



ENVIRONMENTAL MANAGEMENT SYSTEM

ENVIRONMENTAL PERMIT: EPR/JB3034RN

ASH Resource Management, Cambrian Quarry, Gwernymynydd, Mold, Flintshire, CH7 5LW

Version: 2.0

DOCUMENT HISTORY

Version	Date	Changes / Comments	Author	Reviewed by
1.0	07/03/2014	Draft for comments	Oaktree	
1.1	31/03/2014	Version for Permit application	Oaktree	
2.0	31/10/2023	Amendment for Permit variation; changed format	SR	

1. INTRODUCTION

1.1. ASH RESOURCE MANAGEMENT (CAMBRIAN QUARRY) LTD

ASH Resource Management (Cambrian Quarry) Ltd (ASH) operates a bespoke permit for the permanent deposit of waste for the purpose of recovery and soil substitutes and aggregate production facility at Cambrian Quarry, Glyndwr Road, Gwernymynydd, Mold, Flintshire, CH7 5LW (the Site). The permanent deposit of waste is for the restoration of the quarry void to form a shallow valley landform).

The Management System will be subject to continuous review and revision. Any major revisions will be subject to prior approval by Natural Resources Wales.

1.1.1. ACTIVITIES

ASH will operate in accordance with the Waste Recovery Plan approved by Natural Resources Wales on 14 August 2023.

The permitted activities also include a soil substitutes and aggregate production facility. The equipment used will typically comprise of a single mobile crusher, a three way mobile screen and a vibrating table. A hydraulic excavator and a loading shovel may be used for loading and unloading materials. Treatment activities within the soil and aggregate processing facility will consist of sorting and crushing of the permitted wastes for the purpose of recovery. The treatment waste will be either used on site as part of the permanent deposit of waste activity for recovery or will be removed from site for use elsewhere.

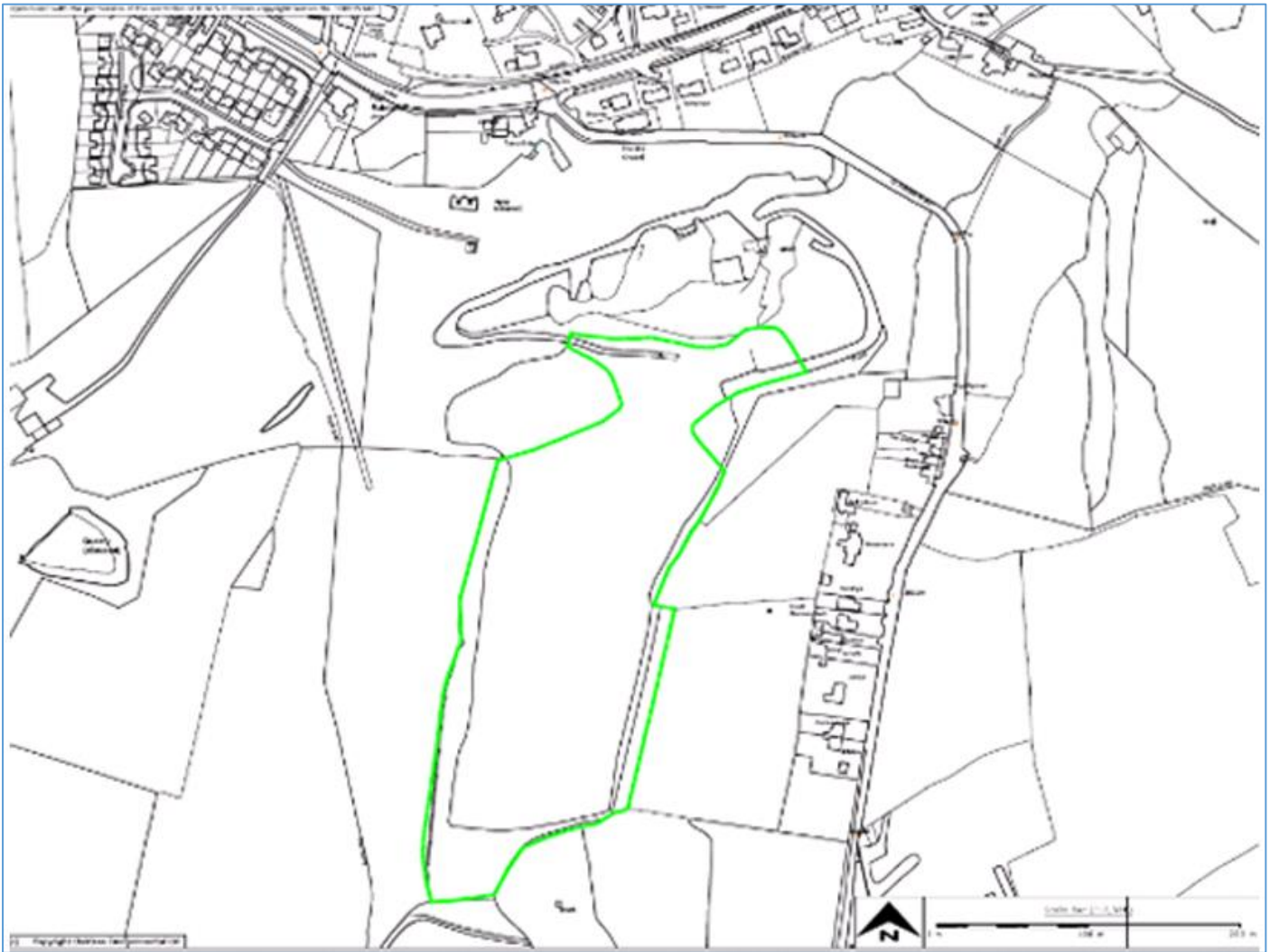
The total quantity of waste that can be accepted at the Site under the Environmental Permit is limited to no more than 200,000 tonnes a year.

Activities will fall under the following recovery or disposal codes:

- R3: Recycling/reclamation of organic substances which are not used as solvents
- R5: Recycling/reclamation of other inorganic materials
- R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

1.1.2. PERMIT AREA

The area which is the subject of the waste permit is outlined in Schedule 7 of the Environmental Permit and is replicated below. All references to the “Site” within this management system shall mean this area.



1.1.3. HOURS OF OPERATION

The site operates in accordance with the planning permission, where the hours of operation vary throughout the years so that the site is only operational during daylight hours. The Site will not be routinely open on Saturday's or public holidays, but on rare occasions maintenance activities may be carried out on the haul road or wheel wash facilities.

1.1.4. STAFFING AND MANAGEMENT

Adequate staff will be available on site to operate the facility. The Site will be staffed according to business demands, the amount of waste on site, the level of environmental risk and level of general activity. However, staff on Site at any one time may include a Site Manager, Compliance Officer or equivalent, Plant Operators and visiting drivers.

New employees will be given full induction training by site managerial staff or other appropriately qualified persons. The site managerial staff or other appropriately qualified persons will monitor the progress and assessment of competences of all staff.

1.1.5. FIT AND PROPER PERSONS

ASH is certified to the Competency Management System (CMS) - Energy & Utility Skills. This approval enables ASH to demonstrate technically competent management of permitted sites as a company rather than relying on individual CoTC holders.

In the absence of the site being certified to the CMS, technical competence will be carried out by a qualified Technically Competent Manager with a current and valid Continuing Competency certificate.

The company carries out frequent training and toolbox talks with staff and records are kept of all training under this System, the company's ISO 14001 Environmental Management System, ISO 45001 Health & Safety Management System and 9001 Quality Management System.

2. SITE LOCATION AND FACILITIES

2.1. SITE LOCATION

The site is located within Cambrian Quarry, Glyndwr Road, Gwernymynydd, Flintshire NGR: SJ 21456 62160 (Centre of site).

The Quarry lies 2.5 km southwest of Mold and 300 metres south of Gwernymynydd. The A494(T) Mold to Ruthin Road runs 200 metres to the north of the Quarry.

The closest residential properties to the Quarry are located on Glyndwr Road to the east and on the A494 to the north of the Quarry. The nearest properties to the Cambrian Quarry Void, which is the area that is being infilled and restored, are located on the western side of Glyndwr Road. There are 14 properties along this stretch of Glyndwr Road, lying between 80 metres and 125 metres from the eastern Quarry boundary. The intervening land slopes steeply upwards from Glyndwr Road to the Quarry boundary, rising by 20 – 40 metres.

2.2. BUILDINGS AND STORAGE AREA

2.2.1. BUILDINGS AND FACILITIES

A temporary office, weighbridge and wheel wash are to the north of the Quarry Void. Materials accepted at the quarry will either be deposited at the infilling face or if suitable for recycling within an appropriate recycling area.

2.2.2. EXTERNAL STORAGE

All processed and unprocessed wastes are stored externally within the quarry void. Any stockpiles awaiting processing shall be limited to a suitable height to prevent instability and the potential for windblown dusts.

2.3. SITE DRAINAGE

There are no significant watercourses near the site and there is unlikely to be significant interaction between surface water and groundwater other than within the quarry void itself. The site lies within the catchment of the River Alyn, with the nearest surface watercourse potentially receiving drainage from the site being approximately 1 km southeast of the site and the prevailing surface water drainage direction being eastwards. The impact to off-site surface water flow is expected to be 'low' and the significance expected to be 'none'.

The site will be infilled with inert material and consequently, risks to groundwater will be negligible.

2.4. GENERAL

2.4.1. VEHICLES, PLANT AND EQUIPMENT

The site will typically operate with a bulldozer to spread and compact the incoming waste. Where recycling occurs, it will necessitate the addition of other plant, such as an excavator, crusher and screener.

All vehicles, plant and equipment undergo regular maintenance as required.

2.4.2. ACCESS AND PARKING

The access to the site is via Glyndwr Road Shaw Lane Road, as shown in the map below (blue arrow shows the access point). The location for parking for visitors will be dependent on the weather conditions and the resultant impact on the haul road; where the conditions are wet and muddy, parking is advised behind the wheel wash (shown by the yellow triangle). During prolonged drier conditions, cars can park at the top of the haul road by the weighbridge office (shown by the blue triangle).



2.4.3. NOTICEBOARD AND SIGNAGE

A notice board is to be located at the entrance to the Site which displays relevant information, including the Environmental Permit number, Site operator, Site address, contact details and Natural Resources Wales contact details.

In addition, a number of health and safety notices are to be located on Site: see Section 5.

2.4.4. SITE SECURITY

The main entrance to the Site is securely padlocked closed when the site is unmanned. The Site is protected by a combination of fencing and barrier types.

2.4.5. WHEEL CLEANING

The site includes a HGV wheel wash in the event of mud or stone being present on the vehicle underside and wheels after visiting the site, significantly reducing the likelihood of carrying material onto the public highway. A road sweeper owned and operated by ASH is usually present during operational days.

Should the wheel wash and other measures prove to be ineffective, the Site Manager will consider closing the site to incoming waste until the issues are alleviated.

2.4.6. FUEL AND CHEMICAL STORAGE

Any fuel or chemical storage tanks and containers which are stored on Site will be contained within an appropriate bund.

3. SITE OPERATIONS

3.1. CHECKING IN & INSPECTING INCOMING WASTES LOADS

The overwhelming majority of waste brought to the site will be done so using ASH vehicles, therefore minimising risk dramatically. All waste to be brought to site will first be checked for its characterisation and waste assessment. A suitably competent person, either employed by ASH or a third party, will assess documentation such as site investigation reports, waste analyses, leachability tests and waste descriptions to ensure that only waste conforming to the permitted waste types and those detailed in the Waste Recovery Plan are accepted.

All waste delivered to the Site is to be visually assessed at the weighbridge and once delivered to the deposit area. If the waste delivered to Site is found to be contrary to the approved waste types, as per the Environmental Permit, it will be rejected.

If possible, it will be loaded back on to the same vehicle that deposited the load for immediate removal off-site.

3.2. REMOVING WASTES OFF-SITE

Where waste material is recycled, it will be done so in accordance with the WRAP Aggregates Protocol and will no longer be considered waste.

Where waste is removed from incoming loads (incidentals), it shall be recorded using standard waste transfer documentation and the records retained.

3.3. RECORD KEEPING

SITE DIARY

A site diary is to be held on Site to record site activities, compliance with the Environmental Permit and health and safety issues. The site diary is completed each operational day and be made available for the Natural Resources Wales officer to view during inspections of the site.

WASTE TRANSFER NOTES

For wastes that have been brought to Site waste transfer information must be generated. This is typically in the form of a Waste Transfer Note (WTN). The WTN can be kept electronically.

For repeated transfers, where the description of the waste and all the circumstances remain the same, a 'season ticket' can be used to cover all transfers, i.e. one note which can last up to 12 months.

WASTE RETURNS

Waste returns are required to be submitted to Natural Resources Wales for all wastes brought in and taken away from the Site. This is to be done in accordance with the Environmental Permit conditions.

ACCIDENT REPORTS

Health and safety incidents can lead to environmental harm; where a health & safety issue is observed, it may result in an accident report being filed and investigated. The accident report details the nature of the event, the location, date and time of the incident, details of the person(s) affected, description of the event, details of any injuries sustained, and the cause of the incident.

Completed accident forms are to be sent to the ASH Group Health & Safety Manager or a designated employee, who will assess the incident and determine whether further actions or prevention techniques are required.

4. ENVIRONMENTAL CONTROL

4.1. REGULATORY BODY

Natural Resources Wales will be the environmental regulatory body for the Site. The Site will be subject to inspections from the NRW to check the conformance to the Permit. NRW officers will be asked to sign in once they arrive at Site.

4.2. INTERNAL AUDITS

As well as the Site being covered under the company's CMS, the ASH Group Environmental Compliance Manager or their equivalent will carry out audits of the site; the frequency of these audits will be determined by the level of activity, the performance of the site and the perceived potential of environmental harm occurring. Site visits and checks are also regularly carried out by the ASH Group Health & Safety Manager. In addition, the ASH HSEQ Director is a current COTC holder and will regularly attend site.

These inspections are aimed at identifying any activities that are, or may, result in an environmental impact if appropriate control measures are not employed, whilst also identifying potential health & safety issues.

The results of these audits are discussed at either the next management meeting or immediately, depending on the severity, likelihood and impact. The Site management meetings frequency and nature is dependent on the performance of the site, number of incidents, number of actions from the previous meeting and availability of key personnel.

4.3. BREAKDOWNS AND SPILLAGES

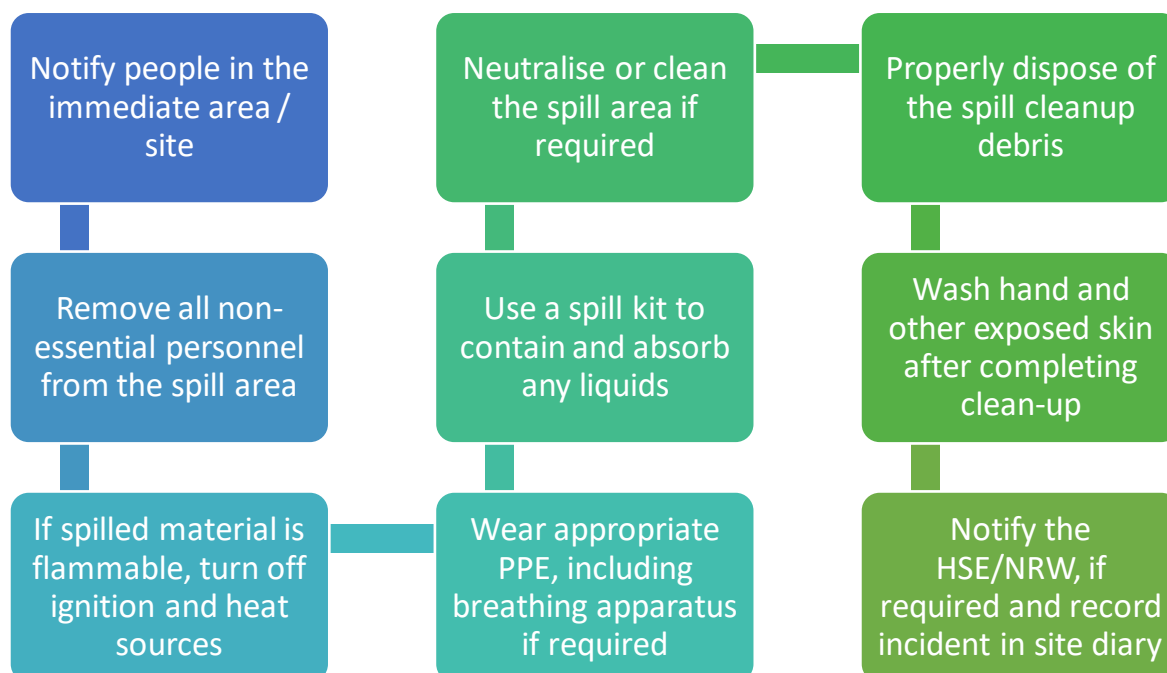
In the event of a breakdown of any plant, an alternative machine may be brought on site until it is repaired. If an alternative machine cannot be used and would result in an unacceptable environmental or health and safety risk, no further waste will be accepted or processed until suitable plant is obtained.

Minor repairs on plant and machinery are carried out on site with absorbents used to clear oil or fuel spillages. All other operations on site can continue as normal.

Any spillages of fuel will be cleared immediately by depositing sand or absorbents on the affected area. The sand or absorbents will be placed in an appropriate container to be taken to a suitably licensed site for disposal.

If any other spills occur, a spill containment kit (absorbent pads, booms or granules) will be used to prevent further spillage and the contaminated absorbents placed in an appropriate container to be taken to a suitably licensed site for disposal.

The general procedure to be used following a spill is as shown below.



4.4. CONTROL OF DUST, MUD AND DEBRIS

As described in Section 2, the nature of the wastes handled at the Site are unlikely to result in excess dust, mud or debris. Nonetheless, should there be any spillages or residues of dust, mud and debris at the site, there is a wheel wash facility or a road sweeper that can be used to ensure it is not tracked off the Site by road traffic or through other means, e.g. high winds.

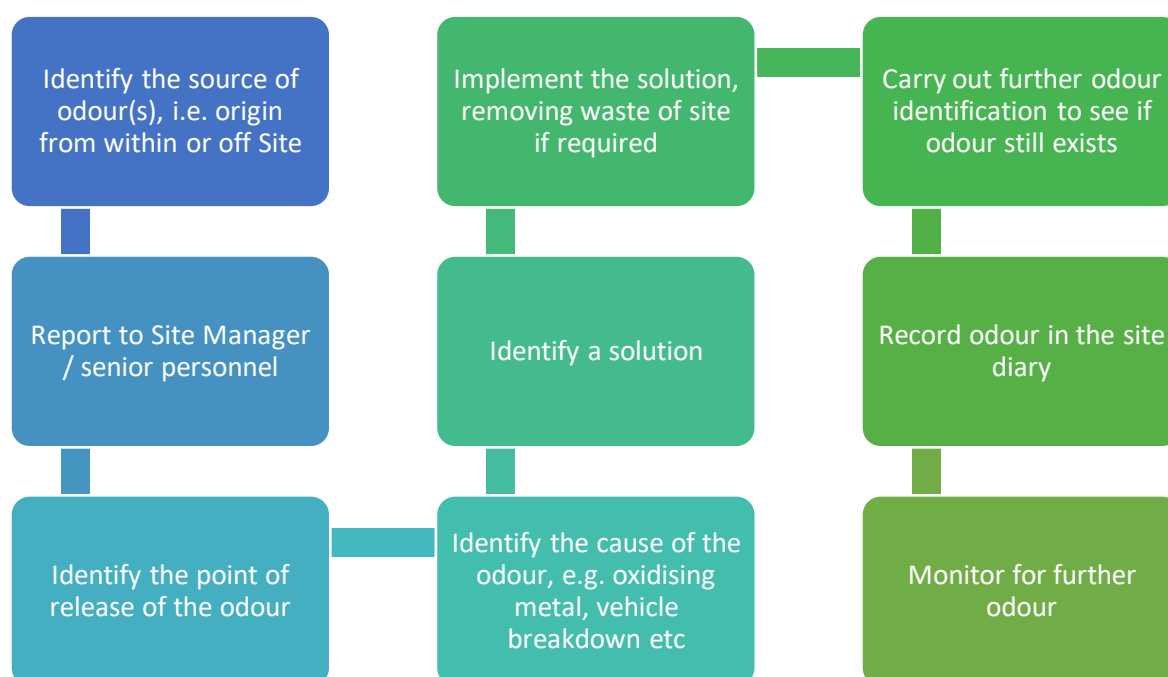
Should any spillages or incidents occur on Site which would result in mud, dust or other residues being tracked off site in unacceptable quantities, no vehicles will be allowed out of the Site until the spillage or incident is cleaned up, unless there is no risk posed by the movement.

All Site surfaces are inspected daily when the Site is in operation.

The Site will operate in accordance with the approved Dust Management Plan.

4.5. CONTROL OF ODOURS

The nature of the waste material being brought to site mean it is highly unlikely create odours. However, odour monitoring shall be monitored daily and the results of the monitoring shall be recorded in the site diary (see Section **Error! Reference source not found.**). If an offensive odour is noticed, the following process shall be followed:



4.6. LITTER MONITORING

Although unlikely given the nature of waste material being brought to site, the perimeter of the Site is checked daily for any instances of, or the potential for, litter escaping from the Site. There are fences around the perimeter which prevent litter and wastes escaping to neighbouring businesses.

All spillages of waste and windblown litter are recorded in the site diary and cleared by the end of the working day in which they occur.

4.7. PESTS, BIRDS AND VERMIN CONTROL

The Site activities are highly unlikely to result in presence of pests, vermin and other scavengers. Regardless, this will be monitored and the results of the inspection noted in the site diary.

4.8. NOISE AND VIBRATION CONTROL

Site operations are unlikely to cause excessive amounts of noise and/or vibration. All site operations are carried out to minimise the impact on nearby premises with regard to noise and vibration. Noise management is detailed in the approved Noise and Vibration Management Plan.

4.9. INCLEMENTAL WEATHER

In the event of inclemental weather conditions, consideration will be given as to whether the Site needs to be temporarily closed to prevent environmental pollution, nuisance or a safety hazard. In such cases, it will be recorded within the site diary.

4.10. FIRE

The Site operators will be trained in how to deal with any fires on Site, though it is not foreseeable given the nature of the waste materials (non-combustible) and limited plant and activity on site.

4.11. COMPLAINTS

In the event of any complaints, made either by site staff or non-ASH personnel, the nature of the complaint shall be noted in the site diary and investigated accordingly. Depending on the nature of the complaint, the NRW office, HSE and/or local authority may be notified.

4.12. TRAINING

Site staff may receive training, with the exact training requirements being dependent on their role within ASH. The typical training that may be provided includes:

- Induction
- Plant operations (fixed and mobile)
- Banksman or reversing assistant
- Fire warden
- First aid at work
- Manual handling
- Fire drill

4.13. CONTINGENCY PLANS

In the event of an emergency or circumstances which close the site or lead to fewer staff being available, no further deliveries of waste shall be accepted until such time that normal operations resume. They will be directed to a suitably licenced facility.

If required, ASH will either transfer employees from its other sites or use the services of an approved agency.

In the event of a prolonged and relevant situation, Natural Resources Wales will be informed, e.g. enforced closure of the site for more than five working days resulting from an environmental issue.

5. HEALTH & SAFETY AND EMERGENCY PROCEDURES

5.1. SITE HEALTH & SAFETY

The health and safety of all staff and visitors is the main priority of the site. All site staff will be responsible for their own safety in the first instance, and it is the responsibility of ASH to ensure that the Site and facilities are safe for all staff and visitors.

The site has in place a 5mph speed restriction, with signs in place to act as a reminder. If a member of staff or visitor is seen to be using excessive speed or reckless driving, they will be warned and, if necessary, banned from the site.

All site staff and visitors must wear high visibility clothing in operational areas. There is signage located on site at the point at which PPE requirements must be adhered to.

All site staff and visitors must obey all signs and follow any instructions displayed or communicated from the Site Manager / senior personnel.

All accidents, incidents, near misses and dangerous occurrences must be reported to the Site Manager or a senior member of staff immediately. All personal injuries, or risks to personnel, are recorded in the accident/incident forms available at the Site Office (see Section **Error! Reference source not found.** for further information).

First Aid facilities are available at the Site Weighbridge office.

If any site staff, representative of ASH or visitor to the site is acting without due regard to health & safety, they may be banned from entering the site or have disciplinary action taken against them.

5.2. ACCIDENT MANAGEMENT PLAN

ASH Waste Services operates a UKAS-certified Health and Safety Management System. This covers:

- Comprehensive site-specific risk assessments and method statements/safe systems of work
- An accident investigation procedure (ASH-HSM-PD-005)
- A procedure for carrying out COSHH assessments (ASH-HSM-PD001)
- A procedure for assessing First Aid Arrangements (ASH-HSM-PD006)
- An incident reporting form (ASH-HSM-ID-08)

The Health and Safety Management System certification is maintained by ASH. It is audited annually by external professionals.

5.2.1. FLOODING

In the unlikely event of the site flooding, no deliveries of waste into the site will be accepted.

-----End of Environmental Management System-----