

RESTORATION OF FINNINGLEY QUARRY

Finningley Quarry

OPERATIONAL WORKING PLAN

STATUS: FINAL MAY 2020

173263/OP

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1.0 INTRODUCTION

Overview

- 1.1 This Operational Working Plan (OP) describes the operation of the site, in line with the standards of the Environment Agency (EA) and activities within EA Landfill Sector Technical Guidance. The Operator is Tetron Finningley LLP.
- 1.2 The site processes the following types of waste:
 - Import and placement for restoration of circa tonnes 621,940 tonnes (based on a 310,970 cu m at 2 tonnes per m³ conversion).
- 1.3 The site will operate under an installation Landfill Permit. The primary purpose of the site is to restore a former mineral works using recovered inert waste and asbestos. The restoration will take approximately 4-5 years.
- 1.4 The restoration of the whole of Finningley Quarry site has Planning Permission (D84/06/548). This application is to restore the eastern part of the site to approved planning restoration levels and has also incorporated temporary restoration levels to allow incorporation into future restoration phases in the south west and into the existing Biffa landfill deposit.
- 1.5 The site operations will include the storage and deposit of inert waste and asbestos in a defined stable, non-reactive hazardous landfill cell. The waste will be placed and compacted to allow restoration of the land to create an engineered feature on site to increase safety for public access and restore agricultural land use. Construction of the geological liner, the capping layer and parts of the final formation will utilise site derived non-waste materials. The site infrastructure is presented in drawing 173263/D/003.

2.0 MANAGEMENT

Management

- 2.1 The operation will be undertaken in line with this OP and the overall Environmental Management Systems. The site will have additional management plans including, but not limited to:
 - Site Layout Plan;
 - Site Drainage Plan;
 - Restoration Plan;
 - Closure & Aftercare Management Plan;
 - CQA Strategy Plan;
 - Particulate Emissions Management Plan;
 - Accident and Prevention Management Plan;
 - Spill Response Plan; and
 - Site Condition Report.
- 2.2 The Environmental Management Systems will set out the following information:
 - Site Operations;
 - Environmental Policy;
 - Register of Environmental Effects;
 - Operational controls and responsibilities;
 - Objectives and Key Performance Indicators;
 - Contingency Arrangements;
 - Records including formal training; and
 - Review process.

- 2.3 The site will clearly establish and monitor performance for key objectives, this includes but is not limited to:
- Proportion of imported materials from wastes by each stream;
 - Incidents and complaints by category; and
 - Non-conformances.
- 2.4 All staff will have clearly defined roles and responsibilities with specified skills for each post required. At all times there will be sufficient staff to manage and operate activities on the site without causing a risk to the environment.
- 2.5 In accordance with current EA guidance, the site will be supervised by the Technically Competent Person (TCP) (a WAMITAB Operator) and at least one member of staff, who is fully conversant with the requirements of the Permit, OP regarding, in particular, the following:
- Waste acceptance and control procedures;
 - Operational controls and environmental monitoring;
 - Maintenance;
 - Record-keeping;
 - Emergency action plans; and
 - Notifications to the EA.
- 2.6 A TCP will be on site for 20 % of the operational hours. Detailed records of the attendance time at site by the TCP will be kept in the site diary.
- 2.7 All Contractors will be trained about the relevant working controls.

Hours of Operation

- 2.8 The site will operate between the hours set out below:
- 07:00 to 18:00 – Monday to Friday;
 - 08:00 to 14:00 – Saturday;
 - Closed – Sundays and bank holidays.

3.0 WASTE MANAGEMENT OPERATIONS

Overview

- 3.1 Site operations will begin once the geological barriers have been constructed in accordance with the specification outlined in CQA Strategy Plan and a CQA Validation Report has been approved by the EA.
- 3.2 The site operations include direct landfilling of inert waste and asbestos; as well as temporary storage. Waste will be directly placed into the void and compacted. In addition to this, the southern part of the site will be infilled using non-waste site derived materials.
- 3.3 All incoming asbestos and/or asbestos containing soils (ACS) will be directly placed within the void. There will be no processing of ACS. Tipping and placement controls will be in accordance with the Particulate Emissions Management Plan.
- 3.4 Following the restoration infilling, a capping layer will be constructed above the waste to ensure there are no pathways in accordance with the specification outlined in Hydrogeological Risk Assessment and in accordance with the CQA Strategy. Once the capping layer is in, the areas will be top soiled and landscaped as per final design and Restoration Plan.
- 3.5 The types and limits of activities to be carried out at the site are presented in Schedule 1. The operations and the maximum and annual quantities of waste to be imported to the site are

described in Table 3.1. Permitted waste types and waste activities are detailed in Schedules 1 and 2 respectively. Flow diagrams for import and placement of waste are set out in Schematic 1 and 2.

Table 3.1 Maximum and Annual Quantities of Waste and Non-Waste	
Activity	Quantity
Temporary storage (D15) and disposal of inerts and inert soils and asbestos / asbestos containing inert soils (D01)	200,000 tonnes of waste per annum
Landfill restoration including capping and restoration soils including topsoil (R10, R13, R03 and R05)	621,938 tonnes of waste in total.

Waste Acceptance Procedures

Pre-acceptance

- 3.6 Prior to any import, any waste must be pre-assessed to determine whether the site can accept it and process it without risk to the human health or to the environment. This process is integral to the management of the site.
- 3.7 Before the importation of any waste, the Operator will evaluate the source of the waste to be imported under this protocol. The Operator will employ a Waste Acceptance Form (WAF) that will be used to document the evaluation process for each waste stream to be deposited at the site i.e. the tracking process. This form will identify the waste type, its source and if not natural soil, stone or rock, its environmental characteristics. This will include chemical solid test results on metals, hydrocarbons and non-metals as well as the leachate assessment detailed in the Waste Acceptance Criteria. The WAF along with any supporting information will be retained at the Operators office. Each WAF will have a unique reference. A schematic of the prior acceptance process is shown in Schematic 1.
- 3.8 Waste types that can be accepted at site are set out in Schedule 2.
- 3.9 If a material complies with the inert criteria (see Schedule 2) and is submitted with detailed Leachate Results (L/S=10l/kg) (WAC testing) which meet the standards specified in Table 3.2, then they will be deemed suitable for use within the site. Where more than 2 samples are taken a statistical approach based upon the 95th percentile of the data set will be adopted as determined necessary.
- 3.10 Asbestos is not assessed within the acceptance procedures and is acceptable subject to the appropriate controls being in place prior to delivery.
- 3.11 Wastes to be imported to the site are potentially from multiple sources. The requirement for WAC testing results to be submitted for each source is dependent on the type and nature of the materials. Verified greenfield soils and natural clays, or single-source inert waste streams (e.g. concrete (excluding re-bar), stone) would not need to be subject to WAC testing.
- 3.12 The Operator will record the source and documentation references on the WAF form during the evaluation of each waste source. Wastes from brownfield sites (made ground), mixed waste, or wastes containing potentially reactive materials and/or low level contaminants will need to be supported by WAC testing. WAC testing will be undertaken prior to importation.

Table 3.2 Inert Waste Acceptance Criteria		
Determinant	Leachate Criteria (LS=10l/kg) mg/kg	Soil mg/kg
Arsenic (total)	0.5	
Cadmium (total)	0.04	
Chromium (total)	0.5	
Copper (total)	2.0	
Mercury (inorganic)	0.01	

Nickel (total)	0.4	
Lead (total)	0.5	
Antimony (total)	0.06	
Selenium (total)	0.1	
Zinc (total)	4.0	
Chloride (total)	800	
Fluoride (total)	10	
Sulphate (as SO ₄)	1000	
Phenol (total)	1.0	
BTEX (C ₅ -C ₁₀)		6
PCB (total)		1
Mineral Oil (C ₁₀ -C ₄₀)		500
PAH (total)		100
Total Organic Carbon		3%

Assessment of non-greenfield soils

- 3.13 Where a material is potentially reactive (or contaminated), the Operator will assess the waste streams and Certificates of Analysis (including WAC results). If the representative samples of the waste stream meet the standards set out above then they will be determined as suitable as Inert. The WAF will be completed for this waste stream and signed. Only once approved will the import commence.
- 3.14 The chemical test results must have been obtained from samples which are representative (i.e. be both recent and, if obtained during a site investigation, be from the same depth as the source of materials which are proposed to be imported) of the material to be imported. If samples are obtained from stockpiles then composite samples (mixed sub-samples) should ideally be collected. Samples should be collected by a competent Environmental Engineer/Consultant or Representative of the Producer. All chemical testing will be undertaken by a UKAS accredited laboratory and the test record describing the soil kept. An assessment must be undertaken against a materials reactivity (using the Waste Acceptance Criteria (WAC)) and determining whether it has any hazardous properties (other than asbestos) using WM3 Waste Classification guidance. Where more than 2 samples are taken a statistical approach based upon the 95th percentile of the data set will be adopted as determined necessary.
- 3.15 Materials imported onto the site will be tipped under the guidance of the trained site operatives to ensure materials comply with the description on the WAF form.
- 3.16 Only inert waste/materials and asbestos only will be accepted at the site for use as fill material.

On Site Waste Management Control

Site acceptance

- 3.17 An overview of the on-site waste management operations is shown in Schematic 2.
- 3.18 The waste will access the site off Old Bawtry Road internal haul route. The vehicle will go direct to the site office where it will be inspected, weighed and checked against the relevant pre-acceptance information.
- 3.19 All wastes transported to the site are inspected and a weight will be given based on container size in accordance with EA waste conversion factor guidance. Only permitted waste that conforms to the type and description in the documentation supplied by the producer and/or holder is accepted. Skip waste entering the site is further visually inspected and associated Duty of Care paperwork checked. Drivers are instructed by staff where to unload the contents of the delivery. Details of the input will be recorded, which includes at least the following:
- Date and time of delivery;
 - Vehicle details (registration mark);
 - Written description, EWC code, origin and quantity of the waste;
 - Waste producer details; and
 - Waste Transfer Note number.

- 3.20 The Waste Transfer Note will be taken from the carrier, checked to ensure it is fully completed with the correct data and the material conforms to the pre-acceptance information within the WAF. If the Operative is happy, the Carrier will be directed to the relevant processing area or restoration area. Vehicular unloading will be supervised by a trained operative. During placement of the waste, the waste material will be further inspected to check its contents are consistent with the description provided on the Duty of Care note. If there is any uncertainty regarding the waste type against the expected characterisation as set out in the pre-acceptance information and/or Duty of Care note, the material and/or the vehicle will be isolated/quarantined until the assessment can be concluded. Rejected loads will be recorded in the Site Diary.
- 3.21 In the event that potentially unacceptable waste is identified during operation it is segregated and taken to the Quarantine Area (Q on drawing 173263/D/003). If necessary, further testing will be undertaken to determine acceptability. The testing will be undertaken by the Operation Manager or delegate.
- 3.22 In the event of non-conforming material is identified, the Producer will be notified and if deemed necessary the importation of the waste stream will be stopped until acceptability can be confirmed.
- 3.23 In the event that the waste is unacceptable, the Producer will be notified to remove the material from site. The details of this incident will be recorded in the Site Diary. In the event that a vehicle cannot be immediately turned away (due to the time of day, for example), it will be placed adjacent to the quarantined section until practicable to be removed from site.
- 3.24 For asbestos containing waste materials, advance notification of delivery will be required from the customer or carrier to enable special arrangements to be put in place for the receipt and disposal of these wastes. Normally, one day prior notification will be required. However, this requirement may be altered in special circumstances and subject to the Site Manager's approval.
- 3.25 On receipt of advanced notification, the weighbridge operator will:
- obtain confirmation that the asbestos waste is bagged and will be delivered to the site in enclosed containers;
 - obtain details of the waste delivery from the customer;
 - advise the Site Manager of the proposed delivery; and
 - record the details in the daily log book.
- 3.26 Asbestos waste will only be accepted if all non-hazardous co-incident materials have been removed. Asbestos will only be accepted on site if properly sealed in appropriate vehicles and/or containers or wrapped. The weighbridge operator will advise the Site Manager and the machine operator of deliveries of asbestos by the end of the previous day, so that the designated tipping area can be prepared.

Material Testing

- 3.27 Validation testing, in accordance with Inert Waste Guidance, is set out in Table 3.5:

Table 3.5 Material Testing		
Material Type	Chemical Testing	Geo-technical Testing
For disposal in restoration area	Visual inspection of each load. 1 WAC test per 2,000 tonnes.	N/A

Quarantine

- 3.28 During the works it is anticipated that some unacceptable wastes will be identified. Table 3.6 sets out the controls.

Table 3.6 Quarantine Controls

Waste Type	Waste Processing Controls	Storage Controls
Containers with dangerous substances, (e.g. diesels, oils and paints) within waste.	Waste treatment to stop in vicinity of the container to be isolated. Container and associated product removed and characteristics assessed.	Placed in secure skip with lid. Once classification complete the waste is to be removed from the site for offsite disposal or recovery.
Large pressurised containers (e.g. gas cylinders).	Container transferred to Quarantine Area.	Storage in cage. Onward transfer for recovery.
Small pressurised containers	Container transferred to Quarantine Area.	Storage in cage with lid. Condition of cylinders to be regularly checked. Onward transfer for recovery.

3.29 All quarantined wastes will typically be removed within 1 working week of discovery. If not, the EA will be notified.

4.0 ENVIRONMENTAL CONTROLS AND MONITORING

Control of dust, fibre and particulates

4.1 Refer to Particulate Emissions Management Plan.

Control of odours

4.2 It is considered that the type, nature and quantity of wastes to be imported at the site present a very low risk of odour generation. No odour control or monitoring is considered necessary.

Control of noise

4.3 The noise levels generated by the site operations will not result in nuisance due to the control mechanisms proposed, the nature of surrounding land and its uses, the hours of the operations and the distance of the site from nearby residential properties. Of particular note is that the residential area has no line of site from dwellings to the development.

4.4 Management controls include, but are not limited to:

- Adherence to the working hours;
- the placement of site hoardings, structures and stockpiles between residents and the operations;
- ensuring regular and effective maintenance of plant;
- reducing drop heights; and
- induction briefing to all employees regarding the need to keep noise to a minimum and the health hazards associated with exposure to excessive noise. This will include training on the proper use and maintenance of plant and equipment; positioning of machinery to reduce noise emissions to surrounding receptors and site personnel, avoidance of unnecessary noise and the protection of persons against noise.

4.5 A record of any complaints arising regarding noise emissions and the actions taken will be kept in the Site Diary. The complaints procedure is presented in Appendix A.

Control of pests

4.6 Due to the nature of the materials being used, the risk of pest infestations and scavenging birds is assessed to be very low. In the event pests are identified, a pest control contractor will be commissioned to implement a system around the structures of the site.

Control of litter

4.7 Due to the nature of the materials to be recovered and proposed activities on the inert waste, the risk of litter generation is assessed to be low. No specific controls are proposed. Any litter identified during the daily inspection will be cleaned up, bagged and placed in a suitable skip pending disposal.

4.8 An excessive spillage of materials or waste from a haulage vehicle anywhere within the site, or on the adjacent public highway, will be dealt with immediately by road sweeping of the surface (or the use of mechanised loading shovel), as required. Any spillage and the action taken will be recorded in the Site Diary.

Control of mud

4.9 The following measures ensure that mud is controlled from leaving the site and impacting on local roads. The site has an internal haul route, which is surfaced by compacted hardstanding and is circa 200 m long, which provides additional mud control.

- 4.10 All vehicles will be inspected to ensure they were clean to avoid mud being carried onto the internal road. In the event that wheels and under carriage are considered muddy they will hand washed.
- 4.11 In the event that excessive mud or dust is being deposited onto the public highways, sweeping of the relevant areas will be organised immediately. Any routine inspections and subsequent actions will be recorded in the Site Diary.

Drainage and control of pollution

- 4.12 The site drainage, during the restoration process, will be managed on site with no positive discharge point. Pondered water may intermittently be pumped out of the void and discharge via soakaway subject to suspended solid treatment. The permanent design will be undertaken in accordance with Appendix B.
- 4.13 The Operator will maintain its vehicles, plant and equipment in accordance with relevant legislation and manufactures guidance. The Operator will train and authorise its staff to operate the vehicles, plant and equipment to uphold the above. This ensures leaks are minimised.
- 4.14 Plant will be refuelled using a mobile bowser (double-skinned tank) brought to site as appropriate. All maintenance of plant on-site will be undertaken on hardstanding within the site compound.
- 4.15 The site supervisor will ensure that only authorised and trained staff carry out activities involving the refuelling of plant or associated maintenance.
- 4.16 Groundwater monitoring will be completed in accordance with the HRA and the monitoring plan is shown in drawing 173263/D/007.

Procedures for control and remediation of leaks and spillages

- 4.17 Leaks and spillages from operational equipment and plant on site are controlled by the application of good housekeeping techniques and regular documented maintenance of all plant and equipment. Spill kits and absorbent granules/pads will be maintained at the site offices.
- 4.18 All site staff will be trained to deal with leaks and spillages according to the spillage management procedure. The site supervisor and TCP will ensure that any required remedial actions are completed to an appropriate standard. In the unlikely event of a significant spillage that could not be controlled on site, the EA will be notified as soon as possible. All significant spillages and leaks will be recorded in the Site Diary.

Fire prevention and control

- 4.19 No fires or burning of waste is permitted at the site. The risk associated with the occurrence of fire on the site is anticipated to be low. Any occurrence of fire at the site will be regarded as an emergency and acted upon immediately upon discovery. Daily inspections will include visual observations of plant and vehicles to identify any potential evidence of smouldering. No 'hot loads' will be brought to/accepted at site.
- 4.20 The site has security arrangements during normal working hours. The site is fully fenced and locked at night. Access to the site is controlled through one entrance. These measures will prevent unauthorised access and the potential for vandalism and the risk of arson.
- 4.21 The operations are considered to be a low burning potential. The following actions in the event of fire will be undertaken:
- Notify the Fire Brigade immediately and the EA as soon as is practicable;
 - Isolate the burning area and attempt to extinguish the fire, if this can be undertaken without placing any member of staff or the public at risk; and
 - Evacuate the site if the fire is not containable in line with Health & Safety Plan.

4.22 All instances of fires (or suspected fires resulting from arson or vandalism) will be recorded in the Site Diary.

5.0 WASTE

5.1 The site is designed to restore the landscape using inert and asbestos waste. Any non-compliant materials will be segregated and sent for onward use or recovery by suitably licenced facilities.

5.2 Recovery and disposal routes appropriate to the nature of the residual waste generated by the recovery will be managed in line with the waste hierarchy, to ensure materials are reused and recovered where practicable.

5.3 The Operator will adhere to Section 34 of the *Environmental Protection Act 1990 'Waste Management: The Duty of Care – A Code of Practice'*. Residual wastes will be stored in appropriate covered bays and/or containers, which will be correctly labelled. Waste streams, in particular those designated to be disposed of, will be constantly assessed by the management team to ensure the efficiency of the recovery operations is maintained. Quarterly waste returns will be completed and submitted to the EA in accordance with the Permit requirements.

5.4 All materials transferred from the site will be supported by Waste Transfer Notes and suitable Duty of Care paperwork.

6.0 INFORMATION MANAGEMENT

Records

6.1 All records required by the Permit will be held by the Operator. The operator will keep all records relating to the site at the main office.

6.2 The Site Diary/environmental log will be maintained by the site management. All records relating to the site will be kept for a minimum of 2 years. The following significant events will be recorded in the Site Diary:

- Maintenance of plant in accordance with manufacturer's recommendations;
- Breakdowns;
- Emergencies;
- Problems with material stockpile quality and action taken;
- Site inspections and consequent actions carried out by the operator. These include those undertaken by specialists;
- Technically competent management attendance at site;
- Any Monitoring undertaken;
- Importation volumes and Duty of Care paperwork;
- Severe weather conditions which adversely affected site activities;
- Complaints about site operations and actions taken; and
- Environmental problems and remedial actions (including spills and leaks).

Inspection Regime

6.3 Site inspections will be undertaken on operational days to check for unforeseen emissions and compliance with the Permit requirements. Inspections and corrective actions (including any required notifications to the EA) will be recorded in the Site Diary.

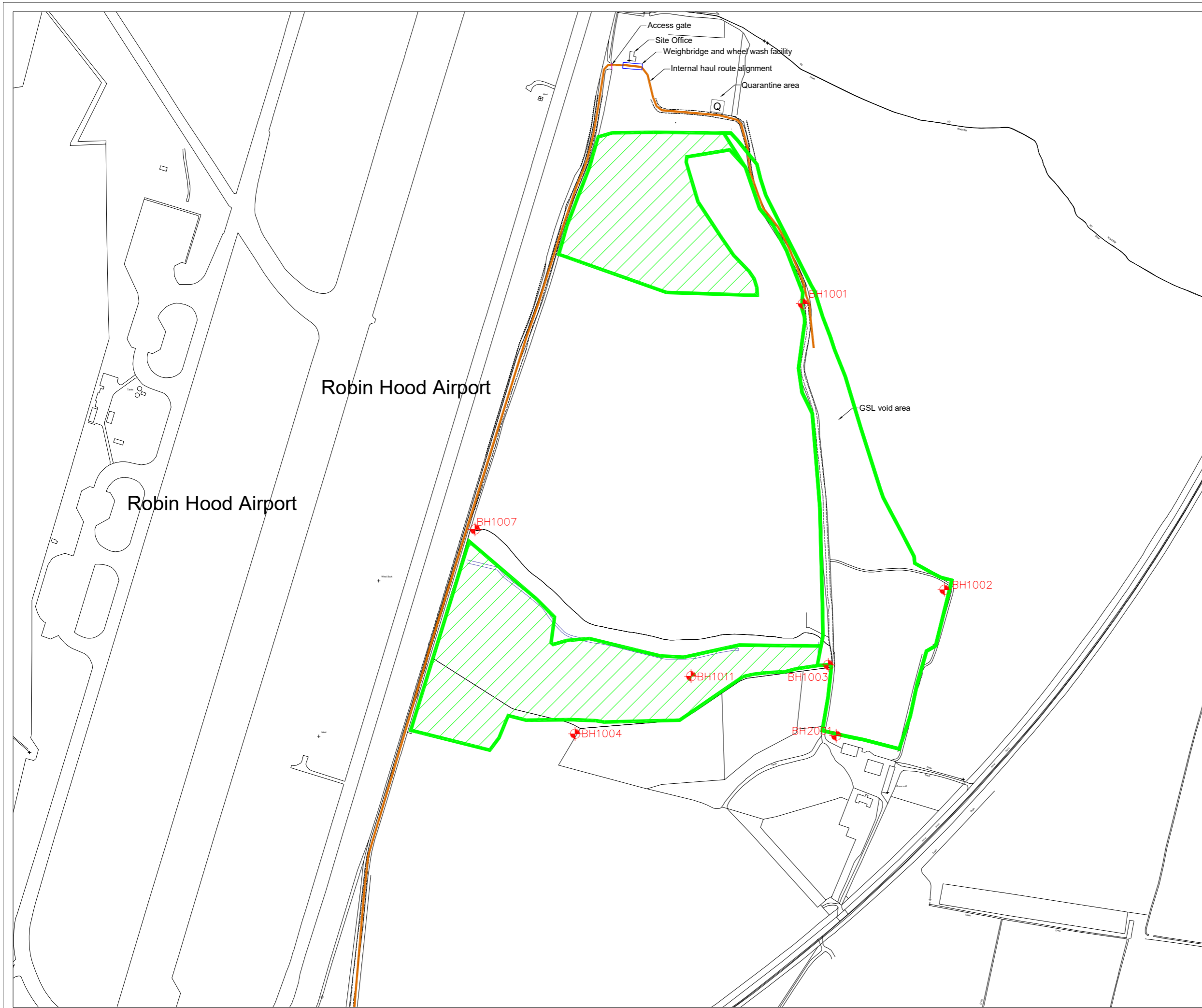
Duty of Care

- 6.5 In accordance with Duty of Care requirements, the Operator will maintain a schedule of all waste transfers from the site. The schedule and Duty of Care paperwork will be made available for inspection, as required. Records will be maintained at the Operator's main office.

Availability of Permit and Management Plan

- 6.6 A copy of the Permit, all management plans and the supporting documents, will be kept available on site for reference when required by all site staff carrying out work under the requirements of the Permit.

Drawings








- Key:**
- Permit boundary
 - Groundwater and perimeter gas monitoring borehole location
 - Access gate
 - Weighbridge and wheelwash
 - Site office
 - Quarantine area
 - Internal haul route
 - No waste operation as part of this permit variation
 - Proposed area of waste operations

- Notes:**
1. The site office will contain all waste transfer tickets and spill kit provision.
 2. Waste operations pertaining to this partial permit variation will be undertaken in the eastern cell of the site.

Rev.	Details	Drawn Chkd.	Date
Project 173263 Fingleton Quarry			
Title Site Infrastructure Plan			
		AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-lp.com www.aae-lp.com	
Scale 1:5,000@A3	Date Feb '20	Drawn JM	Chkd. EB
Drg. No. 173263/D/003		Rev.	



- Key:**
-  Permit boundary
 -  Groundwater and perimeter ground gas monitoring location.
 -  Indicative downwind asbestos air monitoring location.
 -  Indicative upwind asbestos air monitoring location.
 -  Visual site boundary inspection location

- Notes:**
1. Asbestos air monitoring locations will be determined by the prevailing wind direction during site operations on the day.
 2. Asbestos air monitoring locations will be set up at the upwind and downwind location along the site boundary.
 3. Asbestos air monitoring will follow Environment Agency M17 guidance.
 4. Boreholes shown on drawing 173263/D/003 will be monitored for ground gas and groundwater on a monthly basis during in-filling.
 5. The whole permit boundary is shown in drawing 173263/D/003. The operation will only take place within the eastern cell.

Rev.	Details	Drawn	Date
		Chkd.	
Project 173263 Finningley Quarry			
Title Monitoring Plan			
		AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-lp.com www.aae-lp.com	
Scale 1:2,500@A3	Date Feb '20	Drawn JM	Chkd. EB
Drg. No. 173263/D/007		Rev.	

Schematics

Schedules 1 & 2

Schedule 1: Process Operations

Schedule 1.1 Permitted Waste Activities		
Process	Description	Limits of waste
Inert and asbestos waste disposal for restoration purposes.	Inert soils and stones and asbestos waste. D01 – Inert landfilling D15 – storage pending recovery.	Annual through put limited to 100,000 tonnes per annum. Permitted waste types set out in Schedule 2.2.
Landfill restoration including topsoil	R13 – temporary storage R05 – recovery of inorganics. R03 – recovery of organics.	

Schedule 2: Permitted wastes for landfill

Table 2.1. Waste types and quantities	
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral 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
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
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 (unless it contains dangerous substances)
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 PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 02	Physico/chemical treatments of waste
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 08	wastes from waste water treatment plants not otherwise specified
19 08 99	stone filter media (if cleaned to remove sewage contamination) only
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting,
19 12 09	minerals (for example sand, stones)
19 12 12	Inert filter cake clay from soil washing facilities
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

Asbestos Waste Codes

06 07 01*	Wastes containing asbestos from electrolysis
06 13 04*	Wastes from asbestos processing
10 13 09*	Wastes from asbestos-cement manufacture containing asbestos
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
16 02 12*	Discarded equipment containing free asbestos
17 06 01*	Insulation materials containing asbestos
17 06 05*	Construction materials containing asbestos
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing
19 13 01*	solid wastes from soil remediation containing hazardous substances

Schedule 2: Permitted wastes for restoration

Table 2.2. Waste types and quantities	
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral 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
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
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 (unless it contains dangerous substances)
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 PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 02	Physico/chemical treatments of waste
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 08	wastes from waste water treatment plants not otherwise specified
19 08 99	stone filter media (if cleaned to remove sewage contamination) only
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting,
19 12 09	minerals (for example sand, stones)
19 12 12	Manufactured subsoil and topsoil adhering to restoration specification
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