Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

NRS Saredon Aggregates Limited

Saredon Hill Quarry
Great Saredon Road
Saredon
Staffordshire
WV10 7LL

Variation application number

EPR/FB3009GX/V004

Permit number

EPR/FB3009GX

Saredon Hill Quarry
Permit number EPR/FB3009GX

Introductory note

This introductory note does not form a part of the permit

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. Only the conditions of the permit have been varied and are subject to the right of appeal, as identified in schedule 1.

The main features of the permit are as follows.

Saredon Hill Quarry is an inert landfill accepting only inert wastes deposited for disposal. A total of 950,000 tonnes of inert materials per annum are permitted to be deposited at the site. The site totals an area of 27.6 hectares and the likely rate of infilling equates to an expected 20 year life span. After mineral extraction the extension area will be landfilled in multiple phases.

The permit does not include a restoration activity for the final layer of the landfill to allow the land to be returned to agricultural land and biodiversity habitat improvement. The operator is intending to use site won soils for the final restoration layer at the site.

The site is located north of Little Saredon, approximately 5 km south-west of Cannock town centre and immediately east of junction 11 of the M6. There are no recorded SSSI in close proximity to the site. The site is not within a source protection zone but is located on a principal aquifer.

This variation (V004) is to add a discrete waste recovery operation to the permit, which will include a physical treatment activity (for inert and non-hazardous wastes), and the use of a wash plant.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	**Date**	**Comments**
Permit Issued EPR/GB3632RR/A001	20/08/2012	Permit issued to NRS Waste Care Limited
Transfer determined EPR/FB3009GX (full transfer of permit EPR/GB3632RR)	02/10/2017	Full transfer and Environment Agency initiated variation of permit complete. To transfer the permit in full to N R S Aggregates Ltd.
Variation determined EPR/FB3009GX/V002	17/03/2020	Varied and consolidated permit issued.
Variation determined EPR/FB3009GX/V003	18/06/2021	Varied permit issued to NRS Saredon Aggregates Limited (name change: previous NRS Aggregates Ltd)
Application EPR/FB3009GX/V004 (variation and consolidation)	Duly made 15/10/2024	Application to add a waste operation (physical treatment and washing activity) to the permit.
Response to the Schedule 5 Notice dated 15/10/2024	31/10/2024	Response to Schedule 5 Notice, Saredon Wash Water Management Plan

Status log of the permit		
Description	**Date**	**Comments**
Variation determined EPR/FB3009GX/V004	05/11/2024	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/FB3009GX

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

NRS Saredon Aggregates Limited ("the operator"),

whose registered office is

Nrs House
Site 7, Meriden Park
Cornets End Lane
Meriden
CV7 7LG

company registration number **08516859**

to operate a waste operation at

Saredon Hill Quarry
Great Saredon Road
Saredon
Staffordshire
WV10 7LL

to the extent set out in the schedules.

The notice shall take effect from 05/11/2024.

Name	Date
Janet Robb	05/11/2024

Authorised on behalf of the Environment Agency.

Schedule 1 – changes in the permit

Note: The condition numbers used in this schedule refer to those in the consolidated permit.

The following have been varied by the consolidated permit as a result of the application made by the operator:

- Conditions:
    - 2.2 The site; and
    - 2.6 Waste acceptance.
- Schedule 1 – Operations:
    - Table S1.1 activities;
    - Table S1.2 Operating techniques; and
- Schedule 2 – List of permitted wastes Table S2.2; and
- Schedule 7 – Site plan.

Only these changes are subject to appeal.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document below.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/FB3009GX

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FB3009GX/V004 authorising,

NRS Saredon Aggregates Limited ("the operator"),

whose registered office is

Nrs House
Site 7, Meriden Park
Cornets End Lane
Meriden
CV7 7LG

company registration number 08516859

to operate a waste operation at

Saredon Hill Quarry
Great Saredon Road
Saredon
Staffordshire
WV10 7LL

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

Name	Date
Janet Robb	05/11/2024

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 Finance

1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 02/10/2017 as varied most recently on 17/03/2020 shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Environment Agency.

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

1.3.1 The operator shall:

(a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;

(b) review and record at least every four years whether changes to those measures should be made; and

(c) 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”).

2.2 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. EPR/FB3009GX/V004 activity, this permit, Site plan 3, yellow area.

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.

2.4 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 Landfill Engineering

(a) No construction of any new cell or development area shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.The operator shall review the construction proposals every 12 months.

2.5.2 The construction of a new cell or development area shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.3 The operator shall submit a CQA Validation Report to the Environment Agency within 4 weeks following the construction of the new cell.

2.5.4 No disposal of waste shall take place in a new cell or development area until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.5.5 No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.5.6 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.7 The operator shall submit a CQA Validation Report within 4 weeks of the completion of the landfill infrastructure.

2.5.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.5.1 and 2.5.5 do not apply and the relevant landfill infrastructure may be constructed,

provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

2.5.9 For the purposes of conditions 2.5.1, 2.5.4 and 2.5.5 the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.5.10 Where the Environment Agency has required further information under condition 2.5.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.6 Waste acceptance

2.6.1 Wastes shall only be accepted for disposal if:

(a) they are listed in schedule 2, table S2.1 (A1); and

(b) they are inert waste; and

(c) they are not liquid waste (including waste waters but excluding sludge); and

(d) all the relevant waste acceptance procedures have been completed; and

(e) they fulfil the relevant waste acceptance criteria; and

(f) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria; and

(g) they are wastes which have been treated, except for wastes for which treatment is not technically feasible.

2.6.2 For the following activities referenced in schedule 1, table S1.1 (A2) waste shall only be accepted for treatment if:

(a) it is of a type and quantity listed in schedule 2, tables S2.2; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.6.3 For the following activities referenced in schedule 1, table S1.1 (A2), the operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that the operator 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 the waste code of the waste.

2.7.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.6.4 The operator shall:

(a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and

(b) be satisfied that the waste conforms to the requirements of condition 2.6.1.

2.6.5 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.6.6 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.6.7 The total quantity of waste that shall be deposited in the landfill shall be limited by the post-settlement levels shown on drawing ESSD 5.

2.6.8 The quantity of waste that is disposed of or recovered at the site in any year shall not exceed the limits in schedule 1, table S1.4.

2.6.9 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or restoration and of the identity of the producer, or in the case of municipal waste and multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

2.7 Closure and aftercare

2.7.1 The operator shall maintain a closure and aftercare management plan.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits in schedule 3 shall not be exceeded.

3.1.2 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.3 Where a substance is specified in schedule 3, but no limit is set for it, the concentration of such substance in emissions from the site shall be no greater than the background concentration.

3.1.4 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:

(a) between nine and six months prior to the sixth anniversary of the granting of the permit; and

(b) between nine and six months prior to every subsequent six years after the sixth anniversary of the granting of the permit.

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 Noise and vibration

3.3.1 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.

3.3.2 The operator shall:

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

3.4 Monitoring

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

(a) Groundwater specified in tables S3.1 and S3.4;

(b) Landfill gas specified in table S3.2, S3.3A and S3.3B;

(c) Surface water specified in table S3.5.

3.4.2 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.

3.4.3 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

(a) annually; and

(b) prior to the disposal of waste in any new cell or new development area of the landfill; and

(c) following closure of the landfill or part of the landfill

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) the results of groundwater monitoring;

(ii) landfill gas monitoring;

(iii) waste types and quantities.

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 reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this activity and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;

(b) the topographical surveys required by condition 3.4.3 other than those submitted as part of a CQA validation report;

(c) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;

(d) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;

(e) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey; and

(f) a plan(s) ('the monitoring point plan – MPP') showing the locations of all existing and any new monitoring points.

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 S4.2 or other reporting format as agreed in writing with the Environment Agency; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 Within one 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.

4.2.5 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.

4.3 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 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

4.3.4 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.

4.4 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		
Landfill Operations		
Activity reference	**Specified activity and WFD Annex I and II operations**	**Activity description and limits of specified activity**
A1 Inert landfill	D1: Deposit into or onto land	The disposal of inert waste into or onto land. Waste types as specified in Table S2.1
Waste Operations		
Activity reference	**Description of activities for waste operations**	**Limits of activities**
A2 Physical treatment of inert and non-hazardous wastes	R5: Recycling/reclamation of other inorganic materials R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)	Physical treatment including manual and mechanical sorting, separation, screening, crushing and washing of non-hazardous and inert waste for recovery. Subject to any other requirements of this permit wastes shall be stored for no longer than 3 years prior to recovery and no more than 20,000 tonnes stored at anyone time. The washing treatment activity shall be conducted on an impermeable surface with sealed drainage to the silt pond only. No chemicals are authorised to be used in the washing activity. Waste types as specified in Table S2.2.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	Document(s) provided in response to section 3a – technical standards, Part B4 of the	05/08/2018

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
	application form; Environmental Risk Assessment (reference Saredon H1 Master June 2018); Stability Risk Assessment (reference 18-210-R-001)	
Response to Schedule 5 Notice dated 07/01/2019	Schedule 5 Notice response documents (references 18-210-L-001 Schedule 5 Notice response; Schedule 5 response (ARM/NRS/SHQEPR/1.00/2019)); Post-settlement levels (document reference ESSD 5)	21/01/2019
Response to Schedule 5 Notice dated 07/01/2019	Hydrogeological Risk Assessment (reference Hydrogeological Risk Assessment (final) (document reference HRA/NRS/SQ/2.00/2019)	05/04/2019
Response to Schedule 5 Notice dated 07/01/2019	Conceptual site model, Environmental Setting and Site Design (final version reference Environmental Setting Report November 2019 Saredon Version 2)	19/11/2019
Response to Schedule 5 Notice dated 03/06/2019	Closure and Aftercare Management Plan (document reference Environmental Setting Report November 2019 Saredon Version 2 section 2.7)	19/11/2019
Response to Schedule 5 Notice dated 03/06/2019	Monitoring Point Plan (document reference ESSD 7 version 5)	25/02/2020
Non-hazardous and inert waste: appropriate measures for permitted facilities	Non-hazardous and inert waste: appropriate measures for permitted facilities adopting measures where relevant for operation: https://www.gov.uk/guidance/non-hazardous-and-inert-waste-appropriate-measures-for-permitted-facilities	Updated: 1 August 2023
Response to request for further information dated 02/10/2024	Dust Emissions Management Plan Saredon Material Recycling Facility Version 1 04/10/2024	09/10/2024
Response to request for further information dated 02/10/2024	NRS Saredon Waste Acceptance and Rejection Procedure (1)	15/10/2024
Response to Schedule 5 notice dated 15/10/2024	Saredon Wash Water Management Plan	31/10/2024

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
1a	The operator shall install a new perimeter gas and groundwater monitoring borehole (indicated as BH7 within document Saredon Quarry Borehole Locations revision 2). This	Within 3 months of permit issue.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	borehole shall be constructed and recorded in accordance with permit condition 2.5.	
1b	The operator shall monitor gas and groundwater at BH7 monthly for a minimum of 12 months.	Monitoring to commence within 4 weeks of the installation of BH7, or as otherwise agreed in writing with the Environment Agency.
1c	Following completion of 12 months of monitoring the operator shall, using the findings of the monitoring data, submit to the Environment Agency for written approval limits for BH7 for the parameters listed below: - Ammoniacal Nitrogen, Cadmium, Chloride (table S3.1); and - Methane (table S3.3A); and - Carbon Dioxide (table S3.3B).	No later than 3 months after minimum monitoring required under 1b, or as otherwise agreed in writing with the Environment Agency.

Table S1.4 Annual waste input limits	
Category	**Limit Tonnes/Year**
Inert waste for disposal	950,000

Schedule 2 – List of permitted waste

Table S2.1 Permitted waste types for disposal at a landfill for inert waste	
Maximum quantity	**The total quantity of waste accepted at the site for the above activity shall be less than 950,000 tonnes a year.**
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
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
10	**Wastes from thermal processes**
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)
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 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
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 08	**wastes from waste water treatment plants not otherwise specified**
19 08 99	Stone filter media only (if cleaned to remove sewage contamination)

Table S2.1 Permitted waste types for disposal at a landfill for inert waste	
Maximum quantity	**The total quantity of waste accepted at the site for the above activity shall be less than 950,000 tonnes a year.**
Waste code	**Description**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass (excluding residual 'fines' from mechanical treatment of mixed wastes at transfer stations)
19 12 09	minerals (for example sand, stones) (excluding residual 'fines' from mechanical treatment of mixed wastes at transfer stations)
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 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.2 Permitted waste types and quantities for physical treatment of inert and non-hazardous waste	
Maximum quantity	**The total quantity of waste accepted at the site for the above activity shall be less than 350,000 tonnes a year.**
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 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
10	**Wastes from thermal processes**
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)
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
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 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

Table S2.2 Permitted waste types and quantities for physical treatment of inert and non-hazardous waste	
Maximum quantity	**The total quantity of waste accepted at the site for the above activity shall be less than 350,000 tonnes a year.**
Waste code	**Description**
17 05 08	track ballast other than those mentioned in 17 05 07
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 the preparation of water intended for human consumption and water for industrial use**
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 02	waste from desanding - wastes free from sewerage contamination
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass (excluding residual fines from mechanical treatment of mixed waste at transfer stations) (in EWC code list for permit application and missing from the Waste acceptance and rejection procedure)
19 12 09	minerals (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 - wastes from the processing of construction and demolition wastes only.
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Downgradient boreholes BH1, BH1C, BH2, BH3, BH4, BH6 and BH7 (location as per Saredon Quarry Borehole Locations revision 2)	Benzene	0.1 µg/l	Spot sample	Annually	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk), or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Downgradient borehole BH1 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.06 mg/l		Quarterly	
	Cadmium	0.0114 mg/l		Annually	
	Chloride	69 mg/l		Quarterly	
Downgradient borehole BH1C (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.518 mg/l		Quarterly	
	Cadmium	0.0464 mg/l		Annually	
	Chloride	85 mg/l		Quarterly	

Table S3.1 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Downgradient borehole BH2 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.656 mg/l		Quarterly	
	Cadmium	0.00113 mg/l		Annually	
	Chloride	34 mg/l		Quarterly	
Downgradient borehole BH3 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.651 mg/l		Quarterly	
	Cadmium	0.0013 mg/l		Annually	
	Chloride	150 mg/l		Quarterly	
Downgradient borehole BH4 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.732 mg/l		Quarterly	
	Cadmium	0.0013 mg/l		Annually	
	Chloride	65 mg/l		Quarterly	
Downgradient borehole BH6 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.528 mg/l		Quarterly	
	Cadmium	0.0233 mg/l		Annually	
	Chloride	83 mg/l		Quarterly	
Downgradient borehole BH7 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal nitrogen	0.528 mg/l*		Quarterly	
	Cadmium	0.0233 mg/l*		Annually	
	Chloride	83 mg/l*		Quarterly	

Table S3.2 Landfill gas: in-waste monitoring – Action level and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Action level (including units)**	**Monitoring frequency**	**Monitoring standard, specifications and other actions**
All in-waste landfill gas monitoring points (as per Monitoring Point Plan)	Methane	1% v/v	Quarterly	In accordance with Agency LFTGN03 'Guidance on the Management of Landfill Gas' or as otherwise agreed with the Agency. Record whether the ground is: waterlogged frozen snow covered
	Carbon dioxide	No limit		
	Oxygen			
	Atmospheric pressure			
	Differential pressure			

Table S3.3A Landfill gas: perimeter monitoring – Compliance limit and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard, specifications and other actions**

Table S3.3A Landfill gas: perimeter monitoring – Compliance limit and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard, specifications and other actions**
Perimeter monitoring boreholes BH1, BH1C, BH2, BH3, BH4, BH5, BH6 and BH7 (location as per Saredon Quarry Borehole Locations)	Methane	0.5% v/v*	Quarterly	In accordance with Agency LFTGN03 'Guidance on the Management of Landfill Gas' or as otherwise agreed with the Agency. Record whether the ground is: waterlogged frozen snow covered
	Oxygen	No limit		
	Atmospheric pressure			
	Differential pressure			
*For BH7 only, temporary limit subject to the outcome of Improvement programme requirements (S1.3, 1c).				

Table S3.3B Landfill gas: perimeter monitoring – Action levels and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Action level (including units)**	**Monitoring frequency**	**Monitoring standard, specifications and other actions**
BH1, and BH1C (as location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	4.1 %v/v	Quarterly	As per LFTGN03 (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Where the concentration of carbon dioxide at a specified monitoring point exceeds the specified action level, the operator shall investigate the root cause in accordance with their gas action plan. Record whether the ground is: waterlogged frozen snow covered
BH2 and BH3 (location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	1.6 %v/v		
BH4 (location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	1.8 %v/v	Quarterly	
BH5 (location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	4.0 %v/v		
BH6 (location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	4.2 %v/v		
BH7 (as location as per Saredon Quarry Borehole Locations revision 2)	Carbon Dioxide	4.2 %v/v*		
*Temporary limit subject to the outcome of Improvement programme requirements (S1.3, 1c).				

Table S3.4 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Up gradient Monitoring borehole BH5 (location as per Saredon Quarry Borehole Locations revision 2)	Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk), or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Total Alkalinity, Magnesium, Potassium, Sulphate, Calcium, Sodium, Chromium (VI), Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium, Cyanide	Annually	
	Hazardous substances Arsenic (III) & (V), Mercury, Benzene, Toluene, Ethyl Benzene, Xylene, Benzo(a)pyrene, Poly Chlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH)	Annually for first six years of operation then every two years	
Down or cross gradient Monitoring boreholes BH1, BH1C, BH2, BH3, BH4, BH6 and BH7 (location as per Saredon Quarry Borehole Locations revision 2)	Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk), or such other subsequent guidance as may be agreed in writing with the Environment Agency. For hazardous substances, if the results of routine monitoring suggest an increase in contamination above the baseline or upgradient groundwater quality, the operator shall undertake a full hazardous substances screen on all groundwater samples, to include all the confirmed hazardous substances on the Water Framework UK TAG website (http://www.wfduk.org/resources/groundwater-hazardous-substances-standards).
	Total Alkalinity, Magnesium, Potassium, Sulphate, Calcium, Sodium, Chromium (VI), Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium, Cyanide .	Annually	

Table S3.4 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
	Hazardous substances Arsenic (III) & (V), Mercury, Benzene, Toluene, Ethyl Benzene, Xylene, Benzo(a)pyrene, Poly Chlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH)	Annually for first six years of operation then every two years	
Monitoring boreholes BH1, BH1C, BH2, BH3, BH4, BH5, and BH6 (location as per Saredon Quarry Borehole Locations revision 2)	Base of monitoring point (mAOD)	Annually	

Table S3.5 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
SW1, SW2 and SW3 (location as per Saredon Quarry Borehole Locations revision 2)	Ammoniacal Nitrogen Chloride Electrical Conductivity Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) Total organic carbon (TOC) Total oxidised nitrogen (TON)	Quarterly	Spot sample	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
SW1, SW2 and SW3 (location as per Saredon Quarry Borehole Locations revision 2)	Alkalinity, Arsenic, Cadmium. Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Sulphate, Sodium, Zinc, PAHs, Total Petroleum Hydrocarbons, BTEX compounds	Annually		

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	**Reporting period***	**Period ends**
Emission to groundwater As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in monitoring boreholes As specified by schedule 3, table S3.2, S3.3A and S3.3B.	Every 3 months	31 March, 30 June, 30 September, 31 December
Other groundwater monitoring As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Other surface water monitoring As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December

*where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

Table S4.2 Reporting Forms		
Media/parameter	**Reporting Format**	**Date of Form**
Controlled water	Form Water1, or other reporting format to be agreed in writing with the Environment Agency	DD/MM/YYYY
Groundwater	Form Groundwater1, or other reporting format to be agreed in writing with the Environment Agency	DD/MM/YYYY
Landfill gas	Form LFG1, or other reporting format to be agreed in writing with the Environment Agency	DD/MM/YYYY
Waste Return	E-waste Return Form	
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	

Schedule 5 – Notification

This page outlines 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 incident or accident which significantly affects or may significantly affect the environment	
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 in the event 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	
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 supplied 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.

“Annually” means once every year.

“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; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

“Construction Proposals” means written information, at a level of site plan appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the Landfill Infrastructure.

“CQA Validation Report” means the final “as built” construction and engineering details of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliances and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“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 2016, 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.

“Exceeded” means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

“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 substances” as defined by the Environmental Permitting (England and Wales) Regulations 2016, SI 2016 No.1154, schedule 22.

"Inert waste" means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.

“Landfill infrastructure” means any specified element of the:

- Artificially established geological barrier;
- surface water drainage systems;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes.

“List of Wastes” means the list of wastes established by Commission Decision 2014/995/EC replacing Decision 1994/3/EC and 2000/532/ EC establishing a list of wastes pursuant to Article 7 of Council Directive 2008/98/EC 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.

“Liquids” means any liquid other than leachate.

“MPP” means the monitoring point plan, required to specify routine monitoring locations.

“No impact” means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

“Previous year” means the 12 month period preceding the month the annual report is submitted in.

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

“Relevant waste acceptance criteria” means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“Relevant waste acceptance procedures” means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

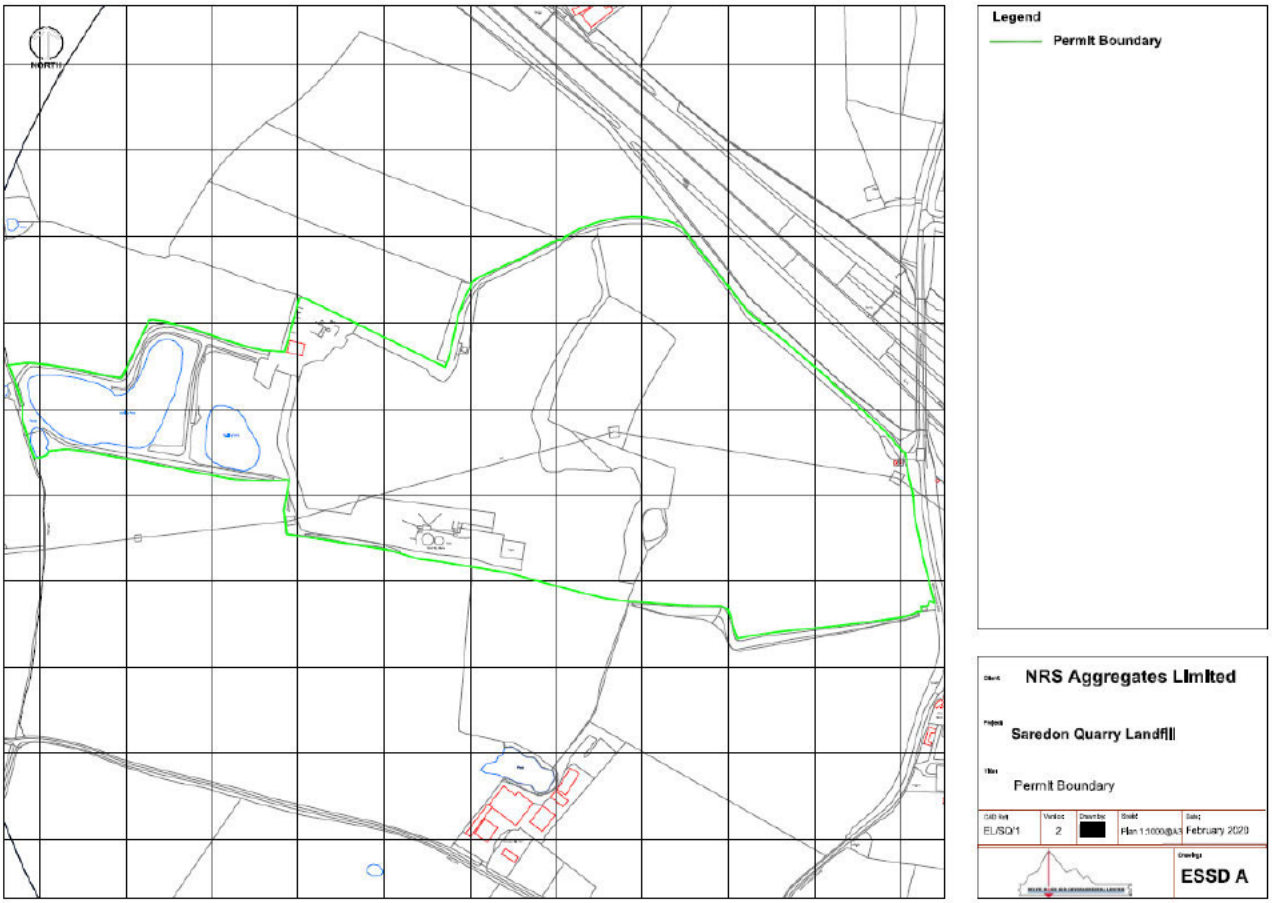
“Review of the Hydrogeological Risk Assessment” means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

“Waste code” – See “List of Wastes”.

“WFD” means Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste [and repealing certain Directives] – the Waste Framework Directive.

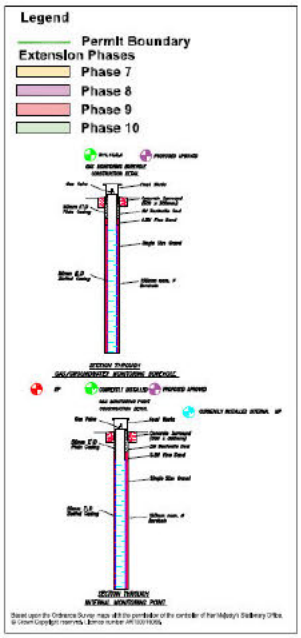
Schedule 7 – Site plan

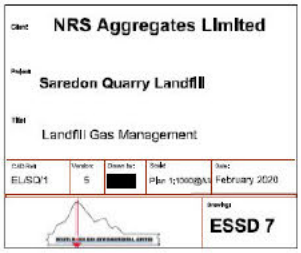
Site plan 1: showing permit boundary in green.



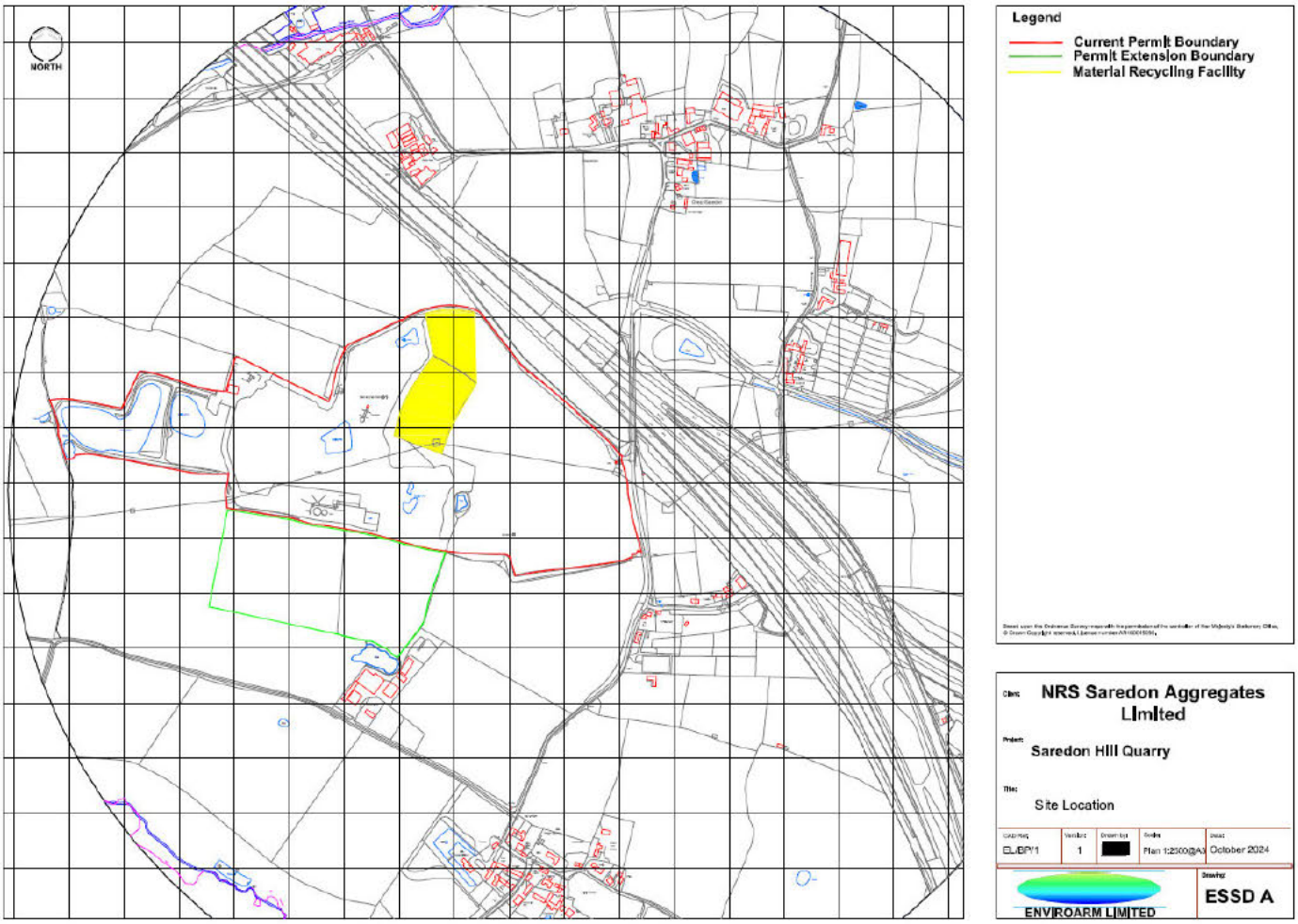
Site plan 2: showing permit boundary in green and the planned phased completion of landfill operations at the site in ascending order.







Site plan 3: showing permit area, EPR/FB3009GX/V004, in yellow for the additional physical treatment activity.



END OF PERMIT

Annex 1: reporting forms surface water (Water1), groundwater (Groundwater1) and landfill gas (LFG1).

Permit Number:	**FB3009GX**	**Operator:**	**NRS Saredon Aggregates Limited**
Facility:	**Saredon Hill Quarry**	**Form Number:**	**Water1 / DD/MM/YY**

Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed …… Date……..

(Authorised to sign as representative of Operator)

Permit Number:	**FB3009GX**	**Operator:**	**NRS Saredon Aggregates Limited**
Facility:	**Saredon Hill Quarry**	**Form Number:**	**Groundwater1 / DD/MM/YY**

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

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed …… Date……..

(Authorised to sign as representative of Operator)

Permit Number:	**FB3009GX**	**Operator:**	**NRS Saredon Aggregates Limited**
Facility:	**Saredon Hill Quarry**	**Form Number:**	**LFG1 / DD/MM/YY**

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

Monitoring Point	Substance / Parameter	Compliance limit	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed …… Date……..

(Authorised to sign as representative of Operator)