

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

SUEZ Recycling and Recovery UK Ltd

Sidegate Lane Recycling Facility

Sidegate Lane

Wellingborough

Northamptonshire

NN8 1RN

Variation application number

EPR/XP3092NX/V005

Permit number

EPR/XP3092NX

Sidegate Lane Recycling Facility

Permit number EPR/XP3092NX

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.

The site is located on Sidegate Lane in Wellingborough, Northamptonshire (NGR SP 91464 70336). The site is located approximate 3.5km northeast of the centre of Wellingborough, North Northamptonshire. The site is adjacent to the closed Sidegate Lane Landfill.

The permit currently permits the operation of an open windrow composting (OWC) and transfer station. This application is to vary the permit to allow the operation of a lithium-ion battery recycling facility. When operating as a battery recycling facility, transfer operations will be limited to the acceptance of batteries of various chemistries and fluorescent tubes for storage and transfer only. However, the permit will allow the re-activation of the non-hazardous transfer station as a whole once a pre-operational condition (chargeable) for submission of new technical documents have been submitted for assessment and approval, has been satisfied. The open windrow composting operation will remain in the permit but not operational with no permitted waste to be accepted and a requirement, under a pre-operational condition (chargeable), for the operator to submit new technical documents for assessment and approval before such activity can re-commence.

The schedules specify the changes made to the permit.

We consider that in reaching our decision to vary the permit we have taken into account all relevant considerations and legal requirements. We are satisfied that the permit will ensure that a high level of protection is provided for the environment and human health and that the activities will not give rise to any significant pollution of the environment or harm to human health.

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 Licence issued EAWML 73144	12/01/04	Original licence issued to SITA UK Limited.
Variation determined EPR/XP3092NX/V002 (EAWML 73144)	20/02/14	Permit updated to modern conditions and varied to increase the site boundary, add a transfer activity and update the waste codes.
Variation determined (EPR/XP3092NX/V003)	30/06/16	Permit varied to change the company name to SUEZ Recycling and Recovery UK Ltd and update the registered office address.
Regulation 61 Notice sent to Operator	29/06/21	Regulation 61 Notice requiring information for statutory review of permit.
Regulation 61 Notice response	31/08/21	Response received from the operator.

Status log of the permit		
Description	Date	Comments
Application EPR/XP3092NX/V004 (variation and consolidation)	Environment Agency Initiated Variation	Statutory review of permit.
Environment Agency Biowaste Treatment Sector Review Variation determined EPR/XP3092NX/V004	16/11/22	Varied and consolidated permit issued.
Application EPR/XP3092NX/V005 (variation and consolidation)	17/07/2025	Application submitted
Application EPR/XP3092NX/V005 (variation and consolidation)	27/10/2025	Additional information received following RFI confirming OWC will not be operational; the transfer station waste to be restricted to batteries and fluorescent tubes for storage only and a revised layout plan
Application EPR/XP3092NX/V005 (variation and consolidation)	27/10/2025	Duly made
Application EPR/XP3092NX/V005 (variation and consolidation)	May 2026	Additional information requested in meeting
Application EPR/XP3092NX/V005 (variation and consolidation)	02/06/2026	Revised fire prevention plan with updated site layout plan submitted
Application EPR/XP3092NX/V005 (variation and consolidation)	05/08/2026	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

Permit number

EPR/XP3092NX

Issued to

SUEZ Recycling and Recovery UK Ltd ("the operator")

whose registered office is

**SUEZ House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES**

company registration number 02291198

to operate regulated facilities at

**Sidegate Lane Recycling Facility
Sidegate Lane
Wellingborough
Northamptonshire
NN8 1RN**

to the extent set out in the schedules.

The notice shall take effect from 05/08/2026

Name	Date
Maxine Evans	05/08/2026

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 2016

Permit number

EPR/XP3092NX

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/XP3092NX/V005 authorising,

SUEZ Recycling and Recovery UK Ltd (“the operator”)

whose registered office is

**SUEZ House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES**

company registration number 02291198

to operate an installation and waste operations at

**Sidegate Lane Recycling Facility
Sidegate Lane
Wellingborough
Northamptonshire
NN8 1RN**

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

Name	Date
Maxine Evans	05/08/2026

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 or other approval issued by the Environment Agency.

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR12) 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 AR12) 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 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 and S2.5; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to 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.
- 2.3.5 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.

Hazardous waste storage and treatment

- 2.3.6 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.

2.4 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.

2.5 Pre-operational conditions

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

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 table 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 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 table S3.1 and S3.2.
 - (b) process 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.

3.6 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 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.

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 AR16) 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 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.

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.

4.3.7 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 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 & description	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 – Treatment of hazardous wastes from the shredding process	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. Physical treatment for onward recovery of hazardous materials generated by AR8 from the shredding of lithium batteries, AR5 the shredding of hazardous waste and Lithium battery shred from other sites as detailed in Table S2.2. R4 Recycling/reclamation of metals and metal compounds. R5: Recycling/reclamation of other inorganic materials	Treatment operations shall be limited to: Treatment within an integrated plant. Consisting only of drying in a vacuum airflow, grinding, mechanical sorting, separating, sieving, screening and compaction using a press into different components for recovery. All treatment activities shall be carried out at all times in an environment (using water) to minimise any risk of fires or explosions. Treatment shall only take place within the processing building on impermeable surface with sealed drainage as shown on drawing No. Sgl-LITH-LAY-0626-02. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to the waste output from activity AR8, AR5 and Li battery shred, as detailed in Table S2.2, from other sites only. A maximum of 84 tonnes per day shall be treated.
AR2 – Hazardous waste transfer station-sorting and separation	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. R4: Recycling/reclamation of metals and metal compounds. R5: Recycling/reclamation of other inorganic materials	From receipt and storage of hazardous waste prior to despatch off site. Treatment consisting of manual sorting, separation and bulking up of hazardous waste. Batteries shall be sorted to ensure that they are stored separately by type/chemistry. Treatment shall take place in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. as shown on drawing No. Sgl-LITH-LAY-0626-02. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Lead acid batteries shall be stored upright with terminals taped off or

Table S1.1 activities			
Activity reference & description	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
			capped, in acid proof containers to prevent leaks and short circuits. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. No waste shall be stored for longer than 6 months. Waste types as specified as hazardous waste in Table S2.3.
AR3 – Hazardous waste repackaging	S5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. R4: Recycling/reclamation of metals and metal compounds. R5: Recycling/reclamation of other inorganic materials D14: Repackaging prior to submission to any of the operations numbered D1 to D13	From receipt and storage of hazardous waste prior to despatch off site. Treatment consisting of repackaging of hazardous waste (Batteries, battery waste and fluorescent tubes only). Treatment shall take place in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. as shown on drawing No. Sgl-LITH-LAY-0626-02. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. Fluorescent tubes shall be stored in appropriate containers to prevent any damage to the tubes while being handled and transported. Fluorescent tubes shall be stored within appropriate weatherproof containers or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored. No waste shall be stored for longer than 6 months. Waste types as specified as hazardous waste in Table S2.3.
AR4 – Hazardous waste	S5.6 A(1)(a) Temporary storage of hazardous waste	Temporary storage of more than 50 tonnes of	Storage of hazardous waste pending transfer off site for treatment elsewhere.

Table S1.1 activities			
Activity reference & description	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
transfer station (Batteries, battery waste and fluorescent tubes)	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	hazardous waste pending recovery. 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). D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).	(Batteries, battery waste and fluorescent tubes) No waste shall be stored for longer than 6 months. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system as shown in drawing No. Sgl-LITH-LAY-0626-02. Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. Fluorescent tubes shall be stored in appropriate containers to prevent any damage to the tubes when being handled and transported. Fluorescent tubes shall be stored within appropriate weatherproof containers or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Waste types restricted to the hazardous wastes listed in table S2.3. The maximum volume of waste stored shall not exceed 300m³.
AR5 – Hazardous waste shredding (Hazardous Li battery waste from other battery manufacture processes.)	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. Shredding of hazardous wastes, for onward recovery through activity AR1. R3: Recycling/reclamation of organic substances which are not used as solvents R4 Recycling/reclamation of metals and metal compounds	Treatment operations shall be limited to: Treatment consisting only of shredding (2 stage shredding plant) of hazardous wastes associated with lithium battery manufacture only for further recovery on site through activity AR1. All treatment activities shall be carried out at all times in an environment (using water) to prevent any risk of fires or explosions. Treatment shall only take place within the processing building on impermeable surface with sealed drainage as shown on drawing No. Sgl-LITH-LAY-0626-02.

Table S1.1 activities			
Activity reference & description	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
		R5: Recycling/reclamation of other inorganic materials	Treatment for recovery shall be no more than 84 tonnes per day in total for activities AR5, AR8 and AR14. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to hazardous wastes (Li battery wastes) specified in Table S2.2.
AR6 – Hazardous waste storage pending shredding on site (Li battery wastes only)	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	Temporary storage of more than 50 tonnes of hazardous waste pending recovery. 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).	Storage of hazardous waste pending treatment on site. (Li battery wastes only) Li based battery waste shall be stored in within the processing building on an impermeable surface with a sealed drainage system or in weatherproof ISO containers outside on an impermeable surface with a sealed drainage system. The maximum volume of waste stored shall not exceed 198m³. Waste types restricted to the hazardous wastes listed in table S2.2.
Directly Associated Activity			
AR7	Storage of Lithium Batteries prior to on-site treatment	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 non-hazardous lithium batteries to storage prior to onsite treatment. Lithium batteries shall be stored within the processing storage building on impermeable surface with sealed drainage or in appropriate weatherproof ISO containers in the outside storage area as shown on drawing No. Sgl-LITH-LAY-0626-02. The maximum volume of waste stored shall not exceed 198 m³. Li based batteries from electric vehicles shall be stored separately from other batteries. Li based batteries shall be stored to prevent them from: •coming into contact with any liquids •being damaged

Table S1.1 activities			
Activity reference & description	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
			•being exposed to high temperatures Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to Li batteries (EWC codes 16 06 05 and 20 01 34) specified in Table S2.2.
AR8	Shredding of Lithium Batteries	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	Treatment operations shall be limited to: Treatment consisting only of shredding (2 stage shredding plant) of non-hazardous lithium batteries only for further recovery on site. Treatment shall only take place within a building as shown on drawing No. Sgl-LITH-LAY-0626-02. All treatment activities shall be carried out at all times in an environment (with water) to prevent any risk of fires or explosions. Treatment for recovery shall be no more than 84 tonnes per day in total for activities AR5, AR8 and AR14. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to Li batteries (EWC codes 16 06 05 and 20 01 34) specified in Table S2.2.
AR9	Raw materials handling and storage	Handling and storage of raw materials, including fuel and chemicals.	Receipt and storage of any raw materials directly associated with the permitted activities on site. All liquid raw materials shall be stored in sealed containers/tanks within bunded areas or within plant with storage with integral bunds.

Table S1.1 activities			
Activity reference & description	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
AR10	Storage of residual waste (non-hazardous and hazardous) produced as part of the on-site treatment of Lithium Batteries.	Handling and storage of residual waste from the Lithium battery shredding and treatment sorting activity.	From the production of the residual waste to the storage of such waste prior to the removal off site for treatment or disposal elsewhere. Storage of all residual wastes must be in-line with the most suitable BAT requirements. Storage of residual black mass must be within suitable containers within the processing building/container as shown on drawing No. Sgl-LITH-DRN-0626-02. Any building/container must be fitted with the appropriate fire detection and control measures at all times. The maximum volume of black mass stored on-site shall not exceed 67m³. No waste shall be stored for longer than 6 months.
AR11	Management and storage of rainwater falling on the site	Surface water run-off shall be directed to the drainage system on-site or surface water lagoon.	Only clean surface water shall be discharged from the site via the drainage system shown in drawing No. Sgl-LITH-LAY-0626-02. Any surface water directed to the lagoon shall only be discharged once it has been tested to confirm that no contamination is present. Water from the lagoon forms parts of the fire prevention measures. Any contaminated water shall only be tankered off for treatment elsewhere and shall not be allowed to escape the confines of the lagoon.
AR12	Medium Combustion Plant with appropriate abatement fitted	Use of diesel generator (less than 1.0 MWth generator) to provide electricity.	

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
AR13- Non-hazardous waste transfer station	Storage and treatment of non-hazardous waste before transfer off site. 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). D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced). 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 D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12 D14: Repackaging prior to submission to any of the operations numbered D1 to D13	From receipt, treatment and temporary storage of non-hazardous wastes before transfer off site for recovery or disposal. Treatment shall consist only of manual and mechanical sorting/separation and the repackaging of waste for onward recycling or disposal elsewhere. No more than 50 tonnes of waste shall be treated for disposal purposes. Storage of all wastes must be in-line with the most suitable BAT requirements. Storage of wastes shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system as shown on drawing No. Sgl-LITH-LAY-0626-02. No waste shall be stored for longer than 6 months. Waste types and quantity restricted to the non-hazardous wastes listed in table S2.3.
AR14 – non-hazardous treatment operation (Storage, shredding and sorting operation)	Storage and treatment of non-hazardous wastes for the purpose of recovery. Mechanical shredding, drying in a vacuum airflow, grinding, mechanical sorting, separation, sieving, screening and compaction using a press for onward recovery of non-hazardous materials generated from dry non-hazardous wastes from the Li battery manufacturing processes. R13: Storage of waste pending any of the operations numbered R1 to R12	Treatment consisting only of mechanical shredding, drying in a vacuum airflow, grinding, mechanical sorting, separation, sieving, screening and compaction using a press of non-hazardous waste into different components for recovery. Treatment shall only take place within the processing building on impermeable surface with sealed drainage as shown on drawing No. Sgl-LITH-LAY-0626-02. Treatment by shredding shall be no more than 84 tonnes per day in total for activities AR5, AR8 and AR14.

Table S1.1 activities		
	(excluding temporary storage pending collection, on the site where it is produced). 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	Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Wastes shall be stored either in appropriate containers outside or in the processing building on impermeable surface with sealed drainage as shown on drawing No. Sgl-LITH-LAY-0626-02. The maximum storage of waste within processing building shall not exceed 300m³. Waste types and quantity restricted to the non-hazardous wastes listed in table S2.2.
A15 – Open Windrow Composting	Storage and treatment of non-hazardous wastes for the purpose of recovery. Open windrow composting 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). R3: Recycling/reclamation of organic substances which are not used as solvents.	No waste treatment operations for open Windrow Composting shall be permitted on-site until the requirements set out in pre-op 2 have been submitted and approved by the Agency and all the necessary infrastructure changes and technical requirements have been implemented on-site. Treatment operations shall be limited to: • Biological treatment consisting only of aerobic composting including waste acceptance, sanitisation, stabilisation and maturation in open systems for the purpose of recovery (no more than 75 tonnes per day). • Physical treatment associated with the composting activity including shredding, sorting and screening for the purpose of recovery. The storage, physical treatment and composting of wastes shall be carried out on an impermeable surface with sealed drainage system. Waste types and quantity restricted to the non-hazardous wastes listed in table S2.4.
A16 – Full non-hazardous waste transfer station	Storage and treatment of non-hazardous wastes for the purpose of recovery. Transfer of non-hazardous waste 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). D15: Storage pending any of the operations numbered D1 to D14	Full transfer operations shall not be permitted on-site until the requirements set out in pre-op 3 have been submitted and approved by the Agency and all the necessary infrastructure changes and technical requirements have been implemented on-site. Treatment shall consist only of manual and mechanical sorting/separation, screening, crushing, bailing, shredding and the repackaging of non-hazardous waste for disposal (no more than 50 tonnes per day), or recovery.

Table S1.1 activities		
	(excluding temporary storage, pending collection, on the site where it is produced). 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. D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12 D14: Repackaging prior to submission to any of the operations numbered D1 to D13	No more than 50 tonnes of waste shall be treated for disposal purposes. Manual sorting only of batteries or WEEE for recovery No more than 50 tonnes of intact waste vehicle tyres (waste code 16 01 03) shall be stored at the site at any one time. All bulking, transfer or treatment shall take place on an impermeable surface with sealed drainage. Waste types and quantity restricted to the non-hazardous wastes listed in table S2.5

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application documents	EP3 Non-technical summary	17/7/2025
	1.9 BATOT Assessment July 2025	
	1.5 Business Continuity & Contingency Plan June 2025	
	1.3 Environmental Risk Assessment June 2025	
	1.2 Operations and Emissions Management Plan June 2025	
Additional Information	1.7 Fire Prevention Plan (May 2026) containing a revised site layout plan ref Sgl-LITH-LAY-0626-02	02/06/2026

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall submit a written report to the Environment Agency for technical assessment and approval. The report must contain: - Results of monitoring from emission points 1 and 2, as shown on drawing No. Sgl-LITH-LAY-0626-02, of the parameters assessed within the H1 submitted with the application and any other parameters detected to verify the assumptions made within the H1. The results shall be taken from a minimum of three rounds of monitoring. Additional parameters to assess for shall include the following groups: - Dioxin-like Polychlorinated biphenyls (PCBs) - Dioxins and Furans (PCDD/F) - Brominated flame retardants (BFRs) - Metals and metalloids excluding mercury (including Li, As, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Ti, V) - PFAS compounds (monitoring purposes only) - A revised H1 using the results of the monitoring where the actual emissions are higher than those in the original H1. - Detailed air dispersion modelling where the emissions do not screen out within the revised H1. - Measures to be taken to reduce or abate emissions where detailed modelling does not screen out emissions. - The Operator shall implement any improvement measures and applicable limits identified within the report in line with a timetable agreed in writing with the Environment Agency.	9 months from end of commissioning or as otherwise agreed

Table S1.4: Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
1	Li battery and other waste shredding and processing activities under AR1, AR5, AR8 and AR14.	Prior to use of the new Li battery/other waste processing plant the operator shall submit a commissioning plan/report for approval by the environment

Table S1.4: Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
	(chargeable pre-operational condition)	agency. The commissioning plan/report must include the following - Detailed information on the design and construction specifications of any new building, impermeable surface, sealed drainage and containment systems that will be required for the commissioning to commence. It shall take into account the appropriate measures specified in waste battery treatment appropriate measures for permitted facilities guidance, Control and monitor emissions for your environmental permit guidance and CIRIA Report C736. - Confirmation that all existing building, impermeable surface, sealed drainage and containment systems infrastructure will meet the requirements/specification detailed in the waste battery treatment appropriate measures document and CIRIA Report C736 to allow commissioning to commence. - The plan must contain timescales for implementation of the individual measures and a provision for the construction to be certified by a suitably qualified independent engineer. - Confirmation and details of monitoring systems, audits and emergency procedures are in place on site to ensure all activities and appropriate control systems are in place to allow the commissioning of the treatment plant to take place. Once approved the operator must implement the proposals in the plan/report in line with the timescales agreed with the Environment Agency's written approval.
2	Open window composting – Activity reference AR15 and associated waste types detailed in table S2.4. (chargeable pre-operational condition)	Prior to the acceptance of any waste for composting and the commencement of any open window composting operations the operator shall submit a written report to the Environment Agency

Table S1.4: Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
		for technical assessment and approval with the following: • A full suite of technical documents, including any required management plans, and plans/process flow diagrams to demonstrate how this operation will meet all the appropriate measures guidance for open windrow composting. • How this operation will interact with the other operations/activities on-site. • A H1 assessment/detailed modelling (required only if operational at the same time as the battery transfer/treatment operation) looking at the potential impact of emissions from the composting process, together with any measures to reduce or abate emissions where detailed modelling does not screen out such emissions. This will be applicable both to emissions to air and water. Once approved the operator must implement the proposals in the report in line with the timescales agreed with the Environment Agency's written approval.
3	Full waste transfer station Activity reference AR16 and associated waste types detailed in table S2.5. (chargeable pre-operational condition)	Prior to the re-commencement of a full non-hazardous waste transfer and acceptance of any waste detailed in table S2.5 the operator shall submit a written report to the Environment Agency for technical assessment and approval with the following: • A full suite of technical documents, including any required management plans, and plans/process flow diagrams to demonstrate how this operation will meet all the appropriate measures guidance for a non-hazardous waste transfer station. • How this operation will interact with the other operations/activities on-site. Once approved the operator must implement the proposals in the report in line with the timescales agreed with the Environment Agency's written approval.

Schedule 2 – Waste types, raw materials, and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Diesel	-
Water	-
oil	-

Table S2.2 Permitted waste types and quantities for activities AR5, AR6, AR7, AR8 and AR14	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
Waste code	Description
06	WASTE FROM INORGANIC CHEMICAL PROCESSES
06 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 15*	metallic oxides containing heavy metals (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
06 03 16	metallic oxides other than those mentioned in 06 03 15 (Code is used in EU for dry materials - Anode/Cathode Foils & Dry Cells)
06 03 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 05*	wastes containing other heavy metals (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
06 04 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 98*	other wastes containing hazardous substances (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
11 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
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 03	non-ferrous metal filings and turnings (Code is used for mixed Cu/Al foils with small polymer contamination)
12 01 04	non-ferrous metal dust and particles (Code is used sometimes for Cathode/Anode Foils. No Waste consisting of solely loose powder and dust)

Table S2.2 Permitted waste types and quantities for activities AR5, AR6, AR7, AR8 and AR14	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
12 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
16	Wastes not otherwise specified in the list
16 01	End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 18	non-ferrous metal (Code is used for AI Chips)
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 (limited to li-ion packs, modules, cells, dry cells, anode foils, cathode foils)
16 01 22	Components not otherwise specified (limited to lithium-ion Batteries or component parts)
16 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
16 03	Off-specification batches and unused products
16 03 03*	Inorganic wastes containing hazardous substances (limited to li-ion packs, modules, cells, drycells, anode foils, cathode foils)
16 03 04	Inorganic wastes other than those mentioned in 16 03 03 (limited to li-ion packs, modules, cells, dry cells, anode foils, cathode foils)
16 06	Batteries and accumulators
16 06 05	Other batteries and accumulators (Limited to Lithium-ion Batteries or components parts)
16 09	oxidising substances
16 09 04*	oxidising substances, not otherwise specified (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
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 18	pyrolysis wastes other than those mentioned in 19 01 17 (Limited to Lithium-Ion Batteries or component parts which have been thermally treated)
19 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 11	other wastes containing dangerous substances
19 02 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
19 10	Wastes from shredding of metal-containing wastes
19 10 02	non-ferrous waste
19 10 03*	fluff-light fraction and dust containing hazardous substances (code used for battery shred)

Table S2.2 Permitted waste types and quantities for activities AR5, AR6, AR7, AR8 and AR14	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
19 10 05*	Other fractions containing dangerous substances (code used as battery shred)
19 10 06	Other fractions other than those mentioned in 19 10 05 (code used as battery shred)
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal (Limited to Lithium-Ion Batteries or component parts)
19 12 03	non-ferrous metal (Limited to Lithium-Ion Batteries or component parts)
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances (code used as battery shred)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (code used as battery shred)
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 33*	Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries (limited to lithium-ion Batteries or components parts)
20 01 34	batteries and accumulators other than those mentioned in 20 01 33 (includes Li batteries)
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (limited to equipment containing Lithium-ion Batteries or components parts)
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 (limited to equipment containing Lithium-ion Batteries or components parts)
20 01 99	other fractions not otherwise specified (Limited to Lithium-Ion Batteries or component parts)

Table S2.3 Permitted waste types and quantities for activities AR2, AR3, AR4 and AR13	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
Waste code	Description
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 15*	metallic oxides containing heavy metals (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
06 03 16	metallic oxides other than those mentioned in 06 03 15 (Code is used in EU for dry materials - Anode/Cathode Foils & Dry Cells)
06 03 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 05*	wastes containing other heavy metals (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
06 04 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
06 13	wastes from inorganic chemical processes not otherwise specified
06 13 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS, NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 98*	other wastes containing hazardous substances (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
11 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
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 03	non-ferrous metal filings and turnings (Code is used for mixed Cu/Al foils with small polymer contamination)
12 01 04	non-ferrous metal dust and particles (Code is used sometimes for Cathode/Anode Foils. No Waste consisting of solely loose powder and dust)
12 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
16	Wastes not otherwise specified in the list
16 01	End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 18	non-ferrous metal (Code is used for Al Chips)
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 (limited to li-ion packs, modules, cells, dry cells, anode foils, cathode foils)

Table S2.3 Permitted waste types and quantities for activities AR2, AR3, AR4 and AR13	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
16 01 22	Components not otherwise specified (limited to lithium-ion Batteries or component parts)
16 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
16 03	Off-specification batches and unused products
16 03 03*	Inorganic wastes containing hazardous substances (limited to li-ion packs, modules, cells, dry cells, anode foils, cathode foils)
16 03 04	Inorganic wastes other than those mentioned in 16 03 03 (limited to li-ion packs, modules, cells, dry cells, anode foils, cathode foils)
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 (including Li batteries)
16 09	oxidising substances
16 09 04*	oxidising substances, not otherwise specified (Code is used by battery manufacturers in EU for Li-Ion Packs, Modules, Cells, Dry Cells, Anode Foils, Cathode Foils)
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 18	pyrolysis wastes other than those mentioned in 19 01 17 (Limited to Lithium-Ion Batteries or component parts which have been thermally treated)
19 01 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 11*	other wastes containing dangerous substances
19 02 99	wastes not otherwise specified (Limited to Lithium-Ion Batteries or component parts)
19 10	Wastes from shredding of metal-containing wastes
19 10 03*	fluff-light fraction and dust containing hazardous substances (code used for battery shred)
19 10 05*	Other fractions containing dangerous substances (code used as battery shred)
19 10 06	Other fractions other than those mentioned in 19 10 05 (code used as battery shred)
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

Table S2.3 Permitted waste types and quantities for activities AR2, AR3, AR4 and AR13	
Maximum quantity	The total waste accepted at site for all activities will not exceed 22,000 tonnes per year, unless amended as part of pre-operational conditions PO2 and/or PO3.
19 12 02	ferrous metal (Limited to Lithium-Ion Batteries or component parts)
19 12 03	non-ferrous metal (Limited to Lithium-Ion Batteries or component parts)
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances (code used as battery shred)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (code used as battery shred)
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 wastes
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33 (includes Li batteries)
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (limited to equipment containing Lithium-ion Batteries or components parts)
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 (limited to equipment containing Lithium-ion Batteries or components parts)
20 01 99	other fractions not otherwise specified (Limited to Lithium-Ion Batteries or component parts)

Table S2.4 Permitted waste types and quantities for open windrow composting AR15	
Maximum quantity	The total waste accepted at site for this composting activity will not exceed 18,500 tonnes per year. Please note: Wastes can only be accepted once pre-operational condition no. 2 has been approved by the agency and all necessary infrastructure and technical requirements have been implemented on-site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • pest infested waste; • non-biodegradable waste other than incidental contamination; • separately collected loads of plastic unless the whole load is certified compostable to BS EN13432; • wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres; • catering waste and other waste containing Animal By-Products covered by the Animal By-Product Regulations (except waste code 02 01 06 below) • wastes containing wood-preserving agents or other biocides and post-consumer wood; • wastes containing persistent organic pollutants; • wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Alien Species (Enforcement and Permitting) Order 2019 (formerly the EU Invasive Alien Species legislation); • manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013; • hazardous waste;
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled fully biodegradable bedding)
02 01 07	wastes from forestry
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 04	materials unsuitable for consumption or processing
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork – virgin timber only
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood – virgin timber only
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)

Table S2.4 Permitted waste types and quantities for open windrow composting AR15	
Maximum quantity	The total waste accepted at site for this composting activity will not exceed 18,500 tonnes per year. Please note: Wastes can only be accepted once pre-operational condition no. 2 has been approved by the agency and all necessary infrastructure and technical requirements have been implemented on-site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • pest infested waste; • non-biodegradable waste other than incidental contamination; • separately collected loads of plastic unless the whole load is certified compostable to BS EN13432; • wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres; • catering waste and other waste containing Animal By-Products covered by the Animal By-Product Regulations (except waste code 02 01 06 below) • wastes containing wood-preserving agents or other biocides and post-consumer wood; • wastes containing persistent organic pollutants; • wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Alien Species (Enforcement and Permitting) Order 2019 (formerly the EU Invasive Alien Species legislation); • manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013; • hazardous waste;
Waste code	Description
15 01 01	paper and cardboard packaging (excluding veneers, plastic coatings or laminates) certified to EN 13432 or equivalent standard – compostable packaging only
15 01 03	wooden packaging – virgin timber only
17	construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soils (excluding excavated soils from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil other than those mentioned in 17 07 05 (from inland waters only)
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 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost from a composting process that accepts waste types listed in this table, made up of previously sanitised and stabilised batches only
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 01	paper and cardboard (excluding veneers, plastic coatings or laminates) meeting EN 13432 or equivalent certified standard - compostable packaging only
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste (plant matter only)
20 03	other municipal wastes

Table S2.4 Permitted waste types and quantities for open windrow composting AR15	
Maximum quantity	The total waste accepted at site for this composting activity will not exceed 18,500 tonnes per year. Please note: Wastes can only be accepted once pre-operational condition no. 2 has been approved by the agency and all necessary infrastructure and technical requirements have been implemented on-site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • pest infested waste; • non-biodegradable waste other than incidental contamination; • separately collected loads of plastic unless the whole load is certified compostable to BS EN13432; • wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres; • catering waste and other waste containing Animal By-Products covered by the Animal By-Product Regulations (except waste code 02 01 06 below) • wastes containing wood-preserving agents or other biocides and post-consumer wood; • wastes containing persistent organic pollutants; • wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Alien Species (Enforcement and Permitting) Order 2019 (formerly the EU Invasive Alien Species legislation); • manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013; • hazardous waste;
Waste code	Description
20 03 02	waste from markets (biodegradable only)

Table S2.5 Permitted waste types and quantities for the non-hazardous waste treatment and transfer facility AR16	
Maximum quantity	The total waste accepted at site for this activity (transfer station) will not exceed 56,499 tonnes per year. Please note: These wastes can only be accepted once pre-operational condition no. 3 has been approved by the agency and all necessary infrastructure and technical requirements have been implemented on-site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Consisting solely or mainly of dusts, powders or loose fibres • Hazardous wastes
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 03	materials unsuitable for consumption or processing
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 04	materials unsuitable for consumption or processing
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing

02 06 02	wastes from preserving agents
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
04	Wastes from the leather, fur and textile industries
04 01	wastes from the leather and fur industry
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
06	Wastes from inorganic chemical processes
06 09	wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
07	Wastes from organic chemical processes
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
09	Wastes from the photographic industry
09 01	wastes from the photographic industry
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	sands from fluidised beds

10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	wastes from lead thermal metallurgy
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15

10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash

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 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
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 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03	end-of-life tyres
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
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	gases in pressure containers and discarded chemicals
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
16 06	batteries and accumulators
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05

17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
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
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, diapers)
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 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes

19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
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 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
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 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

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	Monitoring standard or method
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Total Particulate Matter (Dust)	5 mg/m ³	Hourly average	6 monthly	BS EN 13284-1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Total Particulate Matter (Dust)	5 mg/m ³	Hourly average	6 monthly	BS EN 13284-1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Total VOCs	30mg/m ³ or as agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Ni, Cd	No Limit or as agreed in line with IC1	As agreed in line with IC1	Yearly or as agreed in line with IC1	EN 14385 or as agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Li, As, Co, Cr, Cu, Mn, Pb, Sb, Se, Ti, V	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	SO ₂	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	HCl	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1

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	Monitoring standard or method
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	HF	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Brominated flame retardants	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Dioxin-like PCBs	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	PCDD/F	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 1 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	PFAS compounds	No limit	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Total VOCs	30mg/m3 or as agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Ni, Cd	No Limit or as agreed in line with IC1	As agreed in line with IC1	Yearly or as agreed in line with IC1	EN 14385 or as agreed in line with IC1
Emission Point 2 shown on	Emission Stack	Li, As, Co, Cr, Cu, Mn,	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1

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	Monitoring standard or method
drawing No. Sgl-LITH-LAY-0626-02.		Pb, Sb, Se, Ti, V				
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	SO ₂	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	HCl	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	HF	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Brominated flame retardants	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	Dioxin-like PCBs	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	PCDD/F	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1
Emission Point 2 shown on drawing No. Sgl-LITH-LAY-0626-02.	Emission Stack	PFAS compounds	No limit	As agreed in line with IC1	As agreed in line with IC1	As agreed in line with IC1

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	Monitoring standard or method
MCP emission point 3 as shown on drawing No. Sgl-LITH-LAY-0626-02.		None	None	-	-	-

Note 1: Concentrations are defined at a temperature of 27.3.15K, a pressure of 101.3kPa at 17% O2 with no correction for water vapour.

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	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
'Discharge point' as shown on drawing No. Sgl-LITH-DRN-0625-01	Uncontaminated rainwater/surface water only	No parameters set	No limit set	-	-	-

Table S3.3 In process monitoring requirements				
Emission point ref. or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Wet Scrubber (if present)	Gas flow rate – differential pressure	Continuous	Gas flow meter / EN 16911-1 and MID for EN 16911-1	
	pH scrubber solution	Continuous	pH meter	
	Conductivity	Daily	Conductivity meter	
Carbon Filter (if present)	Carbon bed temperature – bed temperature only	Continuous	Temperature probe	
	Gas flow rate – differential pressure	Continuous	Gas flow meter	
	Pressure	Weekly	Recognised industry method	
Bag filter	Pressure	Weekly	Recognised industry method	

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
Point source emissions to air Parameters as required by condition 3.5.1	Emissions points as shown on drawing No. Sgl-LITH-LAY-0626-02 and Sgl-LITH-DRN-0625-01	Every 6 months or as agreed in line with pre-operation condition 1	1 January, 1 July

Table S4.2 Annual production/treatment	
Parameter	Units
Black mass	Kgs/tonnes
Paper and plastic	Kgs
Metals	Kgs

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes/m ³
Diesel usage	Annually	Litres/m ³
Energy usage	Annually	MWh
Other performance parameters	Annually	tonnes per production unit

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Process monitoring	Process Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Waste returns	E-Waste Return Form	-

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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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 or background concentration 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.

“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 waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“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.

“pests” means birds, vermin and insects.

“pollution” includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

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

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

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

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

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes 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.

“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.

When the following terms appear in the waste code list in Schedule 2, tables S2.2, S2.3, S2.4, S2.5 and S2.6 for those tables, they have the meaning given below:

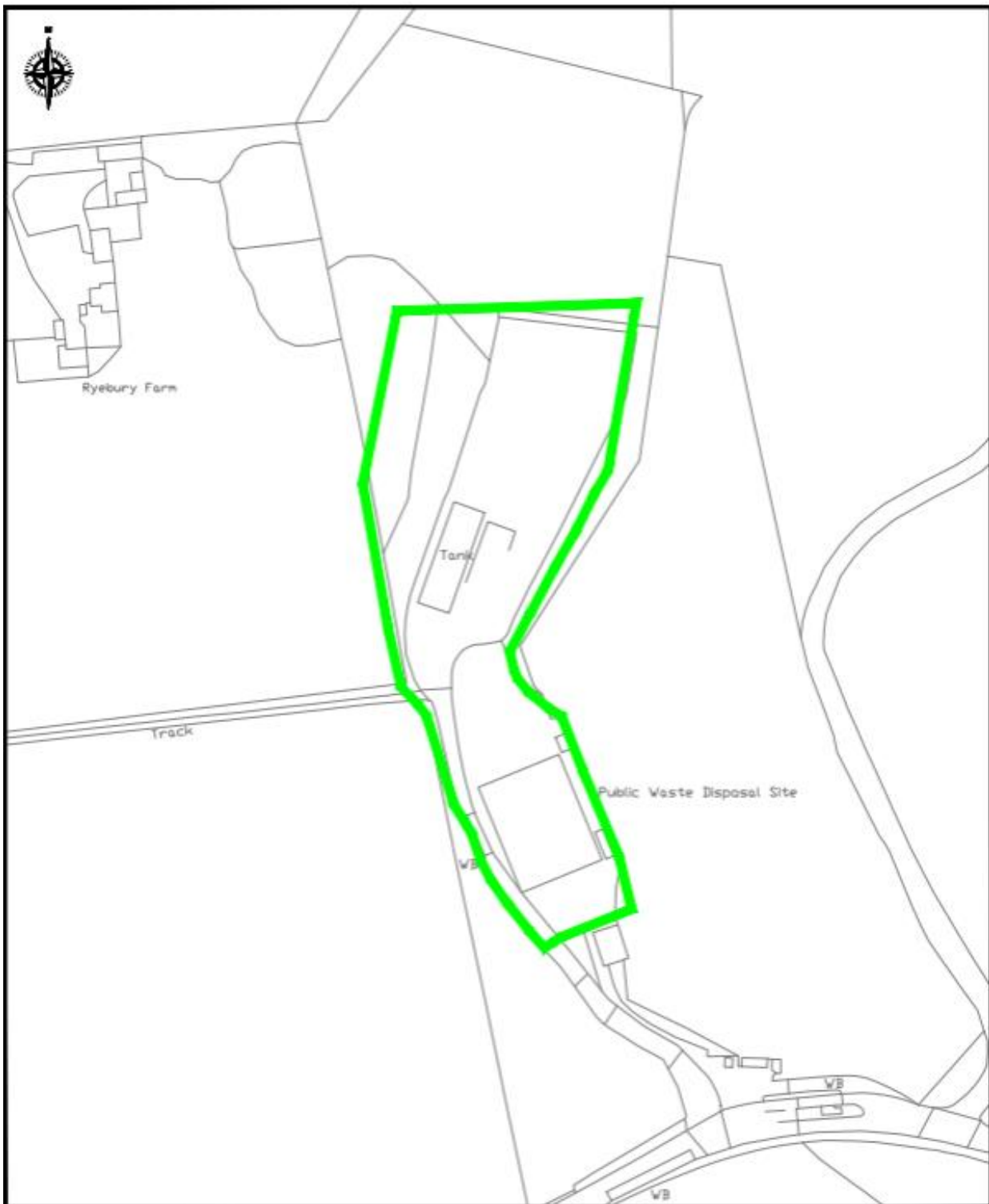
“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“PCBs” means.

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromodiphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0.005% by weight.

“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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