0.1 ng1 - TEQ/m^3	Average over a sampling period of at least six hours	Once per year	EN 1948 parts 1,2 and 3	
		Visible emissions of smoke and / or particulate matter from any combustion process within the installation.	No visible smoke in normal operation and in any case shall not exceed the equivalent of Ringelmann Shade 1.		Visual daily check.	BS 2742:2009	
Assessed at locations downwind of the process, on the installation boundary.	All Sources	Odour	No offensive odour beyond the process boundary.	At least 5 minutes for every 24 hours of operation.	Daily		

SCHEDULE 2.4 – REPORTING

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table 9: Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1	A1	Annually for extractive monitoring	1st January

Table 10: Performance Parameters

Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh
Pollutant releases and off site waste transfers pursuant to the establishment of a European Pollutant Release and Transfer.	Upon receipt of an information notice served by the regulator, information to be provided with the period specified within the notice.	As per instructions provided.

Media / Parameter	Reporting Format	Date of Form
Air		
Energy usage		
Waste subject to conditions **4.3.5**		

SCHEDULE 2.5 – NOTIFICATION

These pages outline the information that the operator must provide.

Units of measurement used in information supplied Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

PART A

Permit number	
Name of operator	
Location of facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substance(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference / source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substance(s) detected	
Concentrations of substances detected	
Date of monitoring / sampling	

PART B – TO BE SUBMITTED AS SOON AS PRACTICABLE

Any more accurate information on the matters for notification under Part A	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months	

Name*	
Post	
Signature	
Date	

*authorised to sign on behalf of the operator

SCHEDULE 2.6 - INTERPRETATION

Table 11: Interpretation of words & phrases

Reference	Meaning
"accident"	An accident that may result in pollution.
"application"	The application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.
"authorised officer"	Any person authorised by Cannock Chase Council under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.
"averaged over the sampling period"	The average value of three consecutive measurements of at least 30 minutes each, unless otherwise stated, as defined in the *General Considerations* section of the Non-Ferrous Metals BAT Conclusions. For batch processes, the average of a representative number of measurements taken over the total batch time or the result of a measurement carried out over the total batch time can be used.
"BAT-AELs"	BAT associated emission levels, i.e. the emission levels associated with the best available techniques for emissions to air and /or water, as set out in the Non-Ferrous Metals BAT Conclusions.
"daily average"	The average over a period of 24 hours of valid half-hourly or hourly averages obtained by continuous measurements, as defined in the *General Considerations* section of the Non-Ferrous Metals BAT Conclusions. A half-hourly or hourly average shall be considered valid if measurements are available for a minimum of (a) 20 minutes during the half hour, or (b) 40 minutes during the hour. The number of half-hourly of hourly averages so validated shall not exceed 5 per day.
"EP Regulations"	The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.
"emissions of substances not controlled by emission limits"	Emissions of substances to air, water or land from activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.
"groundwater"	Means all water, which is below the surface of the ground in the saturated zone and in direct contact with the ground or subsoil.
"hazardous property"	Meaning given in Appendix III of the Waste Framework Directive.
"hazardous waste"	Meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

Reference	Meaning
"Industrial Emissions Directive"	DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLAIMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.
"I-TEQ"	International toxic equivalency derived by applying international toxic equivalence factors, as defined in Annex VI, part 2 of Directive 2010/75/EU
"MCERTS"	The Environment Agency's Monitoring Certification Scheme.
"monthly average"	The average over a period of a calendar month of valid daily averages obtained by continuous measurements.
"the Regulator"	Cannock Chase Council.
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit.	Shall mean that the parameter shall not be less than that limit.
Any reference in this permit to concentration of substances in emissions into air.	Unless otherwise stated: • In relation to emissions from combustion processes and not subject and not subject to BAT-AELs for air emissions, the concentration in dry air at a temperature of 273.15K, at a pressure of 101.3kPa, and with an oxygen content of 3% dry for a liquid and gaseous fuels and 6% dry for solid fuels; and/or • In relation to emissions from non-combustion sources and not subject to BAT-AELs for air emissions, the concentration at a temperature of 273.15K and at a pressure of 101.3 kPa. With no correction for water vapour content; and/or. • In relation to emissions from non-combustion sources subject to BAT-AELs for air emissions, the concentration in dry air at temperature of 273.15 K and at a pressure of 101.3 kPa; and/or In relation to emissions from combustion processes subject to BAT-AELs for air emissions, the concentration in dry air at a temperature of 273.15K and at a pressure of 101.3 kPa, and with an oxygen content of 3% dry for liquid and gaseous fuels and 6% dry for solid fuels.
"year"	Calendar year ending 31st December.

SCHEDULE 2.7 – SITE PLAN

Figure 1: Site Plan

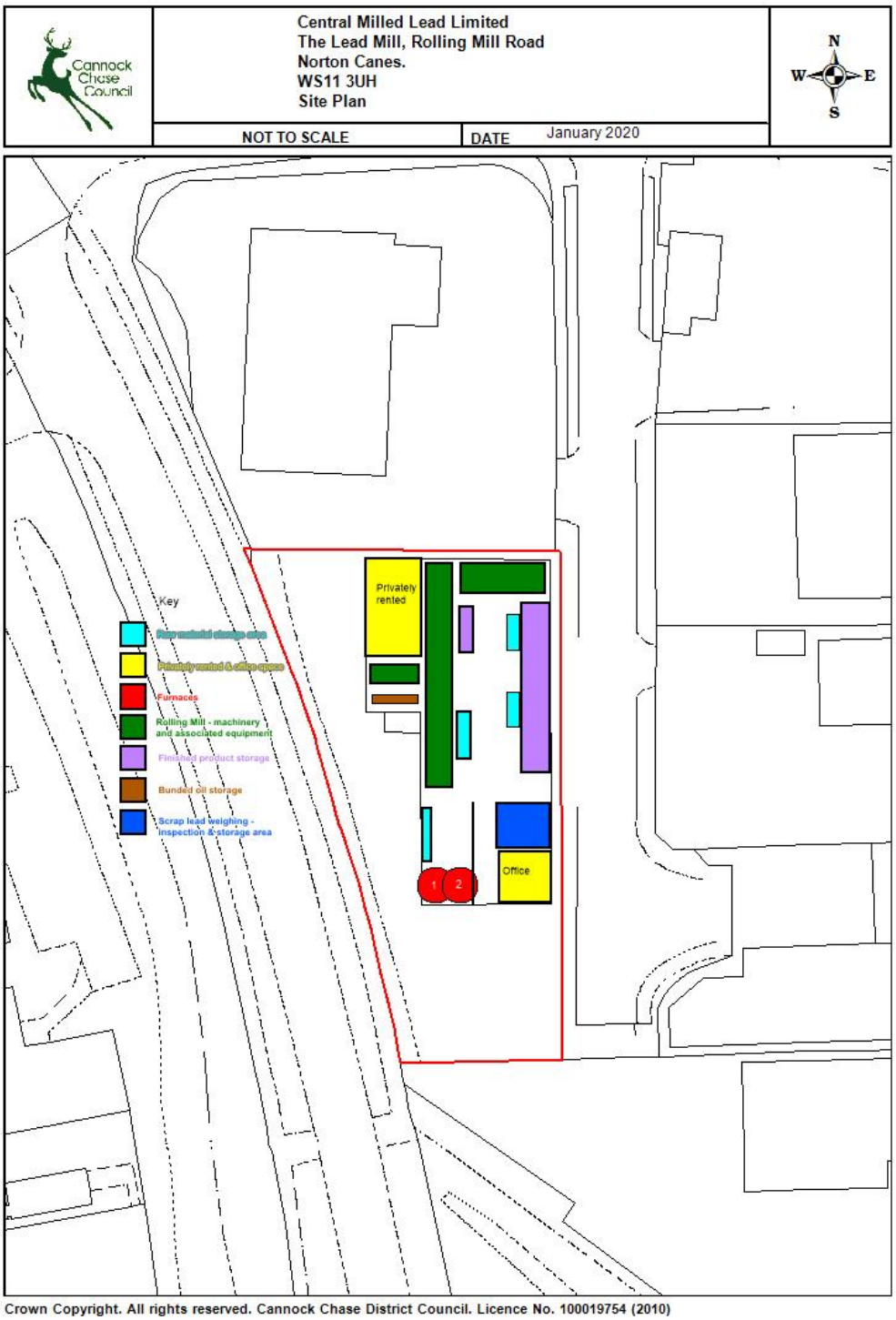
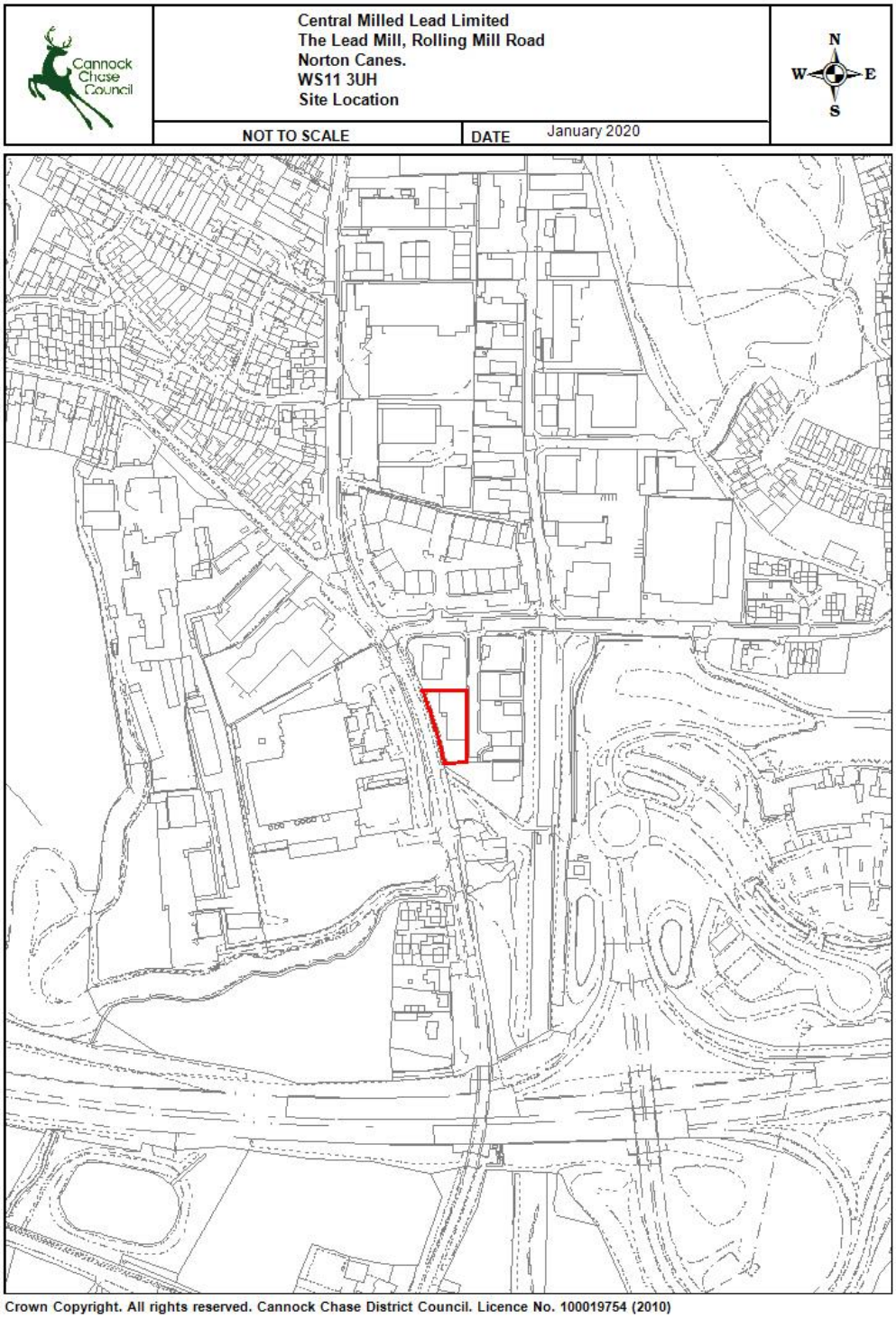


Figure 2: Site Plan



END OF PERMIT