

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Sweep Kuusakoski Limited
Sittingbourne WEEE Recycling Facility
Gas Road
Sittingbourne
Kent
ME10 2QB

Variation application number

EPR/GP3498HL/V007

Permit number

EPR/GP3498HL

Sittingbourne WEEE Recycling Facility

Permit number EPR/GP3498HL

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated 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.

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for “existing facilities operating newly prescribed activities” and completes the transition of part of this facility from waste operations to IED Installations.

There are no changes to operations on site. However there are some waste operations which have now become installations:

- storage of hazardous waste (AR1) – S5.6 A(1)(a) Temporary storage of hazardous waste;
- recovery of lead from leaded glass (AR3) – S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste;
- shredding of hazardous WEEE (AR4) - S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste involving physico-chemical treatment
- shredding of non-hazardous WEEE (AR5) – S5.4 A(1)(b)(iv) Recovery or a mix of recovery and disposal of non-hazardous waste.

The sorting and dismantling of WEEE remains a waste operation. The treatment of CRTs remains an installation activity (AR2).

WEEE shredding – before WEEE is fed in to the recovery process to be shredded hazardous components are removed where appropriate. Following the primary shredding of the WEEE it is further shredded, sorted and separated in to different components.

Residues from the WEEE shredding operations are bulked and despatched off-site for recovery.

CRT treatment and lead recovery – CRTs are crushed and the hazardous components and coatings removed. The leaded glass is melted and the lead recovered.

There are 3 existing point source emissions to air from the leaded glass furnace, the glass plant LEV unit and the CRT extraction unit. There is an emission to sewer consisting of roof water and site surface run-off from operational areas. Fugitive emissions may include dust and noise.

The annual throughput of waste for the site remains 100,000 tonnes across all activities and operations.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application received	Duly made 16/01/07	Application for a Waste Electrical and Electronic Equipment Treatment Facility
Permit determined EAWML 10382 (EPR/GP3498HL/A001)	05/04/07	Permit issued to Sweep Limited
Agency-initiated modification EPR/GP3498HL/V002	07/11/08	Notice of modification issued in accordance with WEEE Regulations
Administrative change	07/06/10	Change of company name to Sweep Kuusakoski Limited
Variation Application EPR/GP3498HL/V003 (variation and consolidation)	Duly made 14/03/12	Variation to add a hazardous waste recovery installation and furnace for the recovery of lead to existing permit.
Variation EPR/GP3498HL determined	07/06/12	Varied and consolidated permit issued.
Agency-initiated variation EPR/GP3498HL/V004	29/05/13	Agency-initiated variation to implement the changes introduced by the Industrial Emissions Directive
Variation Application EPR/GP3498HL/V005	Duly made 12/12/13	Variation to add point source emissions (air and sewer) and process building to existing permit.
Additional information received	31/01/14	Response to Schedule 5 notice
Additional information received	03/02/14	Hydrogen chloride and VOCs monitoring results from stack A1
Additional information received	10/02/14	Clarification of Chromium VI calculations
Variation determined EPR/GP3498HL	10/03/14	Varied and consolidated permit issued.
Agency-initiated Application EPR/GP3498HL/V006	Duly made 04/04/14	Agency initiated variation to correct error in table S1.1.
Variation determined EPR/GP348HL	30/04/14	Varied permit issued.
Variation Application EPR/GP3498HL/V007	Duly made 24/09/14	Application to vary and update the permit to IED conditions.
Variation determined EPR/GP3498HL (Billing Ref: BP3132WZ)	15/12/16	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/GP3498HL

Issued to

Sweep Kuusakoski Limited (“the operator”)

whose registered office is

Sweep Building

Gas Road

Sittingbourne

Kent

ME10 2QB

company registration number **05956680**

to operate a regulated facility at

Sittingbourne WEEE Recycling Facility

Gas Road

Sittingbourne

Kent

ME10 2QB

to the extent set out in the schedules.

The notice shall take effect from 15/12/2016

Name	Date
Rebecca Warren	15/12/2016

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/GP3498HL

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/GP3498HL/V007 authorising,

Sweep Kuusakoski Limited (“the operator”),

whose registered office is

Sweep Building

Gas Road

Sittingbourne

Kent

ME10 2QB

company registration number **05956680**

to operate an installation and waste operations at

Sittingbourne WEEE Recycling Facility

Gas Road

Sittingbourne

Kent

ME10 2QB

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

Name	Date
Rebecca Warren	15/12/2016

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, 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.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1, AR1 to AR11, the operator shall:
- (a) 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 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1, AR1 to AR11, the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water 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 by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 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 schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to 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 schedule 1, tables S1.2 to S1.5, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, tables S1.2 to S1.5, 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 Environment Agency.
- 2.3.3 All activities shall take place on impermeable surface with sealed drainage, unless otherwise specified in Table S1.1 or agreed in writing with the Environment Agency.
- 2.3.4 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.5 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5 and S2.6; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.6 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 the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.7 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Hazardous waste storage and treatment

2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.5 WEEE storage and treatment

2.5.1 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.

2.5.2 WEEE (disassembled spare parts, components and residues) shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.

2.5.3 WEEE shall be treated using best available treatment, recovery and recycling techniques (BAT/RTT).

2.5.4 All fluids contained within any WEEE shall be removed prior to further treatment.

2.5.5 As a minimum, the substances, preparations and components specified in table S1.3 shall be removed from any separately collected WEEE.

2.5.6 Separately collected components of WEEE specified in table S1.4 shall be treated in accordance with the methods specified in that table.

2.5.7 Any liquids including those in disassembled spare parts, batteries, capacitors containing PCBs/PCTs and any other hazardous waste shall be stored in suitable sealed and labelled containers.

2.5.8 Equipment shall be provided and used to record the weight of untreated WEEE accepted at, and components and materials leaving the site.

2.6 Improvement programme

2.6.1 The operator shall complete the improvements specified in schedule 1 table S1.5 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.6.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency 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 the sources and emission points listed in schedule 3 tables S3.1 and S3.2.

3.1.2 The limits given in schedule 3 shall not be exceeded.

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, 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 Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency 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 Environment Agency.

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 odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, 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 the odour.

3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency 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 Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from 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 Environment Agency, 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 Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency 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 by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) point source emissions specified in tables S3.1;
- (b) ambient air monitoring specified in table S3.3.

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), where available, unless otherwise agreed in writing by the Environment Agency.
- 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 table S3.1 unless otherwise agreed in writing by the Environment Agency.
- 3.5.5 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.
- 3.7.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
 - (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 Environment Agency, 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 by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 For the following activities referenced in schedule 1, table S1.1, AR1 to AR11, a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) 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 annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, 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 schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; 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 Environment Agency, 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.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 For the following activities referenced in schedule 1, table S1.1, AR1 to AR11, in the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (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 any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an 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 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 For the following activities referenced in schedule 1, table S1.1, AR12, the Environment Agency shall be notified without delay following the detection of:
- (a) 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;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.4 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.5 Where the Environment Agency 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 Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Environment Agency 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 operator is a corporate body other than a registered company:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- 4.3.7 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 Environment Agency 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.
- 4.3.8 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.9 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 For the following activities referenced in schedule 1, table S1.1, AR1 to AR11, 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.
- 4.4.3 For the following activities referenced in schedule 1, table S1.1, AR12, in this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1 Storage of hazardous waste	S5.6 A(1)(a) Temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes pending any of the activities listed in Section 5.1, 5.2 and 5.3	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>Storage of hazardous wastes including cathode ray tubes, WEEE and refrigeration units for recovery on-site or despatch off-site.</p> <p>Hazardous wastes must be kept in secure bays or containers.</p> <p>Waste shall be stored for no longer than 6 months prior to recovery unless otherwise agreed in writing with the Environment Agency.</p> <p>Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and a lid that prevents ingress of water.</p> <p>Refrigeration units:</p> <ul style="list-style-type: none"> • Refrigeration units shall not be stored for more than 3 months without prior written approval from the Environment Agency. • Free storage of refrigeration units shall not exceed a maximum storage height of 3.5 metres. <p>Waste types suitable for acceptance are limited to wastes specified in table S2.2.</p>
AR2 Cathode Ray Tube Treatment	S5.3 A(1)(a)(vi) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving the recycling or reclamation of inorganic materials other than metals or metal compounds	R5: Recycling/ reclamation of other inorganic compounds	<p>From treatment of cathode ray tubes for recovery to despatch of treated waste to other operations on or off-site.</p> <p>Treatment consisting only of sorting, dismantling, separation, baling, grinding, crushing, granulating or compaction of waste into different components.</p> <p>Treatment must take place within a building.</p> <p>Waste types suitable for acceptance are limited to those specified in table S2.3.</p>

Table S1.1 activities			
AR3 Recovery of lead	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	R4: Recycling/ reclamation of metals and metal compounds	From the melting of leaded glass (for the recovery of lead) to the cooling of lead produced from the melting process. Waste types suitable for acceptance are limited to those specified in table S2.4.
AR4 Treatment of hazardous WEEE	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/ reclamation of metals and metal compounds R5: Recycling/ reclamation of other inorganic materials	From receipt of WEEE waste to recovery of shredded materials. Treatment of hazardous WEEE into different components for recovery consisting of shredding and granulating. There shall be no treatment of mercury containing components, items containing asbestos or refractory ceramic fibres, radioactive wastes, refrigeration units or similar cooling/dehumidifying equipment, wastes containing liquids or CRT display equipment. Treatment of shredded materials consisting only of sorting and bulking for despatch off-site for recovery. Treatment shall take place in a building. Buildings, covered areas or containers shall meet the following requirements: <ul style="list-style-type: none"> • buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water; • containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system. Waste types suitable for acceptance are limited to those hazardous wastes specified in table S2.5.

Table S1.1 activities			
AR5 Treatment of non-hazardous WEEE	S5.4 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 treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.	R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/ reclamation of metals and metal compounds R5: Recycling/ reclamation of other inorganic materials	From receipt of WEEE waste to recovery of shredded materials. Treatment consisting of shredding and granulating of non-hazardous WEEE into different components for recovery. Treatment shall take place in a building. Buildings, covered areas or containers shall meet the following requirements: <ul style="list-style-type: none"> • buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water; • containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system. Waste types suitable for acceptance are limited to those non-hazardous wastes specified in table S2.5.
Directly Associated Activity			
AR6	Storage of non-hazardous waste	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt of waste to treatment. Waste shall be stored for no longer than 6 months prior to recovery unless otherwise agreed in writing with the Environment Agency. Waste types suitable for acceptance are limited to those non-hazardous wastes specified in tables S2.4 and S2.5.
AR7	Physical treatment for the purpose of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/ reclamation of metals and metal compounds R5: Recycling/ reclamation of other inorganic materials	From receipt of shredded WEEE waste to storage of processed materials. Treatment consisting only of sorting, separation and grading of shredded materials.

Table S1.1 activities			
AR8	Storage of processed wastes, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From storage of processed materials to despatch off site for recovery. Storage of recovered fractions and shredder residue following treatment.
AR9	Post treatment of de-lead glass	R5: Recycling/reclamation of other inorganic materials	From the cooling of resultant glass from the melting from the lead recovery activity (AR3) to the processing of glass products.
AR10	Raw materials storage	Storage of raw materials.	From the receipt of raw materials to despatch for use within the facility
AR11	Water collection	Collection of site drainage water.	From the receipt of site drainage water to discharge off site.
Activity reference	Description of activities for waste operations	Limits of activities	
AR12 Storage and dismantling of WEEE (including LCD screens)	R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic compounds R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt of waste, storage and treatment to recovery. Treatment of waste consisting only of manual sorting, separation, baling, grinding, crushing or compaction of waste into different components for recovery or disposal (no more than 50 tonnes per day). Except for manual sorting, manual dismantling, repair and refurbishment of WEEE there shall be no treatment of hazardous waste. R5 activity limited to non-hazardous waste only. No treatment in shredders of metal wastes, including WEEE. Waste types suitable for acceptance are limited to those specified in table S2.6.	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Waste Management licence application dated 02/01/07 and supporting information.	04/01/07
Variation application EPR/GP3498HL/V003	Sections 2 and 5 of application form Part C2 and sections 1, 2, and 3 (including Appendix 3 Surface Water Management Plan, in particular, schematic for the extension area excluding the site drainage, Appendix 5 – technical standards), 4 and 6 of the application document Part C3.	21/02/12
Variation application EPR/GP3498HL/V005	Non-technical summary, Air Quality and Sewer Impact Assessment, Site Drainage Plan.	12/12/13
Additional information	Response to Schedule 5 notice, revised site plan.	31/01/14
Additional information	Clarification of Chromium VI concentrations used in air impact assessment.	10/02/14

Table S1.3 Substances, preparations and components to be removed from separately collected WEEE

- Capacitors containing polychlorinated biphenyls in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT)
- Mercury-containing components, such as switches or backlighting lamps
- Batteries
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres
- Toner cartridges, liquid and paste, as well as colour toner
- Plastic containing brominated flame retardants
- Asbestos waste and components which contain asbestos
- Cathode ray tubes
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC)
- Gas discharge lamps
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps
- External electric cables
- Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of hazardous substances
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and the Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation
- Electrolyte capacitors containing "substances of concern" (height > 25mm, diameter > 25mm or proportionately similar volume)

Table S1.4 Specified Treatment Methods for separately collected components of WEEE	
Component	Specified Treatment
Cathode ray tubes	The fluorescent coating shall be removed
Gas discharge lamps	The mercury shall be removed
Equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15 such as those contained in foams and refrigeration circuits	The gases must be properly extracted and properly treated. Ozone depleting gases must be treated in accordance with Regulation (EC) No 1005/2009.

Table S1.5 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall carry out a revised impact assessment (H1 and/or detailed modelling) of all pollutants emitted to air as described in the application which are subject to emission limit values. A written report on the assessment from emission points A1, A2 and A3 shall be submitted to the Environment Agency for approval.</p> <p>Emissions monitoring data obtained during the annual monitoring regime shall be used to compare with those assumed in the impact assessment submitted with the variation application. An assessment shall be made of the impact of each pollutant against the relevant EQS/EAL. In the event that the assessment shows that an EQS/EAL can be exceeded, the report shall include proposals detailing measures to be undertaken to prevent such exceedances and timescales for implementation.</p>	<p>Completed for emission points A2 and A3.</p> <p>A1 carried forward to IC2.</p>
IC2	<p>The operator shall carry out a revised impact assessment (H1 and/or detailed modelling) of all pollutants emitted to air as described in the application (EPR/GP3498HL/V005) which are subject to emission limit values. A written report on the assessment from emission point A1 shall be submitted to the Environment Agency for approval.</p> <p>Emissions monitoring data obtained during the monitoring regime shall be used to compare with those assumed in the impact assessment submitted with the variation application (EPR/GP3408HL/V005). An assessment shall be made of the impact of each pollutant against the relevant EQS/EAL. In the event that the assessment shows that an EQS/EAL can be exceeded, the report shall include proposals detailing measures to be undertaken to prevent such exceedances and timescales for implementation.</p>	<p>Within 6 weeks following the commissioning of the leaded glass furnace</p>
IC3	<p>The operator shall submit a revised Fugitive Emissions Plan to the Agency that demonstrates they are preventing, or where that is not practicable, minimising emissions of dust and particulates by the movement and handling of materials by conveyor belt. The covering of conveyors, transfer points and drop points downstream of the shredder and spraying and misting in dry or windy conditions shall be implemented where appropriate.</p>	<p>15/06/17</p>
IC4	<p>The operator shall submit to the Environment Agency for approval written operating procedures for the removal of hazardous components from WEEE prior to and following treatment under activity AR4 (shredding).</p>	<p>15/06/17</p>

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
Chemicals	Operational requirement only
Fuel oil	Sulphur content not exceeding 0.1% by mass.

Maximum quantity	The aggregate annual throughput for the site for all activities shall not exceed 100,000 tonnes .
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 15*	hazardous components removed from discarded equipment
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury containing batteries
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

Table S2.3 Permitted waste types and quantities for CRT treatment facility (AR2)	
Maximum quantity	The aggregate annual throughput for the site for all activities shall not exceed 100,000 tonnes.
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 15*	hazardous components removed from discarded equipment
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

Table S2.4 Permitted waste types and quantities for lead recovery facility (AR3)	
Maximum quantity	The aggregate annual throughput for the site for all activities shall not exceed 100,000 tonnes.
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 15*	hazardous components removed from discarded equipment
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste not otherwise specified
19 12 05	glass
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

Table S2.5 Permitted waste types and quantities for WEEE/metal shredding (AR4 and AR5)	
Maximum quantity	The aggregate annual throughput for the site for all activities shall not exceed 100,000 tonnes .
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	batteries and accumulators
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 39	plastics ¹
20 01 40	metals ¹
Note 1: These wastes will only be accepted as part of a larger consignment of WEEE.	

Table S2.6 Permitted waste types and quantities for storage and dismantling of WEEE (AR12)	
Maximum quantity	The aggregate annual throughput for the site for all activities shall not exceed 100,000 tonnes .
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 39	plastics ¹
20 01 40	metals ¹
Note 1: These wastes will only be accepted as part of a larger consignment of WEEE.	

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency ¹	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Leaded Glass Furnace	Total particulate matter	5 mg/m ³	Extractive sampling	Annually	BS EN 13284-1
		Hydrogen chloride	10 mg/m ³			BS EN 1911-1
		Total Organic Carbon	50 mg/m ³			BS EN 12619
		Mn	0.1 mg/m ³			BS EN 14385
		Sb	0.1 mg/m ³			BS EN 14385
		Cd	0.01 mg/m ³			BS EN 14385
		As	0.01 mg/m ³			BS EN 14385
		Cr	0.01 mg/m ³			BS EN 14385
		Ni	0.01 mg/m ³			BS EN 14385
		Pb	2 mg/m ³			BS EN 14385
		Ba	0.5 mg/m ³			BS EN 14385
		Hg	0.01 mg/m ³			BS EN 13211
			Dioxins/ furans (I-TEQ)			0.1 ng/m ³
A2 [Point A2 on site plan in Schedule 7]	Glass Plant LEV Unit	Total particulate matter	5 mg/m ³	Extractive sampling	Annually	BS EN 13211
		Mn	0.1 mg/m ³			BS EN 14385
		Sb	0.1 mg/m ³			BS EN 14385
		Cd	0.01 mg/m ³			BS EN 14385
		As	0.01 mg/m ³			BS EN 14385
		Cr	0.01 mg/m ³			BS EN 14385
		Ni	0.01 mg/m ³			BS EN 14385
		Pb	0.5 mg/m ³			BS EN 14385
		Ba	0.5 mg/m ³			BS EN 14385
		Hg	0.01 mg/m ³			BS EN 13211

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency¹	Monitoring standard or method
A3 [Point A3 on site plan in Schedule 7]	CRT Extraction Unit	Total particulate matter	5 mg/m ³	Extractive sampling	Annually	BS EN 13284-1
		Mn	0.1 mg/m ³			BS EN 14385
		Sb	0.1 mg/m ³			BS EN 14385
		Cd	0.01 mg/m ³			BS EN 14385
		As	0.01 mg/m ³			BS EN 14385
		Cr	0.01 mg/m ³			BS EN 14385
		Ni	0.01 mg/m ³			BS EN 14385
		Pb	0.5 mg/m ³			BS EN 14385
		Ba	0.5 mg/m ³			BS EN 14385
		Hg	0.01 mg/m ³			BS EN 13211
¹ Emission limits and monitoring frequency to be reviewed by the Environment Agency following the completion of Improvement Condition 1 (IC1) and Improvement Condition 2 (IC2). Any changes shall be agreed with the Environment Agency in writing.						

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. Unit)¹	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission to Southern Water Waste Water Treatment Works	No parameter set	Roof water and site surface water drainage from external operational areas	No limit set	--	--	--
¹ Discharges to sewer are covered by the trade consent to discharge issued by the sewerage undertaker.						

Table S3.3 Ambient air monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
At a location or locations agreed in writing with the Environment Agency that will obtain reliable and representative data on particulate emissions from the waste management operations.	Total suspended particulates (TSP) unless otherwise agreed in writing with the Environment Agency.	Quarterly unless otherwise agreed in writing with the Environment Agency.	The equipment shall be operated to a procedure agreed in writing with the Environment Agency. The emissions management plan must include action levels and regular review cycles with an overriding aim to reduce particulate emissions from the facility.	Monitoring equipment shall meet the MCERTS Performance Standards for Indicative Ambient Particulate Monitors or similar standard agreed in writing with the Environment Agency. The equipment shall be calibrated in accordance with the manufacturer's recommendations or 6 monthly, whichever is first. The system must be managed and maintained by suitably trained personnel. The system must obtain representative data that must accurately reflect TSP levels produced by the site's activities.

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by 3.5.1	A1, A2, A3	Annual	1 January
Ambient air monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Quarterly	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
WEEE processed	tonnes
Ferrous metal recovered	tonnes
Non-ferrous metal recovered	tonnes
Other fractions recovered	tonnes
Non-metallic shredder residue	tonnes
Lead	tonnes
Glass	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Total raw material used	Annually	tonne

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form Air1 or other form as agreed in writing by the Environment Agency	15/06/17
Ambient air monitoring	Form AmbientMonitoring1 or other form as agreed in writing by the Environment Agency	15/06/17
Water usage	Form WaterUsage1 or other form as agreed in writing by the Environment Agency	15/06/17
Energy usage	Form Energy1 or other form as agreed in writing by the Environment Agency	15/06/17
Other performance indicators	Form Performance1 or other form as agreed in writing by the Environment Agency	15/06/17
Waste returns	E-waste returns	--

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under 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	
Substances(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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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	
Substances(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 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means 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” means any person authorised by the Environment Agency 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.

“baling” means baling that utilises a hydraulic machine that using compressive forces compacts various materials into regular-shaped dense bales (typically a cube). Bales may be belted with straps or steel wire to keep the bale in its compacted state; although for most metal bales this is not necessary. Baled scrap metal may be easier to handle, store and transport than loose scrap.

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled ‘Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRR) and Treatment of Waste Electrical and Electronic Equipment (WEEE)’; and any revision to or replacement of it.

“compacting” means compacting involving the flattening or crushing of compactable metal wastes to aid storage and economic transportation to the scrap processor; it is often a preparation for shredding. Compacting may be achieved using a waste handler’s loading shovel (known as “tapping”) or specially-designed hydraulic flattener.

“cutting” means cutting typically utilising either an oxy-acetylene gas cutting torch or abrasive disc cutter to cut and/or resize large pieces of scrap metal into more manageable sizes; powder torches and plasma torches may be used to cut heat-resistant scrap e.g. pig iron, copper, bronze).

“disposal” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the 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.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“grading” means the sorting of metals to industry-agreed specifications ready for use, without the need for further treatment, by the end consumer to manufacture new metals.

“granulating” means granulated to a very small size with metal/non-metal separation by air classification and flotation.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“ozone-depleting substances” “ODS” means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment, equipment containing solvents, fire protection systems and fire extinguishers.

“pests” means Birds, Vermin and Insects.

“polychlorinated biphenyls and polychlorinated terphenyls” (“PCBs”) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC’.

Article 2(a) says that ‘PCBs’ means:

- polychlorinated biphenyls;
- polychlorinated terphenyls;
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane; and

any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Reference 1” means the International Atomic Energy Agency recommendations in Annex IV of ‘Recommendations on Monitoring and Response Procedures for Radioactive Scrap Metal’, UNECE, 2006.

“Refrigeration unit” should be taken to include all types of refrigeration equipment as well as appliances like heat pump tumble dryers, de-humidifiers and portable air conditioners, and comparable commercial refrigeration units and appliances, are not explicitly included in the unit types defined above, however they should still be taken into account in the Appendix A and Appendix B reporting requirements and managed in accordance with the conditions of the permit where relevant.

“Residual materials” means both materials and wastes resulting from the specified operations.

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system
- all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged.

“separation” means separating wastes into different material types, components and grades.

“shearing” means utilises a range of hydraulic machinery that comprise hard steel blades which cut metals into manageable sizes. It may be hand-held, static or attached to mobile plant (e.g. cranes).

“sorting” means sorting that may be undertaken by hand or machinery. Sorting enables materials to be processed and recycled appropriately. It may involve separation of different waste types or the separation of different metal types including different ferrous metals, non-ferrous metals and non-metallic materials (e.g. paper and plastic). The sorted metals are graded by visual inspection, supplemented by chemical and other laboratory tests. The physical sorting may be assisted by conveyors and electromagnets.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

“WEEE” means waste electrical and electronic equipment.

“WEEE Directive” means Directive 2012/19/EU of the European Parliament and of the Council of 4th July 2012 on waste electrical and electronic equipment (WEEE).

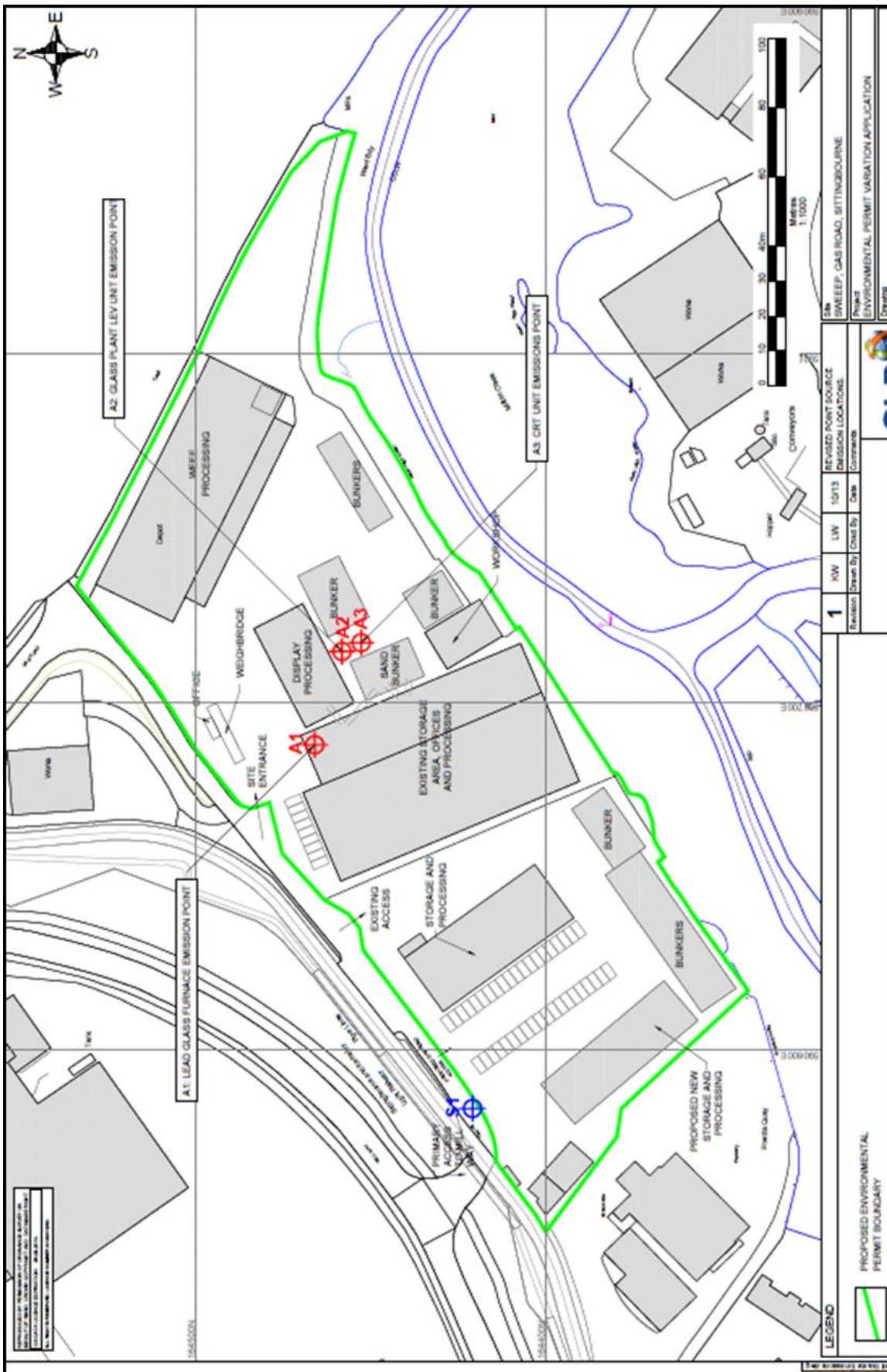
“year” means calendar year ending 31 December.

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.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 – Site plan



END OF PERMIT

Permit number
EPR/GP3498HL

Permit Number: EPR/GP3498HL

Operator:

**Sweep Kuusakoski
Limited**

**Facility: Sittingbourne WEEE
Recycling Facility**

Form Number:

Air1/15/12/16

Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Total particulate matter	5 mg/m ³	minimum 4 hour period		BS EN 13284-1		
A1	Hydrogen chloride	10 mg/m ³	minimum 2 hour period		BS EN 1911-1		
A1	Total Organic Carbon (TOC)	50 mg/m ³	minimum 4 hour period		BS EN 12619		
A1	Mn	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Sb	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Cd	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	As	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Cr	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Ni	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Pb	2 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Ba	0.5 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Hg	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A1	Dioxins / Furans (I-TEQ)	0.1 ng/m ³	minimum 6 hour period		BS EN 1948 Part 1, 2 and 3		
A2	Total particulate matter	5 mg/m ³	minimum 4 hour period		BS EN 13284-1		
A2	Mn	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Sb	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Cd	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	As	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A2	Cr	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Ni	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Pb	0.5 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Ba	0.5 mg/m ³	minimum 4 hour period		BS EN 14385		
A2	Hg	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Total particulate matter	5 mg/m ³	minimum 4 hour period		BS EN 13284-1		
A3	Mn	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Sb	0.1 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Cd	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	As	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Cr	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Ni	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Pb	0.5 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Ba	0.5 mg/m ³	minimum 4 hour period		BS EN 14385		
A3	Hg	0.01 mg/m ³	minimum 4 hour period		BS EN 14385		

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: EPR/GP3498HL

**Operator: Sweep Kuusakoski
 Limited**

**Facility: Sittingbourne WEEE
 Recycling Facility**

Form Number: WaterUsage1/ 15/12/16

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed

Date.....

(authorised to sign as representative of Operator)

Permit Number: EPR/GP3498HL

Operator:

Sweep Kuusakoski Limited

Facility: Sittingbourne WEEE Recycling Facility

Form Number:

Energy1/ 15/12/16

Reporting of Energy Usage for the year

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
Biogas	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: **EPR/GP3498HL**

Operator: **Sweep Kuusakoski
Limited**

Facility: **Sittingbourne WEEE
Recycling Facility**

Form Number: **Performance1/ 15/12/16**

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Total raw material used	tonnes

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: **EPR/GP3498HL** **Operator:** **Sweep Kuusakoski Limited**

Facility: **Sittingbourne WEEE Recycling Facility** **Form Number:** **AmbientMonitoring1 / 15/12/16**

Reporting of ambient monitoring for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Parameter	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
At a location to be agreed in writing with the Environment Agency	Total suspended particulates (TSP) unless otherwise agreed in writing with the Environment Agency.					

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the ‘minimum – maximum’ measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed Date.....

(Authorised to sign as representative of Operator)