

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

NRS Meriden Aggregates Ltd
Cornets End Recycling Facility
Cornets End Lane
Meriden
Solihull
CV7 7LH

Variation application number

EPR/HB3802HF/V003

Permit number

EPR/HB3802HF

Cornets End Recycling Facility

Permit number EPR/HB3802HF

Introductory note

This introductory note does not form a part of the notice

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

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

This variation is to:

- Add a treatment activity to the waste operation comprising washing of non-hazardous waste;
- Add non-hazardous waste codes to the waste operation;
- Remove the site-specific limits specified in schedule 4 of the permit;
- Add an installation activity for the treatment of hazardous waste by physico-chemical treatment including hand-picking, screening and washing;
- Increase the permitted boundary; and
- Consolidate and update the permit to modern conditions.

The site is located approximately 1.3km south-west of Meriden, Solihull at the National Grid reference SP 22909 81064.. It is situated in a predominantly rural location in an area that was previously used for mineral extraction and processing. The site is bounded to the south and east by agricultural land and by mineral working and processing and other waste management facilities on the other boundaries.

Installation activities

The treatment and storage of hazardous waste is an installation in accordance with schedule 1, sections 5.3 Part A(1)(a)(vi) and 5.6 Part A(1)(a) of the Environmental Permitting (England & Wales) Regulations 2016. Hazardous wastes accepted at the are treated by screening, hand-picking of asbestos and/or by washing. Any hazardous wastes accepted that cannot be treated will be transferred off site. The permitted activities are as follows:

Hazardous waste screening

Wastes will be screened into different size fractions. Each fraction will be tested to determine if the waste is hazardous or non-hazardous. Waste that is hazardous will be further treated by washing and the non-hazardous wastes will be crushed, screened and/or washed to produce aggregate under the waste permit.

Asbestos picking

Hazardous waste containing bonded asbestos will be hand-picked from an enclosed conveyor with water spray to prevent fibre releases. The pieces of removed asbestos will be double bagged and stored in a locked container prior to removal from the site for disposal. The remaining waste will be tested for fibre content and treated as non-hazardous waste where testing indicates fibre content is below the threshold. If the asbestos containing waste has other hazardous properties, the waste will first be treated by hand-picking of asbestos and then further treated by screening and/or washing where asbestos fibres are not present above the threshold. If the content of asbestos fibres is above 0.1% following hand-picking, the waste will be disposed of at a suitable landfill.

Hazardous waste washing

Hazardous waste that does not require screening, the hazardous fractions following screening and wastes with asbestos removed will be washed to separate hazardous fractions. Water used for the washing will be

recirculated following treatment and filtered to remove the fines which are then pressed. The pressed filter cake will be tested and then disposed of at a suitable facility. The washed fractions will be tested and if they are non-hazardous, the wastes will be crushed and screened to produce aggregate.

Waste operation activities

Non-hazardous wastes are accepted for treatment by hand-picking, separation, screening, washing and blending to produce aggregate. Washing takes place in the same plant as that for hazardous waste as a batch process so that hazardous and non-hazardous wastes are not mixed.

All hazardous waste treatment and storage will be carried out on an impermeable surface with a sealed drainage system. The area is enclosed by a kerb. The asbestos picking area will be enclosed and the waste will be sprayed with water to prevent release of fibres.

Non-hazardous waste is treated and stored in the same area with hazardous waste and will be kept separate from the hazardous wastes all through the treatment and storage processes.

Drainage from the northern part of the site where waste is processed will be collected in an interceptor. The drainage water will be transferred to the water treatment plant where it will be treated and re-used in the wash plant. Any excess water in the reservoir will be tankered off-site for disposal. Surface water run-off from the southern part of the site drains to a settlement pond via an oil interceptor and silt trap prior to discharges to an un-named stream.

There are no point source emissions to air. Dust is managed by spraying stockpiles with water in dry conditions to prevent wind-blown dust.

There is a local wildlife site and the River Blythe Site of Special Scientific Interest within 2km of the site.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Original License EAWML 42811 determined	16/12/1998	
Modification notice determined	04/12/2003	Area initiated variation of permit.
Permit determined EPR/BP3996LK	19/01/2009	Variation to increase permitted site boundary. (EPR permit number issued)
Application EPR/HB3008GX/T001 (full transfer of permit EPR/BP3996LK)	Duly made 22/01/2019	Application to transfer the permit in full to N.R.S Waste Management Services Limited.
Transfer determined	07/02/2019	Full transfer of permit complete to N.R.S Waste Management Services Limited.
Transfer determined	06/08/2020	Full transfer of permit complete to NRS Meriden Aggregates Ltd.
Application EPR/HB3802HF/V002 (variation)	Duly made 03/03/2021	Application to vary the permit
Additional information received	13/06/2021	Waste Acceptance Procedure (also containing revised list of waste codes)
Variation determined EPR/HB3802HF/V002	13/08/2021	Notice of variation issued

Status log of the permit		
Description	Date	Comments
Application EPR/HB3802HF/V003 (variation and consolidation)	Duly made 03/08/2022	Application to add installation activity for treatment of hazardous waste, increase the permitted boundary, add non-hazardous waste washing to waste operation and update the permit to modern conditions.
Additional information	10/10/2022	Response to schedule 5 notice regarding treatment activities, wastes, dust and noise management plans and site layout and drainage plans.
Additional information	11/11/2022	Clarification of management procedures for site drainage, wash water and waste types.
Additional information	10/01/2023	Revised Process Flow Diagram
Variation determined and consolidation issued EPR/HB3802HF/V003 (Installation billing ref: LP3904MX; Waste billing ref: EAWML 42811)	10/01/2023	Varied and consolidated permit issued in modern format

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/HB3802HF

Issued to

NRS Meriden Aggregates Ltd (“the operator”)

whose registered office is

NRS House Site 7

Meriden Park

Cornets End Lane

Meriden

Solihull

CV7 7LH

company registration number 11911715

to operate regulated facilities at

Cornets End Recycling Facility

Cornets End Lane

Meriden

Solihull

CV7 7LH

to the extent set out in the schedules.

The notice shall take effect from 10/01/2023.

Name	Date
Peter Maksymiw	10/01/2023

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/HB3802HF

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HB3802HF/V003 authorising,

NRS Meriden Aggregates Ltd (“the operator”),

whose registered office is

NRS House Site 7

Meriden Park

Cornets End Lane

Meriden

Solihull

CV7 7LH

company registration number 11911715

to operate an installation and waste operations at

Cornets End Recycling Facility

Cornets End Lane

Meriden

Solihull

CV7 7LH

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

Name	Date
Peter Maksymiw	10/01/2023

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1, AR1 to AR7, 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 AR7, 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 For the following activities referenced in schedule 1, table S1.1, AR1 to AR7, 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 Any raw materials or fuels listed in schedule 2, table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 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
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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

- 2.3.7 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.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 For the following activities referenced in schedule 1, table S1.1, AR1 to AR7, 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;
 - (b) ambient air monitoring specified in table S3.2; and
 - (c) 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.

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 AR7, 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.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

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

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	S5.3 A1(a)(vi) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds.	Asbestos removal R5 Recycling/reclamation of other inorganic materials	From receipt of waste through to storage of treated waste. Treatment in a dedicated enclosed and abated picking line. Asbestos removed from the waste shall: <ul style="list-style-type: none"> • Be double-bagged and stored in a sealed locked container. • not be transferred between different bulk containers, which shall be locked when not being loaded and shall not be stacked. <p>All treatment and storage shall take place on an impermeable surface with a sealed drainage system. Hazardous waste types and quantities as specified in Table S2.2.</p>
AR2	S5.3 A1(a)(vi) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds.	Screening of hazardous waste R5 Recycling/reclamation of other inorganic materials	From receipt of waste, including treated waste from Activity AR1, through to storage of treated waste in different size fractions. Treatment shall take place on an impermeable surface with a sealed drainage system as shown on indicative Site Layout Plan reference 21/001c 003 V2. Waste containing asbestos shall not be screened. Hazardous waste types and quantities as specified in Table S2.3.
AR3	S5.3 A1(a)(vi) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds.	Soil washing of hazardous waste R5 Recycling/reclamation of other inorganic materials	From receipt of waste, including from Activity AR2 through to storage of treated waste, including treatment of water from the wash plant and from the interceptor and return of clean water to the wash plant. Storage of filter cake prior to disposal off-site. All treatment and storage shall take place on an impermeable surface with a sealed drainage system.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			Hazardous waste types and quantities as specified in Table S2.3.
AR4	S5.6 A1(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	R13 Storage of waste pending any of the operations R1 to R12	From receipt of waste through to submission for treatment. All storage shall take place on an impermeable surface with a sealed drainage system as shown on indicative Site Layout Plan reference 21/001c 003 V2. Asbestos shall be stored in a locked container. Hazardous waste shall not be stored for more than 6 months. Hazardous waste types and quantities as specified in Tables S2.2 and S2.3. The combined total of non-hazardous waste and hazardous waste stored shall not exceed 80,000 tonnes.
Directly Associated Activity			
AR5		Surface water management	From collection and storage of site run-off from the northern area of the site in an interceptor, to treatment in the water treatment plant for use in the wash plant (activity AR3) and/or removal from the site. From collection of uncontaminated site run-off from the southern area to storage in the settlement pond via an oil interceptor and silt trap, to discharge to the stream at emission point 1 as shown on indicative Site Layout Plan reference 21/001c 003 V2. Drainage infrastructure is as shown on indicative Drainage Plan Drawing number 21/001f 001.
AR6	-	Storage of raw materials including fuel	From the receipt of raw materials and fuel through to their use within the facility.
AR7	-	Storage of hazardous waste prior to disposal off-site. D15 Storage of waste pending any of the operations D1 to D14	Storage of treated waste. No more than 10 m ³ of asbestos shall be stored at any one time.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
Activity reference	Description of activities for waste operations		Limits of activities
AR8	R5: Recycling/reclamation of other inorganic compounds R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)		Physical treatment including hand-picking, screening, crushing and blending for the purpose of recovery. Treatment of non-hazardous waste in a soil washing plant. Non-hazardous waste types as specified in Table S2.4. The combined total of non-hazardous waste and hazardous waste stored shall not exceed 80,000 tonnes.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/HB3802HF/V003	<ul style="list-style-type: none"> Response to question 3a of the Part C3 application form. Hazardous Waste Treatment Permit Boundary Plan, reference 21/011 004. 	27/07/2022
	<ul style="list-style-type: none"> BAT Assessment Report for Hazardous Waste Treatment Operations. Waste Pre-acceptance Procedure. Waste Rejection Procedure. Waste Storage and Handling Procedure. 	01/08/2022
Response to schedule 5 notice dated 08/09/2022	<ul style="list-style-type: none"> Indicative Site Layout Plan, reference 21/011c 003 V2. Indicative Drainage Plan, drawing number 21/001f 001. Hazardous Waste Acceptance Procedure. Noise Management Plan. 	10/10/2022
Response to request for information dated 27/10/2022	<ul style="list-style-type: none"> Technical summary, excluding paragraph 5.17. Water Treatment Process Flow Diagram. 	11/11/2022
Additional information	<ul style="list-style-type: none"> Hazardous Waste Treatment Process Flow. 	10/01/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall submit in writing to the Environment Agency for approval a report that shall include, but not be limited to, the following: <ul style="list-style-type: none"> The results of testing of the surface water drainage from the northern area of the site from a minimum of three samples taken on at least three separate occasions to determine if the water is hazardous. Proposals to prevent the mixing of hazardous surface water drainage with non-hazardous wash water in the water treatment plant, where the site drainage is determined to be hazardous, 	30/09/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>including alternative arrangements for the treatment or removal of surface water drainage.</p> <p>Where the site drainage is determined to be hazardous, it shall not be mixed with the non-hazardous wash water in the water treatment plant and alternative arrangements for managing surface drainage shall be submitted.</p>	

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PO1	Commencement of activities AR1 to AR6 as detailed in table S1.1	The operator shall submit plans showing the final layout of the site infrastructure and drainage (as-built plans) to replace Indicative Site Layout Plan, reference 21/011c 003 V2 and Indicative Drainage Plan, drawing number 21/001f 001.
PO2	Commencement of activity AR1 as detailed in table S1.1	<p>The operator shall submit a revised Dust Management Plan in writing to the Environment Agency for approval that includes proposals for the monitoring of asbestos fibres in air at the site boundary. The Plan shall be updated to include:</p> <ul style="list-style-type: none"> • A drawing showing the location of the proposed monitoring points which shall be up and down wind of the treatment area; and • A monitoring methodology to the standards and frequency specified in schedule 3, table S3.2.
PO3	Acceptance of utility waste from emergency repairs following withdrawal of RPS 211	<p>The operator shall submit proposals in writing to the Environment Agency for approval for the handling and storage of utility waste that is assumed to be hazardous which is generated as a result of emergency repairs work by the utility companies. The proposals shall include:</p> <ul style="list-style-type: none"> • Details of the storage of the waste so that it is isolated from other wastes accepted at the site, including the location of the area for isolated quarantine; • The maximum storage capacity and the maximum time the waste will be stored in the isolated quarantine; • Details of the sampling to be carried out to determine if the assumed hazardous waste is hazardous or non-hazardous.

Schedule 2 – Waste types, raw materials and fuels

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

Table S2.2 Permitted waste types and quantities for Activity AR1 – Asbestos removal	
Maximum quantity	Total quantity of waste accepted per year under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year, of which waste accepted under activity AR1 shall not exceed 30,000 tonnes per year.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Asbestos in unbound fibrous form (fibres must be <0.1% w/w)
Waste code	Description
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 06	insulation materials and asbestos-containing construction materials
17 06 01*	insulation materials containing asbestos – pieces/bonded asbestos only
17 06 05*	construction materials containing asbestos – pieces/bonded asbestos only

Table S2.3 Permitted waste types and quantities for Activities AR2, AR3 and AR4 – screening, washing and storage	
Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	HP1 Explosive Waste HP9 Infectious Waste HP12 Waste which will release acute toxic gas HP15 Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste.
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 05	drilling muds and other drilling wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
10	Wastes from thermal processes
10 09	wastes from casting of ferrous pieces
10 09 05*	casting cores and moulds which have not undergone pouring containing hazardous substances
10 09 07*	casting cores and moulds which have undergone pouring containing hazardous substances

Table S2.3 Permitted waste types and quantities for Activities AR2, AR3 and AR4 – screening, washing and storage

Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	HP1 Explosive Waste HP9 Infectious Waste HP12 Waste which will release acute toxic gas HP15 Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste.
Waste code	Description
10 09 11*	other particulates containing hazardous substances
10 09 13*	waste binders containing hazardous substances
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 12*	solid wastes from gas treatment containing hazardous substances
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances
17 05 05*	dredging spoil containing hazardous substances
17 05 07*	track ballast containing hazardous substances
17 06	insulation materials and asbestos-containing construction materials
17 06 03*	other insulation materials consisting of or containing hazardous substances
17 08	gypsum-based construction material
17 08 01*	gypsum-based construction materials contaminated with hazardous substances
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing hazardous substances
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

Table S2.3 Permitted waste types and quantities for Activities AR2, AR3 and AR4 – screening, washing and storage	
Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	<p>HP1 Explosive Waste</p> <p>HP9 Infectious Waste</p> <p>HP12 Waste which will release acute toxic gas</p> <p>HP15 Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste.</p>
Waste code	Description
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances – wastes from the treatment of construction and demolition waste only
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing hazardous substances

Table S2.4 Permitted waste types and quantities for Activity AR8	
Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	<p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • Hazardous wastes • Wastes in liquid form • Waste sludge • Biodegradable waste
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, DRESSING AND FURTHER TREATMENT OF MINERALS AND QUARRY
01 01	wastes from mineral extraction
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
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 clay
10	WASTES FROM THERMAL PROCESSES
10 01	
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 09	Waste 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 not undergone pouring other than those mentioned in 10 09 07
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)

Table S2.4 Permitted waste types and quantities for Activity AR8	
Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Hazardous wastes • Wastes in liquid form • Waste sludge • Biodegradable waste
Waste code	Description
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	Waste concrete and concrete sludge – solid wastes only
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 07	glass packaging
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 05 03
17 02	wood, glass and plastic
17 02 02	glass – clean only
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
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 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
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
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION / INDUSTRIAL WASTE
19 08	wastes from waste water treatment plants not otherwise specified
19 08 02	waste from desanding – washed sewage grit free from sewage and contamination only
19 12	Wastes from the mechanical treatment of wastes (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 05	glass – clean only
19 12 09	minerals (for example sand, stones)

Table S2.4 Permitted waste types and quantities for Activity AR8	
Maximum quantity	Total quantity of waste accepted under activities AR1 to AR4 and AR8, shall be no more than 300,000 tonnes per year
Exclusions	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Hazardous wastes • Wastes in liquid form • Waste sludge • Biodegradable waste
Waste code	Description
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 WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDING SEPERATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 02	glass – clean only
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Emission point 1 as shown on indicative Site Layout Plan reference 21/001c 003 V2	Uncontaminated surface water drainage from southern area	-	-	-	-	-

Location or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Monitoring locations in accordance with PO2 in table S1.4	Asbestos Fibres	0.01 fibres/ml Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	Monthly during receipt, handling and movement of asbestos contaminated wastes	In line with M17 monitoring guidance	<ul style="list-style-type: none"> • Pumped sampling • 1m above ground level • Flow rate = 8 litres/ minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2µm Asbestos fibre limit of detection = 0.001 fibres/ml

Monitoring Point Ref. /Description	Parameter	Limit	Monitoring Frequency	Monitoring Standard or Method	Other Specifications
Testing of treated hazardous wastes	Hazardous parameters	Determination of hazardous or non-hazardous	Following treatment	MCERTS Hand-held detector	Laboratory testing to validate on-site testing

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 water (other than sewer) Parameters as required by condition 3.5.1	Emission point 1	N/A	N/A
Ambient air monitoring Parameters as required by condition 3.5.1	Monitoring points are subject to the Pre-operational condition PO2	Every 3 months	1 January, 1 April, 1 July, 1 October

Table S4.2: Annual production/treatment	
Parameter	Units
Asbestos waste treated	tonnes
Hazardous waste soils treated	tonnes
Non-hazardous waste recovered	tonnes

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

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
Ambient air monitoring	Ambient Air Monitoring 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	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

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	
Measures taken, or intended to be taken, to stop the emission	

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

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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.

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

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

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

“RPS 211” means Environment Agency Regulatory Position Statement Excavated waste from utilities installation and repair: RPS211

“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 other than gas engines or gas turbines, 6% dry for solid fuels; and/or

- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous 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 “year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, tables S2.2 and S2.3, 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

‘heavy metal’ means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances

‘PCBs’ means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight

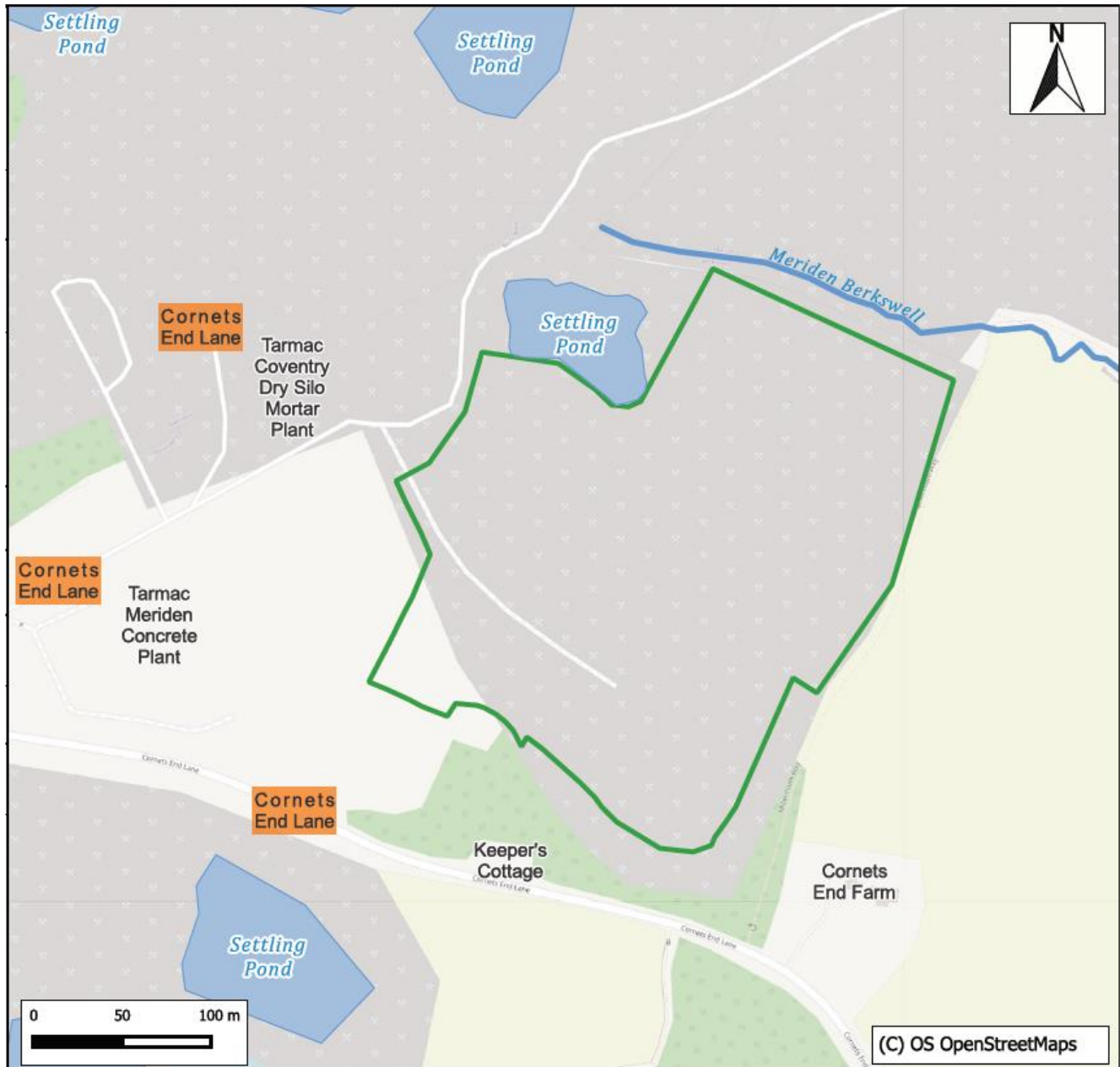
‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

‘stabilisation’ means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste

‘solidification’ means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste

‘partly stabilised wastes’ means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term

Schedule 7 – Site plan



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