creating a better place
for people and wildlife

Environment Agency

Richard BRIERLEY
Company secretary
richard.brierley@simsmm.co.uk

Date: 17 December 2021

Dear Mr Brierley

Request for Information: Metal Shredder Permit Review

Permit Number: **EPR/ ZP3691ET**
Operator: **Sims Group (UK) Ltd**
Facility/Location**: Rabone Lane, Smethwick**

We have recently reviewed and updated our technical guidance for Metal Shredders. The technical guidance Treating metal waste in shredders: appropriate measures for permitted facilities sets out the standards we expect operators to meet in order to comply with the requirements of their environmental permit.

We intend to review all Metal Shredder permits from 2021 and include conditions to implement the revised appropriate measures guidance. For the permit review process, we require you to provide information about:

- your activities on site
- your management system
- your waste pre-acceptance, acceptance and tracking appropriate measures
- your waste storage, segregation and handling appropriate measures
- your waste treatment appropriate measures
- your emissions control appropriate measures
- your emissions monitoring and limits appropriate measures
- your process efficiency measures
- hazardous substance release
- your site infrastructure plan
- storage capacity
- your shredder type, design, manufacturer and capacity
- types of waste accepted
- existing pre-operational and improvement conditions
- combustion plant or specified generators you use at your facility
- your climate change adaptation measures

Please find enclosed an information notice issued under Regulation 61(1) of the Environmental Permitting (England and Wales) Regulations 2016 that relates to the above permit. The notice specifies the information you need to provide and the date by which it must be submitted to the Environment Agency. We may take enforcement action against you if you fail to respond to this notice.

If you have any queries regarding this notice, please contact **Andy Bee** at wastetreatment@environment-agency.gov.uk or telephone +442030258620 in the first instance.

Yours faithfully

Tim Ross - Senior Permitting Officer
Environmental Permitting (England and Wales) Regulations 2016

Regulation 61(1)

NOTICE REQUIRING INFORMATION

To: **Sims Group (UK) Ltd**

Permit Reference: **EPR/ ZP3691ET**
Regulated Facility: **Rabone Lane, Smethwick**

The Environment Agency requires you to provide the information specified in Schedule 1 of this notice by **17 April 2022.**

1. The information must be sent by email to:

wastetreatment@environment-agency.gov.uk

Date: 17 December 2021 **Signed: Tim Ross**

Senior Permitting Officer

Please see over for notes.

Environmental Permitting (England and Wales) Regulations 2016
Regulation 61(1)

Notes:

1. For the purposes of discharging its functions under the Environmental Permitting (England and Wales) Regulations 2016, the Environment Agency may (by virtue of Regulation 61(1) of those Regulations), require any person to provide information.

2. Failure to comply with this notice without reasonable excuse is an offence under Regulation 38(4)(a) of the Environmental Permitting (England and Wales) Regulations 2016, and may lead to legal action being taken against you.

3. Making any statement in response to this notice that you know to be false or misleading in a material particular, or recklessly making any statement which is false or misleading in a material particular is an offence under Regulation 38(4)(b) of the Environmental Permitting (England and Wales) Regulations 2016, and may lead to legal action being taken against you.

4. There is no right to appeal against this notice.

5. You may wish to seek independent legal advice.

Environmental Permitting (England and Wales) Regulations 2016
Regulation 61(1)

SCHEDULE 1

Description of information required

The Environment Agency is required to undertake a periodic review of your permit. This review has been initiated as a result of us reviewing and publishing our guidance Treating metal waste in shredders: appropriate measures for Permitted facilities. This Notice sets out the information we require from you in order to be able to carry out a review of your permit. Subject to your response to this Notice we will vary your permit to ensure that it delivers compliance with the updated requirements.

If you no longer wish to operate, you must inform us of this within 3 months of the date of this notice, and confirm the date when you will cease operations.

Non-technical Summary: Please provide a brief non-technical description of your regulated facility

Please include the following information where appropriate :

- *The listed activities and waste operations at the site, and whether the permit is consolidated or if there is more than one permit for the site*

The site has installation activities and waste activities consolidated into one permit. These are listed below:

Section 5.4 A (1) b) (iv) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving the treatment in shredders of metal waste, including waste electrical and electronic equipment and end - of - life vehicles and their components.
The site has applied for a permit variation to add the following installation activities:
5.3 A(1) a) (ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving one or more of the following activities—
(ii) physico-chemical treatment;
Section 5.6 A (1) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section, except-
(i) temporary storage, pending collection, on the site where the waste is generated, or
(ii) activities falling within Section 5.2

The site also has Waste Operations – MRS, WEEE ATF.

- *A brief non-technical description of the facility, including the key stages in the "process" and the relevant disposal and recovery operations*

Metal shredding - Brief description 5.4 activity: Treatment consisting only of the shredding and granulation of waste containing ferrous and non-ferrous metals for recovery. Continuous treatment of non-hazardous wastes containing metal. Non-hazardous waste will be treated separately from hazardous waste (in batches). Metal shredder and downstream recovery plant. There is a pre-shredder.

The site is an Approved Authorised Treatment Facility (AATF) for treatment of WEEE. WEEE wastes will be managed in accordance with the WEEE Directive and relevant legislative requirements. LDA are treated in the metal shredder.

The site has applied for a permit variation to shred pre-treated SMW, this would be treated separately from non- hazardous feedstock . *Pre-treated WEEE shredding - Brief description 5.3 activity: Treatment consisting only of the shredding and granulation of waste containing ferrous and non-ferrous metals for recovery. Continuous treatment of hazardous wastes containing metal. Hazardous waste will be treated separately from non-hazardous waste (in batches)*

The site is permitted to but does not currently have a SMW pre-treatment line (manual removal of specified items) to pre-treat SMW prior to treatment in the shredder.

The site is a Metal Recycling site. Storage and treatment of ferrous and non-ferrous grades not associated with metal shredding.

- *An indication of the scale of the operation, for example treatment and storage capacity*

The shredder has treatment capacity of 220 tonnes per hr (5280 tonnes based on 24hr operation) capacity for treating non-hazardous (5.4 A (1) b) (iv)) and hazardous wastes for recovery (5.3 A (1) a) (ii)). Re non-hazardous waste for recovery typical capacity 2,640 tonnes, based on 12 hour operation.
Re Hazardous waste for recovery the actual daily treatment capacity for 5.3 A (1) a) (ii) is likely to be in region of approx. 200 tonnes based on current waste arising.

Additionally the site permit restricts annual throughput to 374,999 for installation activities and 74,999 for non installation waste activities.

- *A brief description of the principal releases to air, land and water including noise and odour, along with a description of any abatement techniques*

The site has two point source emissions to water (to sewer) two point source emissions to air (one not operational) as summarised below:

A2) Point source emission to Air from Air Cleaning System (See 'Fragmentiser Process Diagram'). Air from cleaning system of shredding of metal containing waste.

A1) Point source emission to Air located at large magnet room, is not operational.

S2) point source emission to water - to the foul sewer on Foundry Lane, which is collected and treated by Severn Trent Water Company. Rainfall dependant site run off potentially containing oil, metals, solids.

S1) discharge to foul sewer of sewage - domestic type discharge, shown on site plan and in permit for completeness.

- *A description of the site location and any key sensitive receptors*

The site has a frontage to Rabone Lane, the rear boundary of the site, as viewed from Rabone Lane, adjoins the former Soho Foundry, the right hand boundary of the site adjoins the canal. The surrounding area is predominantly of industrial use.
Key sensitive receptors are detailed in the Fire Prevention Plan.

- *Any specific significant legislation that applies and why, for example MCPD*

MCPD does not apply.

- *A description of any management systems, for example ISO 14001*

The site operates an internal Environment Management System that is certified to ISO14001. Please see EMS summary

1. Activities			
Activities	**Check box if the activity applies at your site**	**Waste Types**	**Provide a description of each installation activity and waste operation** *For storage activities, confirm the total quantity (tonnes) of waste that can be stored on site at any one time (including hazardous and non-hazardous wastes, and waste stored in buildings and external yard areas) and the details of any restrictions that apply to the storage of wastes (e.g. maximum storage times). Indicate whether each process is an installation activity or a waste operation.* *For treatment activities, include, where relevant, details of the number of treatment plant/lines, mode of operation (batch or continuous), maximum daily treatment capacity (tonnes per day), whether treating hazardous and/or non- hazardous waste, whether treating for recovery and/or disposal,including manufacturer/model where available. Indicate whether each process is an installation activity or a waste operation. Where heat and/or power is provided to the treatment process please explain how this is provided.*
Waste Process: Waste treatment processes pre metal shredding/fragmentising			
Pre-Shredding	☒	16 01 06 19 12 02	1 pre-shredder, 160kw, 1475 rpm electric operated, continuous operation, 25 tonnes per hr (600 tonnes per day based on 24 hr operation) capacity for treating non-hazardous waste in advance of (5.4 A (1) b) (iv)) installation activity. (typical capacity 300 tonnes per day based on 12 hr operation)
Manual dismantling (including sorting, separation, cutting and shearing)	☐		Note: No directly associated pre-metal shredding activities other than pre-shredder. See Waste Process: Standalone waste treatment processes not directly associated with metal shredding/fragmentising for details of SMW pre-treatment process that is permitted, but not currently undertaken.
Crushing & compaction	☐		
Other – please specify	☐		

<table>
<tr><th colspan="4">Waste Process: Treatment of metal waste in shredders</th></tr>
<tr>
<td>Shredding/fragmentising of metal wastes (including ferrous, non-ferrous and waste motor vehicles etc)</td>
<td>☒</td>
<td>Eg 16 01 06 - depolluted End of Life Vehicles

OT section 2.5
02 01 10
12 01 01
12 01 03
15 01 04
16 01 06
16 01 17
16 01 18
16 01 22
16 02 14
16 02 16
17 04 01
17 04 02
17 04 03
17 04 04
17 04 05
17 04 06
17 04 07
17 04 11
19 01 02
19 10 01
19 10 02
19 10 04
19 10 06
19 12 02
19 12 03
19 12 12
20 01 36
20 01 40</td>
<td>Eg, Line 1 damp process fragmentiser, Lynx 6000hp diesel/electric powered, continuous operation, 160t per/hour capacity treating haz and non-haz wastes for a mix of recovery and disposal. Line 2 – dry process fragmentiser, Hammermill 3000hp diesel – batch processing, 80t per hour capacity treating non-haz wastes for recovery only.

1 dry process (with water injection) hammer mill fragmentiser, LYNXS 6000HP electric operated, continuous operation, 220 tonnes per hr (5280 tonnes based on 24hr operation) capacity for treating non-hazardous (5.4 A (1) b) (iv)) and hazardous wastes for recovery (5.3 A (1) a) (ii)).
Re non-hazardous waste for recovery typical capacity 2,640 tonnes, based on 12 hour operation
Re Hazardous waste for recovery the actual daily treatment capacity for 5.3 A (1) a) (ii) is likely to be in region of approx. 200 tonnes based on current waste arising.

Additionally, the site permit restricts annual throughput to 374,999 for installation activities and 74,999 for non installation waste activities.</td>
</tr>
</table>

<table>
<tr>
<td>Batch shredding small mixed WEEE</td>
<td>☐</td>
<td>From OT section 2.5
<table>
<tr><td>EWC Code</td></tr>
<tr><td>19 10 03*</td></tr>
<tr><td>19 10 05*</td></tr>
<tr><td>19 12 11*</td></tr>
<tr><td>19 02 04*</td></tr>
<tr><td>16 02 15*</td></tr>
<tr><td>20 01 35*</td></tr>
</table>
</td>
<td>Note: The site has applied for a permit variation to shred pre-treated SMW batched separately from non- hazardous feedstock (The process itself is not batch fed, but continuous). The site will not batch shred Small Mixed WEEE (SMW) (only pre-treated SMW).

From OT section 2.10 Pre-treated SMW will be treated as discrete batches of material. The equipment used / process route will be the same as for other waste streams, so a continuous treatment process. After shredding, the metal will be recovered by magnets and remaining waste streams will be sent to Sims Long Marston for further treatment and refining.

<table>
<tr><td>Waste type</td><td>Max quantity on site</td><td>Max quantity in any one stockpile</td><td>Stockpile dimension/ conditions*</td><td>Duration</td></tr>
<tr><td>SMW/ SDA untreated storage prior to removal from site for treatment at Nottingham</td><td>50 tonnes</td><td>25t stockpiles circa 100m^3</td><td>In bays 12m*10m* 3m</td><td>Typically daily movements will not exceed 1 week</td></tr>
<tr><td>Pre-treated SMW (not currently undertaken)</td><td>200 tonnes</td><td>110 tonnes circa 450m3</td><td>15m*15m* 4m</td><td>Treated daily</td></tr>
<tr><td>Components removed from SMW (not currently pre-treating SMW)</td><td>50 tonnes</td><td>Stored in separate containers 10 tonnes in any one</td><td></td><td>Will not exceed 6 months</td></tr>
</table>
</td>
</tr>
<tr>
<td>Cable shredding and/or granulation</td>
<td>☐</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead Acid Battery shredding</td>
<td>☐</td>
<td></td>
<td></td>
</tr>
</table>

<table>
<tr><td>Shredding other battery types</td><td>☐</td><td></td><td></td></tr>
<tr><td>Batch shredding/fragmentising of aerosols and cylinders</td><td>☐</td><td></td><td></td></tr>
<tr><td>Batch Shredding LDA</td><td>☐</td><td>20 01 36</td><td>Note: LDA are treated along with other shredder infeed such as Light Iron and depolluted ELV.</td></tr>
<tr><td>Other shredding/fragmentising – please specify</td><td>☐</td><td></td><td></td></tr>
<tr><td colspan="4">Waste Process: Waste storage prior to pre-shredding and shredding/fragmentising</td></tr>
<tr><td>Storage of ferrous and non ferrous metals only (no treatment other than sorting)</td><td>☒</td><td>OT section 2.5
02 01 10
12 01 01
12 01 03
15 01 04
16 01 06
16 01 17
16 01 18
16 01 22
16 02 14
16 02 16
17 04 01
17 04 02
17 04 03
17 04 04
17 04 05
17 04 06
17 04 07
17 04 11
19 01 02
19 10 01
19 10 02</td><td>Waste storage prior to shredding is on concrete. Shredder infeed consisting of Light Iron, depolluted ELV, LDA etc. Total quantity stored on site at any one time and restrictions that apply to the storage of wastes (e.g. maximum storage times) from FPP section 9.2 extract below
<table>
<tr><th>Waste type</th><th>Max quantity on site</th><th>Max quantity in any one stockpile</th><th>Stockpile dimension/ conditions*</th><th>Duration</th></tr>
<tr><td>LI will contain a proportion of wastes considered combustible e.g. depolluted / baled ELV</td><td>1000 tonnes</td><td>500t circa 1000m^3</td><td>30m*30m *6m</td><td>Typically weekly, no greater than 3 months</td></tr>
<tr><td>Other ferrous</td><td>2600t other ferrous</td><td>500t circa 750m^3</td><td>20m*20m *4m</td><td>Typically weekly, no greater than 3 months</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>19 10 04
19 10 06
19 12 02
19 12 03

19 12 12
20 01 36
20 01 40</td><td>Non-ferrous – clean and uncontaminated NF not considered combustible for purposes of this plan considered combustible for purposes of this plan</td><td>1500 tonnes</td><td>100 tonnes</td><td>N/A</td><td>Typically 1 month will not exceed 6 months</td><td></td></tr>
<tr><td>Storage of Hazardous waste (pre)</td><td>☒</td><td>From OT section 2.5
EWC Code
19 10 03*
19 10 05*
19 12 11*
19 02 04*
16 02 15*
20 01 35*</td><td colspan="5">Eg Storage of Lead Acid Batteries on impermeable pavement in sealed weatherproof containers – max 10 tonnes at any one time

Storage of Hazardous WEEE in secure containers on impermeable pavement – maximum 100 tonnes at any one time</td></tr>
<tr><td>Storage of other non-hazardous wastes</td><td>☐</td><td></td><td colspan="5">Eg – Storage of construction and demolition wastes (add in location)</td></tr>
<tr><td colspan="8">Waste Process: Waste storage - post shredding/fragmentising</td></tr>
<tr><td>Storage of Hazardous waste post shredding</td><td>☒</td><td>19 02 04*</td><td colspan="5">Permit variation has been applied for and the site will store SMW Residues from shredding of Pre-treated SMW on concrete.

The total quantity of hazardous post shredding residues stored on site at any one time is 200 tonnes. The storage of hazardous post shredding residues is not specified in the FPP as the hazardous residues have similar combustion risk as non-hazardous residues and are therefore not differentiated.</td></tr>
</table>

<table>
<tr>
<td>Storage of separated fractions post shredding</td>
<td>☒</td>
<td>From OT section 2.5
<table>
<tr><th>EWC Code</th></tr>
<tr><td>19 10 01
19 10 02</td></tr>
<tr><td>19 10 04
19 10 06</td></tr>
<tr><td>19 12 12</td></tr>
</table>
</td>
<td>Storage of ferrous (3b Frag), non-ferrous residues, automotive shredder residues on concrete post shredding. Total quantity stored on site at any one time and restrictions that apply to the storage of wastes (e.g. maximum storage times) from FPP section 9.2 extract below
<table>
<tr><th>Waste type</th><th>Max quantity on site</th><th>Max quantity in any one stockpile</th><th>Stockpile dimension/ conditions*</th><th>Duration</th></tr>
<tr><td>Non Ferrous Residues</td><td>700 tonnes</td><td>350 t circa 750m^3</td><td>In bays</td><td>Weekly - 4 weeks</td></tr>
<tr><td>Fragmentiser Waste
ASR residue LM temp</td><td>800 tonnes
1000t</td><td>400t circa 750m^3
500t circa 750m^3</td><td>In bays</td><td></td></tr>
<tr><td>Processed Fragmentised ferrous clean and uncontaminated/ furnace ready and not considered combustible for purposes of this plan</td><td>1500</td><td>1500</td><td>N/A</td><td>Typically 1 month
will not exceed 6 months</td></tr>
</table>
</td>
</tr>
<tr>
<td>Storage of other non-hazardous wastes</td>
<td>☐</td>
<td></td>
<td>Eg – Storage of construction and demolition wastes</td>
</tr>
<tr>
<td colspan="4">Waste Process: Waste treatment processes post metal shredding/fragmentising</td>
</tr>
<tr>
<td>Dense media separation</td>
<td>☐</td>
<td></td>
<td>Eg - Separation of metals in Automotive Shredder Residue</td>
</tr>
</table>

Granulation	☐		*Eg – Granulation of WEEE derived plastics*
X ray separation	☐		
IR separation	☐		
Optical separation	☐		
Magnetic separation	☒	19 10 01	There is magnetic separation post shredding using rotary over conveyor magnets and magnetic separation drum magnet to separate magnetic fraction.
Eddy current separation	☒	19 10 02 19 10 06	There is eddy current separation post shredding to separate non-ferrous fraction.
Manual sorting/picking	☒	19 10 02 19 12 03	There is manual sorting / picking post shredding on the ferrous (for manual removal of copper / armatures.
Other (please specify)	☐		

Waste Process: Standalone waste treatment processes not directly associated with metal shredding/fragmentising

Manual dismantling (including sorting, separation, cutting and shearing)

☒

From OT section 2.5

EWC code
02 01 10
12 01 01 12 01 03
15 01 04
16 01 04* 16 01 06 16 01 17 16 01 18 16 01 22
16 02 14 16 02 16
16 06 01* 16 06 04 16 06 05
17 04 01 17 04 02 17 04 03 17 04 04 17 04 05 17 04 06 17 04 07 17 04 11
19 01 02 19 10 01 19 10 02 19 10 04 19 10 06 19 12 02 19 12 03 19 12 12
20 01 33* 20 01 35* 20 01 36 20 01 40

The site is a metal recycling site waste activity that is standalone/ not directly associated with metal shredding / fragmentising.
Manual dismantling, sorting, separation, cutting of ferrous and non-ferrous scrap metal

Total quantity stored on site at any one time and restrictions that apply to the storage of wastes (e.g. maximum storage times) from FPP section 9.2 extract below

Waste type	Max quantity on site	Max quantity in any one stockpile	Stockpile dimension/ conditions*	Duration
Non-ferrous – clean and uncontaminated NF not considered combustible for purposes of this plan	1500 tonnes	100 tonnes	N/A	Typically 1 month will not exceed 6 months
Other ferrous	2600t other ferrous	500t circa 750m^3	20m*20m*4m	Typically weekly, no greater than 3 months

Mechanical dismantling and separation (including shearing)	☐		
Crushing for volume reduction only (no separation)	☐		
WEEE treatment	☒		*If you tick this,you will only need to provide a brief description of the activity. We will ask for more detailed information in a separate Regulation 61 notice once the WEEE treatment appropriate measures guidance is published* LDA 200136 treated along with light Iron in shredder infeed and is therefore not standalone and is covered in other section. Site is permitted to, but does not currently undertake SMW 30 01 35* treatment. In addition, site has applied for permit variation to process pre-treated SMW via shredder a 5.3 A (1) a) (ii) activity
Cable shredding/granulation	☐		
ELV depollution	☐		
Battery Treatment	☐		
Other treatment of metals or metal derived materials (please specify)	☐		

Any other waste operations or processes carried out at your facility that are not covered by the sections above (specify)	☐		

2. General management appropriate measures	Answer Yes/No/NA	Date compliance expected / Response / Reference to attached document

Do you currently comply with all the general management appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities guidance? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "2.2 Staff competence: point 3") and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which ones they are including heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification for the alternative measures here (or in a separate document). Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance.	No	We are not currently in compliance with appropriate measures subsection 2.1.1 "You consider the risks a changing climate poses to your operations. You have appropriate plans in place to assess and manage future risks." Sims has started the process of considering the risks a changing climate poses to our operations and in future will have appropriate plans in place to assess and manage future risks. In 2021, as a business, Sims progressed our approach to assessing climate risks and opportunities by performing climate scenario analysis to assess potential financial-related impacts of key risks and opportunities. Climate risk is managed through our Enterprise Risk Management (ERM) framework, which is designed to support each business unit in the effective management of risk. It enables a consistent approach to risk identification, management and monitoring through the use of a global risk taxonomy. The work conducted at group level will inform the UK plans. Recently the EA brought to the attention of industry via FAQ's on 01.04.22 that "It is anticipated that all waste permits will have EMS to ensure that sites have adequate climate change adaptation plans. We are currently producing new guidance on Climate Change. Where a plan is required but not yet in place we would include an improvement condition to address this." This new guidance will be considered when issued. We are not currently compliant with appropriate measures subsection 2.1.1 "You have and maintain the following documentation: inventory of emissions to air and water Site does have an Inventory of emissions to air and water, but inventory does not cover all the detail in section 6.1, 6.4, 7.1-7.3 - see those sections for more detail. …… We are not currently compliant with appropriate measures subsection 2.1.1 site condition report"

		Site does not have an IED baseline site condition report as this was not required when sites transitioned to IED. Site condition report will be generated and provided to EA by 31.12.2022 We are not currently compliant with appropriate measures subsection 2.4.5 You must be able to contain surges and storm water flows. You must provide enough buffer storage capacity to make sure you can achieve this. The site has buffer storage capacity to contain water generated during 'other than normal' operating conditions such as in event of fire. This is detailed in Fire prevention plan. BAT requires appropriate buffer storage capacity is provided for waste water generated during other than normal operating conditions using a risk-based approach and BAT also states for applicability that "For existing plants, applicability may be limited by space availability and by the layout of the water collection system. Recently EA FAQ issued 01.04.22 stated the following: **6. Section 2.4 of the appropriate measures guidance requires operators to provide enough buffer storage capacity to contain surges and storm water flows, but how much is enough?** **EA Response:** It's not possible to give an exact figure and this will need to be assessed on an individual site basis which will depend on location and meteorological data on local storm events. The capacity required can be risk-based taking into account the nature of the pollutants, effects of downstream wate water treatment and the sensitivity of the receiving environment. It is also important to take climate change mitigation and adaptation measures into consideration. For example, we expect annual winter rainfall to rise by 40% and rainfall intensity to increase by 20% on present levels. More information can be found here: Metals recycling: examples for your adapting to climate change risk assessment - GOV.UK (www.gov.uk) Time will be needed to take this new information into consideration. Sims EMS documents reference compliance with General Management Appropriate measures include: EMS Summary, EHS Policy, Operating techniques incl. all app and process flows written descriptions of processes. Waste Acceptance Procedure / bale inspection procedure, ECP, FPP, Site Plan, Point source emissions management plans i.e. point source to air, water and ambient emissions plans.
Does your management system include:	**Answer Yes/No/NA**	**Please provide a plan reference and indicate whether it has been submitted and/or agreed with the EA ?**

• a deflagration management plan?	Yes	Included in Operating techniques
• an odour management plan?	N/A	N/A odour management covered in OT section 3.2
• a noise and vibration management plan?		This is covered in Operating techniques section 3.3
• a dust management plan?		This is covered in Operating techniques section 3.4
• a pest management plan?	N/A	N/A pest management covered in OT section 3.6
• a fire prevention plan?	Yes	Yes ref Apr 22 submitted, previous version approved
3. Waste pre-acceptance, acceptance and waste tracking appropriate measures	**Answer** Yes/No/NA	**Date compliance expected / Response / Reference to attached document**
Do you currently comply with all the waste pre-acceptance, acceptance and tracking appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "3.2 Waste acceptance and tracking appropriate measures point 3") and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which ones they are including heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance.	No	We are not currently in compliance with appropriate measures subsection 3.3.3. You must create records and update them to show deliveries, on-site treatment and despatches. Your tracking system will also operate as a waste inventory and stock control system. It must include this information as a minimum: …. where the waste is physically located on site However, we do not consider it is necessary to have this information in the waste tracking system and consider it is adequately managed via other means. Where the waste is physically located on site is not detailed in the computerised waste tracking systems, but is available via other means such as locations shown on site layout plans, fire prevention plans, mud maps etc. Sims EMS documents reference compliance with Waste pre-acceptance, acceptance and waste tracking appropriate measures include: Operating techniques, Waste Acceptance Procedure, Baled waste procedure, Fire Prevention Plans.

4. Waste storage, segregation and handling appropriate measures	Answer Yes/No/NA	Date compliance expected / Response / Reference to attached document
Do you currently comply with all the waste storage segregation and handling appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities guidance? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "4.4 Battery storage points 2 and 6") and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which ones they are including heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance.	No	We are not currently in compliance with appropriate measures subsection 4.1.3. You must store shredder non-metallic fractions under cover. Shredder non-metallic fractions are not currently all in covered bays. BAT did not specifically require this. We can put an improvement programme into place, it will take time to comply. We will work towards covering all bays with a proposed timescale for completion 30.06.23. We are not currently in compliance with appropriate measures subsection 4.2.3. You must not accumulate waste. You must treat wastes, or remove them from the site, as soon as possible. Generally all wastes must be removed within a maximum of 6 months of receipt. If you have a shorter time period as a permit condition, you must comply with that condition for that waste. We believe this section should not be generally applicable as accumulation of waste is sometimes necessary at scrap metal sites and as long as the risks are controlled, the duration should not be restricted as detailed in AM guidance. Scrap metal is a waste. It may be necessary from time to time to accumulate processed scrap metal on site for durations longer than that specified in AM guidance, due to market conditions for example. The permit currently allows storage of wastes for up to 3 years prior to recovery. Combustible wastes will be stored for timescales as specified in FPP. There is no increased risk from storing processed scrap for durations longer than 6 months. BAT does not specify 6 month maximum storage duration. We therefore request a derogation versus this appropriate measure Sims EMS documents reference compliance with Waste storage, segregation and handling appropriate measures Operating techniques Fire Prevention Plan

5. Waste treatment appropriate measures	Answer Yes/No/NA	Date compliance expected / Response / Reference to attached document
If you carry out waste treatment activities do you currently comply with all the waste treatment appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities guidance? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "5.1 General Waste Treatment points 4,6 and 7) and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which they are including subsection heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance.	No	We are not currently in compliance with appropriate measures subsection 5.2.3. You must process shredder non-metallic fractions under cover. BAT did not specify this. However, we will put an improvement programme into place to achieve this and it will take time to comply. We will work towards covering all non-metallic fraction processes. Projected timescales for completion 30.06.23. Please note that not all post shredder plant will be under cover, the shredder itself will not be undercover and just fractions that are predominantly non-metallic and have potential for emissions will be covered. We are not currently in compliance with appropriate measures subsection 5.5.1 You must minimise the release of diffuse emissions to air from activities which may create them, for example shredding or granulating. You must do this by: * carrying out the activity using enclosed equipment or in a closed building * maintaining the enclosed equipment or building under an appropriate pressure …. We consider this guidance goes above and beyond BAT requirements and that these measures are not practicable for metal shredders to achieve. BAT 14 states 'this includes techniques such as:….' Appropriate Measures guidance doesn't give examples, it says 'must'. Also note BAT has an applicability section, which Appropriate Measures Guidance does not consider. In particular, in respect of " You must do this by: * carrying out the activity using enclosed equipment or in a closed building" Not all shredding activity is carried out using enclosed equipment or in a closed building. The metal shredder is not currently enclosed.

		There are other abatement techniques to minimise emissions such as water injection to the mill, cyclones and the risk of emissions to air from the shredder given these other abatement techniques, does not justify the cost of fully enclosing. Infeed conveyors will not be enclosed due to safety, needing to be able to see the material and also because they are not a significant source of emissions. Emissions will be controlled via methods specified in Dust Management plans such as using abatement technologies e.g. cyclones, conveyors which transport lighter fractions are covered, drop heights minimised where practicable, fitted with curtains / chutes etc. misting or damping systems, enclosures, netting, housekeeping etc. As a result, we are also not in compliance with "You must do this by:* maintaining the enclosed equipment or building under an appropriate pressure" This is not relevant as enclosed equipment such as conveyors are not fully enclosed and so cannot be kept under an appropriate pressure. This is not necessary to minimise emissions of dust from metal shredding. This can be done by other methods as previously detailed. We therefore request a derogation versus the above appropriate measures on grounds will be adequately managed by other controls.

6. Emissions control appropriate measures	Answer Yes/No/NA	Date compliance expected / Response / Reference to attached document
Do you currently comply with all the emissions control appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities guidance? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "Emissions of noise and vibration point 5") and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which they are including subsection heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance	No	We are not currently in compliance with appropriate measures subsection 6.1.1 "You must contain the waste treatment plant (including shredders) to make sure you collect, extract and direct all process emissions to an appropriate abatement system for treatment before release." As previously detailed versus section 5, we do not consider it operationally practicable nor necessary to 'contain' waste treatment plant in order to minimise emissions. The abatement systems on metal shredders e.g. cyclones collect the emissions and the water injection into the mill, in combination with other controls such as covering of conveyors where appropriate, controls the potential for emissions. This meets BAT, which requires techniques such as: collecting and directing the emissions to an appropriate abatement system (see Section 6.1) via an air extraction system and/or air suction systems close to the emission sources. See further notes below re 6.2 11 regarding containing / fully enclosing treatment plant. We are not currently in full compliance with appropriate measures subsection 6.1.2. "You must identify the main chemical constituents of the site's point source emissions as part of the site's inventory of emissions to air. You must include the speciation of volatile organic compounds (VOCs) if you have identified them in the emissions inventory and it is practicable to do so." BAT does not require speciation of VOC's. However, total VOC will be tested 6 monthly as per requirements of AM Guidance. Note: AM requires testing for other parameters such as BFR's etc. This work is in the process of being commissioned and will be completed by 31.10.22. The results will be reviewed an inventory updated by 31.12.22. Regarding section 6.2.6. "Where necessary, to prevent fugitive emissions to air from storing and handling odorous or dusty wastes, you should use a combination of the following measures (7 to 13)." This indicates as per BAT that we should consider the measures and use a combination of them as appropriate. This we have done. However,

		subsequent use of the word '<u>must</u>' in the techniques we should be considering removes the flexibility to consider appropriate techniques and introduces a specific requirement. We therefore note that we will not be compliant with points 11 and 12 as detailed below: "6.2 11 You must fully enclose and contain pre- and post-treatment shredder plant to prevent emissions." It is not reasonably practicable to fully enclose and contain pre- and post treatment shredder plant. Nor is this necessary to prevent emissions. Emissions can be prevented or where not practicable minimsied using one of combination of techniques specified in BAT. Examples: The **pre-shredder** will not be fully enclosed. Pre-shredders are low energy, not a significant source of emissions, they can be fitted with misting systems where required and mobile dust suppression can also be used. Pre-shredders are large items of plant due to process and volume of waste treated. They are top fed by MSH and this would give rise to requirement for a significant sized building to give height / footprint, should they have to be enclosed. The MSH would have to operate in this building to load pre-shredder so would need to be large enough/ well illuminated etc. Safety concern and cost outweighs environment risk. BAT acknowledges this via applicability re the use of buildings may be restricted by safety considerations / volume of the waste, Fire risk. **Infeed conveyor** - weight / size of scrap at infeed stage is low risk of emissions, conveyor uncovered for safety reasons, to be visible for inspections / prevent blockages, has side protection to prevent windblown debris. **Shredder itself** - The abatement systems on metal shredders e.g. cyclones collect the emissions and the water injection into the mill, in combination with other controls such as covering of conveyors where appropriate, controls the potential for emissions. This meets BAT. A planning application has been made to enclose the shredder in acoustic enclosure, this will assist to minimise fugitive emissions, but will not fully enclose as per requirements detailed in Appropriate Measures. **Downstream metallic fractions -** low risk of emissions, other measures such as minimise drop heights are in use.

		We therefore request a derogation versus having to fully enclose and contain pre- and post-treatment shredder plant to prevent emissions Regarding "6.2 12\. You must design and operate the shredder plant using appropriate process interlocks. The plant should not operate unless it is enclosed and contained, for example, only working when the loading door on the hopper is closed or sealed." Linked to the above. The systems are not fully enclosed systems. The plant does not require interlocks if system is not enclosed. Note the plant has interlocks to prevent access from a safety perspective. BAT does not reference interlocks. We are not currently in full compliance with appropriate measures subsection 6.4.1. "You must identify the main chemical constituents of the site's point source emissions to water and sewer as part of the site's inventory of emissions." The site has been monitoring for many years versus protocols agreed with the EA. However, appropriate measures require monitoring for As & TOC which are not currently monitored. Data gathering is in progress and weather dependant, dataset will be available by 31.10.22 to inform update of emissions inventory by 31.12.22

7. Emissions monitoring and limits appropriate measures	**Answer Yes/No/NA**	**Date compliance expected / Response / Reference to attached document**
Do you currently comply with all the emissions monitoring and limits appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities guidance? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "Emissions to air point 2") and tell us when you will be in full compliance.		We are not currently in full compliance with appropriate measures subsection 7.1.1 Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to air, such as the: • average values and variability of flow and temperature • average concentration and load values of relevant substances and their variability • flammability, lower and higher explosive limits and reactivity

If you believe some appropriate measures in this section are not applicable, please explain which ones they are including heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance		• presence of other substances that may affect the waste gas treatment system or plant safety – for example, oxygen, nitrogen, water vapour, dust We are in the process of reviewing with stack emissions monitoring engineers, the requirements for the above information and will update emissions inventory accordingly if appropriate, by 31.12.22
Point source emissions to air		
Does your facility have point source emissions to air? If yes, provide details (for example, source of emission, location of emission point, nature and composition of emission).	Yes	Yes Point source emission to Air from Air Cleaning System (See 'Fragmentiser Process Diagram') A2 Air from cleaning system of shredding of metal containing waste containing particulates (TSP) Point source emission to Air is not currently operational, there is no flow. This is located at the large magnet room, over the 1st and 2nd drum magnet (See 'Fragmentiser Process Diagram) A1
Are any of your point source emissions to air abated in accordance with emissions control appropriate measures ? If you answer Yes, confirm which emission points are abated, what forms of abatement are provided (for example ,cyclone, bag filters,HEPA filters, and scrubbers), what plant or process (eg, pre-shredder,main shredder mill chamber/downstream of mill chamber, downstream separation process, enclosed conveyors etc), and what pollutant(s) it abates.	Yes	Yes point source emissions point A2 air cleaning system is abated by cyclone system downstream of Mill chamber on transfer conveyor on shredder. Abates particulates / dust emissions to air The fragmentiser shredding box itself incorporates a water injection system on the mill, which has a variable flow that is adjusted depending on the environmental conditions at the time. Abates particulates / dust emissions to air.

		Post cyclone system, a wet scrubber system dampens dust particulates to further abate emissions.
Are there any emissions levels associated with BAT (BAT AELs) that apply to point source emissions to air from the treatment processes you undertake at your regulated facility, as listed in Appropriate Measures section 7.2? If yes, confirm the BAT AELs that are relevant to the point source emissions to air from your regulated facility. If there are BAT AELs listed in section 7.2 for the waste treatment processes undertaken at your regulated facility but you believe they are not relevant you must provide evidence to justify this (for example, demonstrate that the substance in question is not in the emissions inventory of your regulated facility through your waste pre-acceptance and acceptance procedures and monitoring data).	Yes	Yes Dust 6 monthly. The plant has "other abatement techniques" Emission limit of 10 mg/m3
Does your treatment process meet the relevant associated emission levels given in section 7.2 for point source emissions to air? If you answer No, confirm which emission levels and by when you will meet the requirements. By August 2022, unless we approve a derogation, existing installations must comply with relevant BAT associated emission levels (AELs).	No/ Yes	Dust - Emission limit of 10 mg/m3 Recent results have been non-compliant, but significant repairs to the system have been made and further repairs are in progress to ensure results will be compliant going forward.
Will you monitor your point source emissions to air for all relevant parameters and substances in accordance with the monitoring requirements? If there are monitoring requirements listed for the waste treatment processes undertaken at your regulated facility but you believe they are not relevant or the monitoring frequency should be reduced, you must provide evidence to justify this (for example, demonstrating that the substance in question is not in the emissions inventory of your regulated facility (for example through your waste pre-acceptance and acceptance procedures and monitoring data)).	Yes	
Point source emissions to water		

Does your regulated facility have any point source emissions to water (surface water, sewer or groundwater)? If yes, provide details (for example, source of emission, location of emission point, nature and composition of emission).. If you discharge to surface water, confirm whether the discharge is authorised by your environmental permit or by an alternative permission. If the emission is to sewer provide a copy of the discharge consent..	Yes	S2) to the foul sewer on Foundry Lane, which is collected and treated by Severn Trent Water Company. Rainfall dependant site run off potentially containing oil, metals, solids. Authorised by TEC - attached. S1) discharge to foul sewer of sewage - domestic type discharge, shown on site plan and in permit for completeness.
Is there any storage or treatment (abatement) of water or effluent on site (see Appropriate measures section 6.4 for relevant abatement techniques)? If you answer Yes, confirm what forms of treatment are provided (for example neutralisation, flocculation, settlement), what plant or process it serves and what pollutant(s) it treats and where the effluent goes.	Yes	Oil water separator (interceptors) on discharges to S2. Separate out oil from water and settlement of solids. Discharge from S2 to sewer Severn Trent Water
Are there any emissions levels associated with BAT (BAT AELs) that apply to point source emissions to water from the treatment processes you undertake at your regulated facility (as listed in Appropriate Measures section 7.3)? If yes, confirm the BAT AELs that are relevant to the point source emissions to water your regulated facility. If there are BAT AELs listed in section 7.3 for the waste treatment processes undertaken at your regulated facility but you believe they are not relevant, you must provide evidence to justify this (for example, demonstrating that the substance in question is not in the emissions inventory of your regulated facility (for example through your waste pre-acceptance and acceptance procedures and monitoring data) or that the downstream waste water treatment plant abates (treats) the pollutants concerned and does not lead to a higher level of pollution in the environment).	Yes	**Relevant BAT AELs are as follows:** Hydrocarbon Oil Index (HOI) 10mg/l whether direct or indirect (to water body or to sewer) TOC 60mg/l COD 80 mg/l Total suspended solids (TSS) 60 mg/l cadmium (Cd) – emission limit 0.05 mg/l chromium (Cr) – emission limit 0.15 mg/l copper (Cu) – emission limit 0.5 mg/l nickel (Ni) – emission limit 0.5 mg/l lead (Pb) – emission limit 0.3 mg/l zinc (Zn) – emission limit 2 mg/l If in emissions inventory: arsenic (As) – emission limit 0.05 mg/l mercury (Hg) – emission limit is 5 ug/l

Does your treatment process meet the relevant associated emission levels (as listed in Appropriate Measures section 7.3)? for point source emissions to water? If you answer No, confirm which emission levels and by when you will meet them. By August 2022, unless we approve a derogation, existing installations must comply with relevant BAT associated emission levels (AELs).	Not known	The site discharges are to sewer, we request a derogation on basis that the EA verbally agreed during previous discussions regarding BAT / BREF with industry and the BMRA that for discharges to sewer the point of assessment would be post WWTW. The water discharged to sewer is treated at WWTW prior to discharge to the environment. There is a charge associated with discharges to sewer, so to have to pay a WWTW to treat water after we have incurred additional costs to treat to standard that could be discharged to surface water is unjustified and has no environment benefit. EA have since confirmed via FAQ's on 01.04.22 that BAT AEL's will be applied at point the effluent leaves site, even if discharge to sewer. From FAQ 01.04.22 **8. We have a trade effluent consent for discharge of wastewater from our installation to sewer for treatment at Waste Water Treatment Works. Can the EA explain how and where BAT AELs will be applied?** **EA Response:** We are required to set emission limit values (ELVs) that ensure compliance with the BAT-AELs. This is mandated by Article 15(3) of the Industrial Emissions Directive (2010/75/EU) and is retained EU law. We must also ensure permits include all measures necessary to comply with Article 11 i.e. that all appropriate preventive measures are taken against pollution; the best available techniques are applied; and no significant pollution is caused. A permit must also contain ELVs for pollutants 'which are likely to be emitted from the installation concerned in significant quantities, having regard to their nature and their potential to transfer pollution from one medium to another' (Article 14(1)(a)). This covers both direct and indirect discharges. For indirect discharges to water (ie. to sewer) it is not acceptable to transfer pollutants from one medium to another e.g., from wastewater to soil via the sludge, instead of using on-site treatment to destroy or transform the pollutants. BAT conclusions are the reference for setting the permit conditions (Article 14(3)) and where BAT conclusions do not address all environmental effects we must consult and then set permit conditions based on BAT (Article 15(6)). ELVs for polluting substances shall apply at the point where emissions leave the installation, disregarding dilution prior to that point. For indirect releases into water, the effect of a water treatment plant may be taken into account when determining the ELVs of the installation concerned, provided that an equivalent level of protection of the environment as a whole is guaranteed and provided this does not lead to higher levels of pollution in the environment. This is not reasonable. The Trade Effluent Consent includes most parameters listed in BAT AEL's, with the exception of HOI, TOC, As and Hg and the site is typically compliant with TEC limits.

		We request EA reconsider applying BAT AEL's at point of discharge from site and apply post WWTW. If BAT AEL's are applied at site, a derogation in terms of timescales will be required please to meet BAT AEL's given the moved goalposts for discharges to sewer. Proposed timescale 30.06.23
Will you monitor your point source emissions to water for all relevant parameters and substances in accordance with the monitoring requirements of the Appropriate Measures Guidance? If there are monitoring requirements listed for the waste treatment processes undertaken at your regulated facility but you believe they do not apply or the monitoring frequency should be reduced, you must provide evidence to justify this (for example, demonstrating that the substance in question is not in the emissions inventory of your regulated facility (for example through your waste pre-acceptance and acceptance procedures and monitoring data) or that the downstream waste water treatment plant abates (treats) the pollutants concerned and does not lead to a higher level of pollution in the environment).	Yes	Please note that UK laboratories do not offer tests for HOI to EN ISO-9377-2. This has been discussed with Laboratories and also with EA previously and it is accepted that EPH is an equivalent test. Note: the discharge from site is rainfall dependant run off and it is therefore not relevant or appropriate to monitor temperature or flow.
Other monitoring, emissions inventory and H1 assessment		
Do you currently monitor for substances or parameters that are not BAT-related in your regulated facility's point source emissions to air or water? If you answer Yes, please detail the parameters or pollutants monitored and the monitoring methods and frequencies used. Confirm that you will comply with the monitoring requirements of the BAT conclusions for relevant substances.	Yes	pH, Ammoniacal Nitrogen, Fe, Al, NVM, P, Sn, Sb Currently quarterly, will monitor monthly going forward so in line with other parameters being monitored under BAT AEL's. Test methods UKAS / ISO17025 accredited.
Do you have an up-to-date emissions inventory for the point source emissions to air and water of your regulated facility?	No	The emissions inventory doesn't contain all the relevant information specified in appropriate measures. We are currently in the process of reviewing the emissions inventory and will be able to provide updated inventories following gathering of data projected date for updating emissions inventories 31.12.22.

Do you have an up-to-date H1 environmental risk assessment for the point source emissions to air and water of your regulated facility?	Yes	Note appropriate measures requires additional monitoring e.g. TVOC to air etc. As, TOC to water, hence will need to review H1 after data gathering exercise. We will review H1 following data gathering exercise and review of emissions inventory. Projected date for completion of H1 31.01.23.

8. Process efficiency appropriate measures	Answer Yes/No/NA	Date compliance expected / Response / Reference to attached document
Do you currently comply with all the process efficiency appropriate measures given in the Treating metal waste in shredders: appropriate measures for Permitted facilities? If you answer No, confirm which appropriate measures you are not in compliance with including subsection heading and numbered points (for example, "Energy efficiency, points 3 and 7" and tell us when you will be in full compliance. If you believe some appropriate measures in this section are not applicable, please explain which ones they are including heading and numbered points and why you consider they do not apply. If you are proposing alternative measures to those in the guidance, please indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and your justification. Note: If you are proposing alternative measures, you must explain how they provide an equivalent level of environmental protection to the measures given in the guidance.		We are not currently in full compliance with appropriate measures subsection 8.1 1 to 8.1.4 1\. You must create and implement an energy efficiency plan at your facility. 2\. You must regularly review and update your energy efficiency plan as part of your facility's management system. 3\. You must have and maintain an energy balance record for your facility. 4\. You must regularly review and update your energy balance record as part of your facility's management system, alongside the energy efficiency plan. Whilst we implement energy efficiency measures as detailed in the operating techniques, we do not currently have a documented energy efficiency plan or energy balance record. By 17.08.2022 Sims will have developed an energy efficiency plan and an energy balance record for the facility. We are not currently in full compliance with appropriate measures subsection 8.3.1 * implement a water saving plan (involving establishing water efficiency objectives, flow diagrams and water mass balances) Whilst we implement water efficiency measures as detailed in the operating techniques, we do not currently have a documented water saving plan. By 17.08.22 Sims will implement a water saving plan (involving establishing water efficiency objectives, flow diagrams and water mass balances).

9. Hazardous substance release	Response / Reference to attached document
Where you are undertaking a listed activity which involves the use, production or release of a relevant hazardous substance (as defined in Article 3(18) of the Industrial Emissions Directive), you must carry out a risk assessment considering the possibility of soil and groundwater contamination at the installation with such substances. Where any risk of such contamination is established, either: • prepare and submit a baseline report[1] containing information necessary to determine the current state of soil and groundwater contamination; or • provide a summary report referring to information previously submitted where you are satisfied that such information represents the current state of soil and groundwater contamination, so as to enable a quantified comparison to be made with the state of soil and groundwater contamination upon definitive cessation of the activity. If you have concluded that there are no risks of soil and groundwater contamination, provide a copy of the risk assessment.	This is not a requirement of BAT A baseline site condition report will be submitted by 31.12.22 The site surface is concrete and there is no pathway by which soil / groundwater contamination could occur.

[1] Baseline report - Defra Guidance - Industrial emissions Directive EPR Guidance on Part A installations (Section 5.10 – 5.15, pages 28-29)
https://www.gov.uk/government/publications/environmental-permitting-regulations-guidance-on-part-a-installations

10. Site infrastructure plan	Response / Reference to attached document
Provide a copy of an up to date site infrastructure plan (or plans) to include the relevant items in the guidance Develop a Management System for Environmental Permits, in particular: • Buildings (with any internal storage areas identified) • Storage bays and areas, tanks, skips • Treatment plant, including pre-shred, shredder and post shredder treatment plant, and standalone treatment plant • Drainage including direction of flow of water in the drain; surface water drainage; discharge points to sewer, watercourse or soakaway; manhole covers and drains • Location of point source emissions to air and water (including sewer) • Waste quarantine area • Entrances and Exits to be used by the emergency services • Surfacing types (for example permeable unmade ground, impermeable hard standing) and containment measures (for example bunds and kerbing) In addition, the plan(s) should include the maximum capacities of the individual storage areas (number of pallets, containers or appliances etc. and tonnes equivalent).	Copy of site plan attached. We were advised by EA that the plan submitted for the Reg 61 response would be used for the permit variation. As such, locations of storage areas have been excluded from this plan as the plan so as not to require permit variation when storage areas change. A degree of flexibility is required with regard to the storage locations to accommodate constantly changing operational and commercial pressures of the metal industry. Maximum capacities are specified in FPP.

11. Other Types of waste	Answer Yes/No	Details of waste accepted / Reference to attached document
Are you permitted to accept wastes other than those that will be treated by any activity not specified in Section 1? If you answer Yes and the other wastes could include, for example, chemical wastes, healthcare wastes or non-hazardous and inert wastes , tell us: • if you are currently complying with all the relevant appropriate measures guidance? • which relevant appropriate measures you are not currently in compliance with including which appropriate measure guidance and which subsection heading and numbered points and tell us when you will be in full compliance. • whether you believe some appropriate measures in the relevant guidance are not applicable and explain which ones they are including sub section heading and numbered points. If you are proposing alternative measures to those in the relevant guidance, indicate which appropriate measures, by subsection heading and numbered points, you will provide alternative measures for, what the alternative measures are and justification here or in a separate document.	No	
12. Existing Pre-operational Conditions	**Answer Yes/No**	**Details of outstanding pre-operational conditions / Reference to attached document**
Do you have any outstanding pre-operational conditions in your existing permit?	No	
13. Existing Improvement Conditions	**Answer Yes/No**	**Details of outstanding pre-operational conditions / Reference to attached document**

Do you have any outstanding improvement conditions in your existing permit?	No	
14. Overlapping or adjacent permits and exemptions		
Are there any overlapping or adjacent waste operation permits on the site? If yes, please provide permit number(s)	No	
Are any wastes accepted under an exemption within or adjacent to the boundary of the installation permit? If yes, please provide details (exemption number ie T9).	No	
Are any wastes accepted under a Standard Rules Permit within or adjacent to the boundary of the installation permit? If yes, please provide details and permit number(s).	No	

15. Combustion plant or specified generators on site	Answer Yes/No	Response / Reference to attached document
Do you have a combustion plant or generator(s) associated with your permitted activity? If you answer Yes, tell us: • the individual thermal input of your combustion plant(s) and/or specified generator(s), including any additional back-up diesel generators. • the date that each combustion plant and generator came into operation. • the type of plant (boiler, engine etc) • the fuel used; • the hours of operation per year. • if applicable, details of contracts to supply electricity or do Triad specifically the date entered in to the contract or agreement • what emissions are released	No	
16. Climate change	**Answer Yes/No**	**Response / Reference to attached document**
Have you considered whether your operations could be affected by a changing climate, for example by having a climate change adaptation plan in place?	Yes	Sims has started the process of considering the risks a changing climate poses to our operations and in future will have appropriate plans in place to assess and manage future risks. In 2021, as a business, Sims progressed our approach to assessing climate risks and opportunities by performing climate scenario analysis to assess potential financial-related impacts of key risks and opportunities. Climate risk is managed through our Enterprise Risk Management (ERM) framework, which is designed to support each business unit in the effective management of risk. It enables a consistent approach to risk identification, management and monitoring through the use of a global risk taxonomy. The work conducted at group level will inform the UK plans. Reference Sustainability Report 2021 Recently the EA brought to the attention of industry via FAQ's on 01.04.22 that "It is anticipated that all waste permits will have EMS to ensure that sites have adequate climate change adaptation plans. We are currently producing new guidance on Climate Change. Where a plan is required but not yet in place we would include an improvement condition to address this." This new guidance will be considered when issued.

In all cases, where information required by this notice has been previously submitted to and accepted by the Environment Agency, and where this remains current and valid, you do not need to resubmit it. Instead, clearly specify the nature of the information and the date it was submitted, with the document reference and version number.

Key URLs for guidance:

https://www.gov.uk/guidance/treating-metal-waste-in-shredders-appropriate-measures-for-permitted-facilities
http://eippcb.jrc.ec.europa.eu/reference/wt.html
https://www.gov.uk/guidance/best-available-techniques-environmental-permits#how-to-propose-an-alternative-technique
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32010L0075
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