Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

DKL Resources Limited

HKS Dagenham
Perry Road
Dagenham
Essex
RM9 6QD

Variation application number

EPR/RP3539QY/V004

Permit number

EPR/RP3539QY

HKS Dagenham
Permit number EPR/RP3539QY

Introductory note

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

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

This permit variation has been issued to implement guidance “Treating metal waste in shredders: appropriate measures for permitted facilities”.

Changes introduced by this variation notice/statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

The Treating metal waste in shredders: appropriate measures for permitted facilities guidance was published on gov.uk on 20 October 2021. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer relevant wastes, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the metal shredding sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

Brief description of the process

The regulated facility comprises the following Schedule 1 Activity:

- Section 5.4 Part 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.

The site is situated within the Dagenham Docks industrial area and is bound by the River Thames to the South, and industrial premises to the West, East and North. The site is within the London Borough of Barking and Dagenham AQMA for Nitrogen Dioxide and PM_{10}, and the centre of Dagenham is approximately 3.5 km to the North. There are 11 Sites of Special scientific interests (SSSI) within 10 km of the facility.

The site accepts, stores and processes metal waste to facilitate recovery elsewhere. The total annual throughput for the site is 150,000 tonnes with a maximum daily processing capacity of 410 tonnes. All wastes accepted and processed on site are non-hazardous and are subject to strict waste acceptance procedures as included within the site Environmental Management System. The material is loaded onto a feed conveyor which feeds into the hammer mill. Output material passes an overhead suction vent which draws mill extraction into a cyclonic separator. Light dust is extracted via a wet scrubber. Mixed fragmentised material continues on the conveyor and enters a suction chute where further removal of mill extraction occurs. Remaining material passes through a trommel and past a rotary magnet where ferrous material is removed and handpicked before passing to the output pile. The remaining material is then fed through another magnet and then into an Eddy Current Separator which separates the non-ferrous scrap from other

non-metal waste. There is one more stage of handpicking before the processed waste is passed to the relevant output pile. The output is temporarily stored before being loaded onto ships for recovery off site.

The site has two extraction points each via a cyclone, one from the hammer mill and one from the downstream conveyor. Both extraction points connect to a single wet scrubber and emissions leave through one point source emission to air. The site has a permit to discharge surface water, via an interceptor, to the River Thames. The discharge activity is incorporated into this consolidated variation.

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**
Waste Management License determined WML80620	25/05/2005	
Application EPR/VP3597NP/V002	01/07/2011	Administrative variation to add 14 waste codes.
Variation determined EPR/VP3597NP/V002	01/08/2011	Varied permit issued.
Application EPR/VP3597NP/V003 (variation and consolidation)	Duly made 08/09/2014	Application to vary and update the permit to IED conditions.
Variation determined EPR/VP3597NP/V003 (Billing ref: EP3632WS)	26/01/2016	Varied and consolidated permit issued in modern condition format.
Application EPR/RP3539QY/T001 (full transfer of permit EPR/VP3597NP)	Duly made 27/06/2018	Application to transfer the permit in full to Van Dalen Dagenham Limited.
Transfer determined EPR/RP3539QY/T001 (Billing ref: RP3539QY)	10/09/2018	Full transfer of permit complete.
Notified of change of Company Name	13/12/2018	Name changed to HKS Dagenham Limited.
Variation issued EPR/RP3539QY/V002 (Billing ref: HP3337QL)	20/12/2018	Varied permit issued to HKS Dagenham Limited.
Application	Duly made	Application to add waste code 19 01 02

Status log of the permit		
Description	**Date**	**Comments**
EPR/RP3539QY/V003 (variation and consolidation)	07/02/2020	
Variation determined EPR/RP3539QY (Billing ref: UP3202BH)	10/08/2020	Varied and consolidated permit issued.
Regulation 61 Notice sent to Operator	11/01/2022	Regulation 61 Notice requiring information for statutory review of permit in relation to the treating metal waste in shredders: appropriate measures for permitted facilities published 20 October 2021.
Regulation 61 Notice sent to Operator	20/04/2022	Regulation 61 Notice requiring information for statutory review of permit in relation to the Waste electrical and electronic equipment (WEEE) appropriate measures for permitted facilities published 13 July 2022.
Regulation 61 Notice response	14/04/2022	Response received from the operator in relation to the Treating metal waste in shredders appropriate measures for permitted facilities published 20 October 2021.
Regulation 61 Notice response	28/03/2023	No response received. Confirmation that WEEE operations are no longer carried out and a response to the Regulation 61 notice for WEEE is not required.
Application (variation and consolidation) EPR/RP3539QY/V004	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018, Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities published 13 July 2022 and Treating metal waste in shredders: appropriate measures for permitted facilities published 20 October 2021.
Additional information received in response to the Request for Further Information (RFI) dated 09/08/2024	03/09/2024 10/09/2024 09/10/2024	• Confirmation EMS is compliant with appropriate measures. • Confirmation of changes to WEEE waste codes. • Confirmation that metal shredder residue (MSR) is being classified as hazardous waste.
Additional information received in response to the Request for Further Information (RFI) dated 18/10/2024	25/10/2024 21/11/2024	• Updated waste acceptance procedures to reflect management of logged ELVs • Alternative measures for storing MSR undercover
Notified of change of Company Name	19/02/2025	Name changed to DKL Resources Limited

Status log of the permit		
Description	**Date**	**Comments**
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/RP3539QY/V004	09/05/2025	Varied and consolidated permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/RP3539QY

Issued to

DKL Resources Limited ("the operator")

of whose registered office is

Dagenham Docks
Perry Road
Dagenham
Essex
RM9 6QD

company registration number 05307518

to operate a regulated facility at

HKS Dagenham
Perry Road
Dagenham
Essex
RM9 6QD

to the extent set out in the schedules.

The notice shall take effect from 09/05/2025

Name	Date
Hannah Finney	**12/05/2025**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/RP3539QY

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/RP3539QY/V004 authorising,

DKL Resources Limited ("the operator"),

whose registered office is

Dagenham Docks
Perry Road
Dagenham
Essex
RM9 6QD

company registration number 05307518

to operate an installation at

HKS Dagenham
Perry Road
Dagenham
Essex
RM9 6QD

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

Name	Date
Hannah Finney	**12/05/2025**

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 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 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, table S1.2, 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, table S1.2, or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan , and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 All activities shall take place on impermeable surfaces 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 table S2.2; 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 properties 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 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 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.

3.1.3 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.

3.2 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 Emissions from the metal shredder shall be free from sudden noise or vibration at levels likely to cause pollution outside the site, 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 sudden noise and vibration.

3.4.3 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 and S3.2; and

(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 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Monitoring for radioactive substances

3.6.1 The operator shall carry out monitoring of all waste delivered to the site to determine, so far as reasonably practicable, whether it contains any radioactive substances.

3.6.2 Monitoring equipment shall be installed and operational 3 months from the issue of this permit.

3.6.3 The monitoring carried out to fulfil condition 3.6.1 shall include, as a minimum, use of:

(a) fixed radiation detectors at all weighbridges at the site; and

(b) a hand held detector to investigate alarms generated by the equipment in (a) above.

3.6.4 The equipment referred to in condition 3.6.3 (a) shall:

(a) include solid state scintillation detectors;

(b) be positioned as close as reasonably practicable to the waste being monitored;

(c) have a sensitivity to gamma radiation consistent with the minimum performance as specified in the International Atomic Energy Agency recommendations in Annex IV of 'Recommendations on Monitoring and Response Procedures for Radioactive Scrap Metal', UNECE, 2006;

(d) include visual and audible alarms which activate on detection of radiation above a defined action level.

3.6.5 All radiation monitoring equipment shall be subject to a regular calibration and testing programme to ensure satisfactory performance is maintained.

3.6.6 The operator shall establish and maintain procedures for responding to alarms generated by the equipment referred to in condition 3.6.3.

3.6.7 The operator shall, without delay, inform the Environment Agency of each confirmed detection of radiation in accordance with this condition and the action taken in accordance with condition 4.3.1.

3.7 Pests

3.7.1 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.

3.7.2 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.

3.8 Fire prevention

3.8.1 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.

3.8.2 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 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 one month of the end of each year , 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 year.

4.3 Notifications

4.3.1 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 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 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.

4.3.4 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:

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the 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.

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

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

Schedule 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	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.	Shredding of non-hazardous metal waste, WEEE and end-of-life vehicles. 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 treatment of waste by shredding to storage of treated waste. Treatment consisting only of shredding of waste containing ferrous and non-ferrous metals for recovery. Waste types suitable for acceptance are limited to those non-hazardous waste types specified in Table S2.2. No more than 410 tonnes of waste shall be shredded per day. Treated waste shall be stored for no longer than 6 months. Shredder non-metallic fractions (MSR) shall be stored in locations 23 A (light fraction) and 23 B (heavy fraction) on the site map in table S1.2. Management of non-metallic fractions is as described in Table S1.2.
	Directly Associated Activities		
AR2	Storage of non-hazardous waste pending treatment	Storage of non-hazardous waste pending AR1 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 storage of waste prior to treatment by shredding. Storage for no more than 6 months prior to treatment or transfer. Maximum storage capacity of 18,000 tonnes. Waste types suitable for acceptance are limited to those specified in Table S2.2.
AR3	Raw material handling and storage	Handling and storage of raw materials including lubricating oil, diesel (for mobile plant), engine oil, propane cylinders and oxygen cylinders.	From the receipt of raw materials to despatch for use within the facility.
AR4	Physical treatment for the purpose of recycling	Mechanical sorting, segregation and grading of non-hazardous fractions resulting from the	From treatment consisting of sorting, separation and grading to storage of treated waste.

		shredding of wastes containing ferrous and non-ferrous metals. 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	No more than 410 tonnes of waste shall be treated per day. Treated waste shall be stored for no longer than 6 months. Shredder non-metallic fractions (MSR) shall be stored in locations 23 A (light fraction) and 23 B (heavy fraction) on the layout plan in table S1.2. Management of non-metallic fractions is as described in Table S1.2.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application EPR/VP3597NP/V003	Part C3 of the application, table 3 – Technical Standards.	08/09/2014
Application EPR/VP3597NP/V003	All supporting documentation provided in support of application variation no. EPR/VP3597NP/V003.	08/09/2014
Application EPR/RP3539QY/V004 Regulation 61 Notice response	Emergency Layout Plan (ref. MERS/MSE/3778-6)	14/04/2022
	Fire Water Containment Plan (ref. MERS/MSE/3778-4)	
	Surfacing Plan (ref. MERS/MSE/3778-3)	
Treating metal waste in shredders: appropriate measures for permitted facilities Version published 20 October 2021	All parts of the appropriate measures guidance shall apply other than: • those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier); • those parts for which an alternative measure has been agreed. The following alternative measures have been agreed: • Waste storage, segregation and handling appropriate measures – measure 3 of section 4.1.	14/04/2022
Additional information Response to Request for Further information dated 09/08/2024	Environmental Management System ref: HKSD EMS Final v1	02/09/2024
	Site Closure Plan ref: HKSD SCP FINAL v1	
	Drainage Plan (ref. MERS3778-5)	01/10/2024
	Layout Plan (ref. MERS3778-2B)	07/10/2024
Additional information Response to Request for Further information dated 18/10/2024	Waste Acceptance procedures ref: HKSD WAP Final v2	24/10/2024
Additional information Response to request for information dated 12/11/2024	Alternative measures for point 3 of section 4.1 of waste storage, segregation and handling appropriate measures: Points 1 to 7 (regarding	21/11/2024

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
	storage, dust suppression systems over MSR and managing MSR).	

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC4	The operator shall develop and submit a fire prevention plan to the Environment agency in writing. The plan shall take into account the required information as specified in the Environment Agency's technical guidance, Fire prevention plans (version 2, dated March 2015). The appropriate measures for fire prevention shall include: • the management of storage of feedstock, product and/or waste piles • measures to prevent, detect and contain fires; and • the management of firewaters The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the written proposals. The operator shall implement the procedures and measures in accordance with the Environment agency's written approval.	10/11/2020
IC5a Updated emissions inventory (air and water)	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to fully characterise and assess the facility's point source emission(s) to air/water in emission points C10 and C9 as shown in plan in Schedule 7. The monitoring programme shall be designed to meet the requirements of the Environment Agency's guidance Treating metal waste in shredders: appropriate measures for permitted facilities, dated 22 October 2021 referred to in in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measures of the guidance will be met: 7.1 Emissions to air 7.2 Emissions limits and monitoring requirements 7.3 Emissions to water or sewer The report shall:	Submission of written report proposing monitoring programme 09/08/2025

Table S1.3 Improvement programme requirements		
	a) detail the parameters and substances that will be tested for. Monitoring of emissions to air from emissions point C10 shall include speciated VOCs, b) include proposals for monitoring the following parameters: those listed in Schedule 3, Table S3.1 and S3.2 or present conclusive evidence to suggest any parameter is not present/relevant in the emission, c) Detail the monitoring methods, equipment and frequency to be used and justify any alternatives to the methods set out in Schedule 3, Table S3.1 and S3.2 for monitoring the listed parameters, d) Establish a timetable for undertaking the monitoring.	
IC5b H1 risk assessment (air and water)	The operator shall submit a written report to the Environment Agency for assessment and written approval. The report must include: a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with the approved monitoring programme under condition IC5a. b) A comparison of the monitoring results with the limits listed in Schedule 3, Table S3.1 and S3.2 or reference the BAT-AELs for each parameter. c) the results and conclusions from an assessment of the environmental impact of the emissions to air/water using all relevant parameters identified from the monitoring programme proposed under condition IC5a. The assessment must be carried out using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) and/or modelling as required following our guidance: • 'Surface water pollution risk assessment for your environmental permit' • Air emissions risk assessment for your environmental permit - GOV.UK • H1 annex D2: assessment of sanitary and other pollutants in surface water discharges - GOV.UK Where it is concluded that the impact of the emission may be significant or is exceeding an environment standard The operator shall:	Submission of written report detailing monitoring and assessment results and further proposals 6 months from approval of monitoring programme in accordance with IC5a or as agreed with the Environment Agency

Table S1.3 Improvement programme requirements		
	d) Review the BAT AELs and determine whether there is a requirement for emissions limits to be lower than the BAT AELs in order to prevent exceedance of environmental standards. e) Propose revised emission limits. Where the proposed limits, limits listed in Table S3.1 and S3.2 for any parameter could be exceeded, the report must also include: f) Proposals for measures to mitigate the emission to meet the relevant emission limit such as (additional) abatement and timescales for the implementation of the measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	
IC6a	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to assess the facility's diffuse emissions to air. The report must contain: • Details of parameters and substances to be monitored, the monitoring methods and equipment to be used, and a timetable for undertaking the monitoring. • Details of the locations to be monitored, including but not limited to: ▪ light fraction storage bunker (23A on layout plan - drawing no. MERS3778-2B) ▪ heavy fraction storage pile (23B on layout plan - drawing no. MERS3778-2B). The monitoring programme shall be carried out as approved by the Environment Agency.	09/08/2025
IC6b	The operator shall submit a written report to the Environment Agency for approval detailing: • Results and conclusions of the monitoring carried out under condition IC6a • Review of effectiveness of the facility's current diffuse emissions monitoring strategy and preventative measures	Submission of written report detailing monitoring and assessment results and further proposals 3 months from approval of monitoring programme in accordance with IC6a or as agreed in writing

Table S1.3 Improvement programme requirements		
	• Details of potential dust related complaints • Proposals for any ongoing monitoring or further assessment where necessary • Proposals for any required improvements including: ○ a review of the need to cover the MSR at locations 23A and/or 23B (layout plan – drawing no. MERS3778-2B), • Proposals for emissions limits where required • Timescales for implementation of proposals where required The improvements shall be implemented with the timescales as approved by the Environment Agency.	with the Environment Agency
IC7	The operator shall submit a deflagration management plan to the Environment Agency for approval. The plan shall take into account all appropriate measures for prevention of deflagrations and reduction of emissions specified in the Environment Agency's guidance Treating metal waste in shredders: appropriate measures for permitted facilities, dated 22 October 2021 referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met: • a review of historical deflagration incidents and remedies and sharing deflagration knowledge (measure 30) Once the deflagration management plan has been agreed with the Environment Agency, the installation must be operated in accordance with this management plan.	09/07/2025
IC8	The operator shall review and resubmit their site drainage plan to the Environment Agency for approval. The plan shall review the feasibility of clean and dirty water control segregation measures and options for containment, treatment, recycling and re-use of water. The plan shall confirm impermeable surfacing, and a sealed drainage system are in place for external areas of the site where waste is stored or handled.	09/08/2025

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
--	--

Table S2.2 Permitted Waste types and quantities for Metal Shredding	
Maximum Quantities The total quantity of waste accepted at the site shall be less than 150,000 tonnes a year.	
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres Wastes that are in a form which is either sludge or liquid
Waste Code	**Description**
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 13	welding wastes
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 04	metallic packaging
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and waste from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 06	end-of-life vehicles containing neither liquids nor other hazardous components
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13 (consisting only of carcasses of cookers, washing machines, dishwashers and tumble dryers (excluding heat pump tumble dryers) from which all electrical and electronic components have been removed)

16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15 (consisting only of carcasses of cookers, washing machines, dishwashers and tumble dryers (excluding heat pump tumble dryers) from which all electrical and electronic components have been removed)
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 04	**metals (including their alloys)**
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
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 01	**wastes from incineration or pyrolysis of waste**
19 01 02	ferrous materials removed from bottom ash
19 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous wastes
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 02	ferrous metal
19 12 03	non-ferrous metal
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 40	metals

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency (Note 1 and Note 2)**	**Monitoring standard or method**
C10 Emissions control system exhaust from metal shredder	Metal shredder air extraction and abatement system	Dust	5 mg/m3	Average value of 3 consecutive measurements of at least 30 minutes	6 monthly	EN 13284-1
		Total VOCs	-	Average value of 3 consecutive measurements of at least 30 minutes	6 monthly	EN 12619
		Brominated flame retardants (Note 3)	-	Average value of 3 consecutive measurements of at least 30 minutes	Annually	BS EN 1948
		Dioxin-like polychlorinated biphenyls (PCBs) (Note 3)	-	Average value of 3 consecutive measurements of at least 30 minutes	Annually	EN 1948-1, 2, 4. (Note 4)
		Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V) (Note 3)	-	Average value of 3 consecutive measurements of at least 30 minutes	Annually	EN 14385
		Dioxins and furans (PCDD/F) (Note 3)	-	Average value of 3 consecutive measurements of at least 30 minutes	Annually	EN 1948-1, 2, 3 (Note 4)

Note 1: An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC 5 (a) and (b).

Note 2: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable.

Note 3: This monitoring requirement and limit only applies when the substance is present in the waste gas stream.

Note 4: Instead of EN 1948-1, sampling may also be carried out according to CEN/TS 1948-5.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 3)**	**Limit (incl. unit)**	**Reference Period (Note 1)**	**Monitoring frequency (Note 2 and Note 4)**	**Monitoring standard or method**
C9 Emission to River Thames National Grid Reference TQ 48927 81734 Consent number: WR1102	Discharge of site drainage from roofs, non-operational areas, storage and treatment areas via an oil interceptor	Oil or grease	None visible	--	Daily	Visual assessment
		TOC COD (Note 5)	60 mg/l 180 mg/l	--	Monthly	BS 6068-2 34 BS ISO 15705
		Total suspended solids	40 mg/l	--	Monthly	BS EN 872
		Hydrocarbon oil index	10 mg/l	--	Monthly	EN ISO 9377-2
		Arsenic (Note 6)	0.05 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Cadmium (Note 6)	0.05 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Chromium (Note 6)	0.15 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Copper (Note 6)	0.5 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Lead (Note 6)	0.3 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Nickel (Note 6)	0.5 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Zinc (Note 6)	2.0 mg/l	--	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Mercury (Note 6)	0.005 mg/l	--	Monthly	EN ISO 17852 EN ISO 12846
		PFOA PFOS Deca BDE (Note 6)	-	--	6 monthly	BS ISO 25101

Note 1 - Relevant reference period:

• In the case of continuous discharge, daily average values, i.e. 24-hour flow-proportional composite samples.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 3)**	**Limit (incl. unit)**	**Reference Period (Note 1)**	**Monitoring frequency (Note 2 and Note 4)**	**Monitoring standard or method**
• In the case of batch discharge, average values over the release duration taken as flow-proportional composite samples, or, provided that the effluent is appropriately mixed and homogeneous, a spot sample taken before discharge. Note 2 – Monitoring frequencies may be reduced by written agreement of the Environment Agency if emission levels are proven to be sufficiently stable. Note 3 - In addition the operator shall also monitor for relevant waste water parameters as required for example flow, pH, temperature, conductivity, BOD Note 4 - An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC5 (a) and (b). Note 5 - Note 5: Either total organic carbon (TOC) or chemical oxygen demand (COD) can be monitored. TOC monitoring is preferred as does not rely on the use of very toxic compounds. Note 6 - This substance is only required to be monitored where present in the waste water emissions inventory.						

Table S3.3 Ambient 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. Particulate matter less than 10 millionth of a metre in diameter (PM_{10}). 50 µg/m^3 or other level agreed in writing with the Environment Agency.	Monthly 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. 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**
Ambient Air monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Monthly or as agreed in writing by the Environment Agency.	1 January
Emissions to Air Parameters as required by condition 3.5.1	C10	Every 6 months, or as agreed in writing by the Environment Agency.	1 January, 1 July
Emissions to water Parameters as required by condition 3.5.1	C9	Every 6 months, or as agreed in writing by the Environment Agency.	1 January, 1 July

Table S4.2 Annual production/treatment	
Parameter	**Units**
Metal treated	tonnes
Ferrous metal recovered	tonnes
Non-ferrous metal recovered	tonnes
Non-metallic shredder residue	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 air 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Ambient air monitoring	Form ambient monitoring 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) 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 (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE)’.

“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.

“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.

“dust” means total particulate matter (in air).

“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 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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 lll of the Waste Framework Directive.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016

“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.

“pests” means Birds, Vermin and Insects.

“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.
“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.

“shredding” includes treatment in plant such as hammer mills, chain mills, rotary shears and other similar equipment that is designed to fragment metal into smaller pieces to allow the separation of the metallic and the non metallic fractions. It does not include shearers and guillotines which utilise a range of hydraulic machinery that comprise hard steel blades to cut metals into manageable sizes.’

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“waste motor vehicle” means a wheeled vehicle for use on land and that does not operate on rails that is waste within the meaning of Article 3(1) of the Waste framework Directive.

“WEEE” means waste electrical and electronic equipment.

“year” means calendar year ending 31 December.

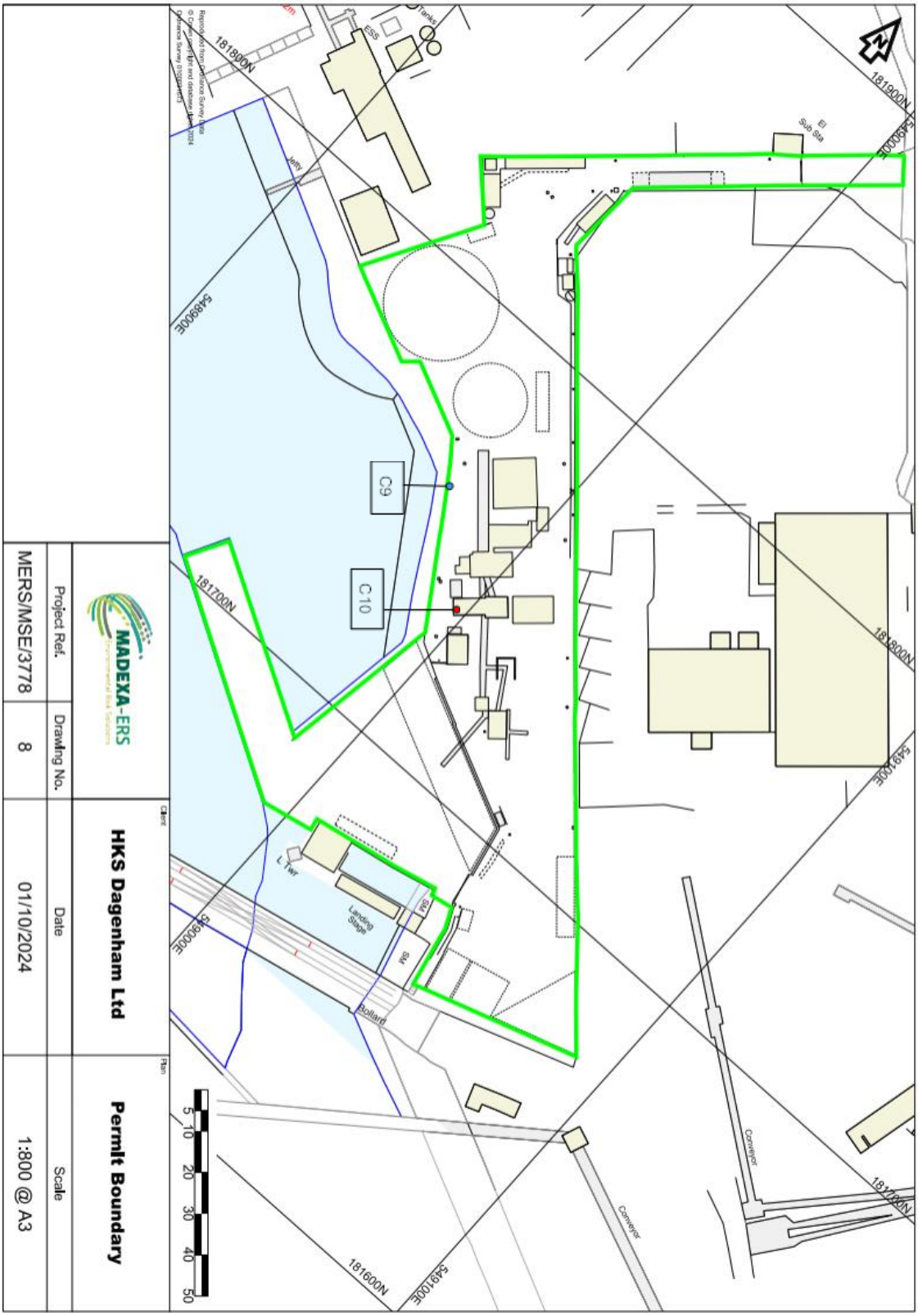
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

Schedule 7 – Site plan



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END OF PERMIT

Permit Number:	**RP3539QY**	**Operator:**	**DKL Resources Ltd**
Facility:	**HKS Dagenham**	**Form Number:**	**Air1 / DD/MM/YY**

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]

[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: **RP3539QY** **Operator:** **DKL Resources Ltd**

Facility: **HKS Dagenham** **Form Number:** **Water1 / DD/MM/YY**

Reporting of emissions to water (other than to sewer) and land 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]

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:	**RP3539QY**	**Operator:**	**DKL Resources Ltd**
Facility:	**HKS Dagenham**	**Form Number:**	**WaterUsage1 / DD/MM/YY**

Reporting of Water Usage for the year

Water Source	Usage (m^3/year)	Specific Usage (m^3/unit output)
TOTAL WATER USAGE		

Operator's comments:

Signed …… Date……..

(authorised to sign as representative of Operator)

Permit Number:	**RP3539QY**	**Operator:**	**DKL Resources Ltd**
Facility:	**HKS Dagenham**	**Form Number:**	**Energy1 / DD/MM/YY**

Reporting of Energy Usage for the year

Energy Source	**Energy Usage**		**Specific Usage (MWh/unit output)**
	Quantity	**Primary Energy (MWh)**	

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: **RP3539QY** **Operator:** **DKL Resources Ltd**

Facility: **HKS Dagenham** **Form Number:** **Performance1 / DD/MM/YY**

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

Parameter	Units

Operator's comments:

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number:	**RP3539QY**	**Operator:**	**DKL Resources Ltd**
Facility:	**HKS Dagenham**	**Form Number:**	**Ambient monitoring1 / DD/MM/YY**

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]

[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)