Environmental Management Plan Land

WSP | GBR North Tyne Crossing

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For use

WSP

Document Control

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Abbreviations

CPP	Construction Phase Plan
CPT	Cone Penetration Test
DTM	Digital terrain model
EMP	Environmental Management Plan
LAT	Lowest Astronomical Tide
MSL	Mean Sea Level
NWLtd	Northumbrian Water Ltd
PoT	Port of Tyne
HRA	Habitat Regulation Assessment
TBT	Tool Box Talk
ECOW	Ecological Clerck of Works
EA	Environment Agency

1. Environmental Management Plan

1.1 Document Introduction

Fugro is fully committed to quality, safety and environmental best practice. The Company operates an integrated business management system which is certified to ISO 9001, OHSAS 18001, ISO 14001 and, where applicable ISO/IEC 17025. Fugro Health, Safety, Security, Environment and Quality Policy is displayed on site.

This Environmental Management Plan (EMP) along with its associated documents ensures that the environmental impacts resulting from company activities are identified, managed and mitigated so the impact on the environment is kept to a minimum.

This document will describe the predicted aspects and impacts of the project and give information on how these will be minimised through employee training, engineering and procedural controls.

This document is to cover the land works only. These operations will be undertaken by Geotechnical Engineering Ltd and will be supervised by Fugro.

A separate EMP will be submitted for marine works, these works are to be undertaken by Fugro.

A Construction Phase Plan (CPP) has also been produced for the works. The CPP establishes specific health and safety, environmental, quality, and other requirements of the project and will be regularly updated for the duration of the ground investigation works.

2. Project Description

2.1 Project Description and Programme Details

Fugro have been contracted by WSP, to conduct an onshore ground investigation of the purposed land for re-routing of a 275kV Overhead Powerline crossing beneath the River Tyne.

The proposed pipeline alignment starts from the North bank of the River Tyne and emerges on the South bank, crossing beneath the river in-between.

The onshore ground investigation works form part of Work Package 2, which is detailed below. Work Packages 1 and 3 cover the marine site investigations and will be covered by a separate EMP.

2.1.1 Work Package 2 – Land Geotechnical Site Investigation

The land site investigation will be completed by Fugro's subcontractor, Geotechnical Engineering Ltd. and will consist of:

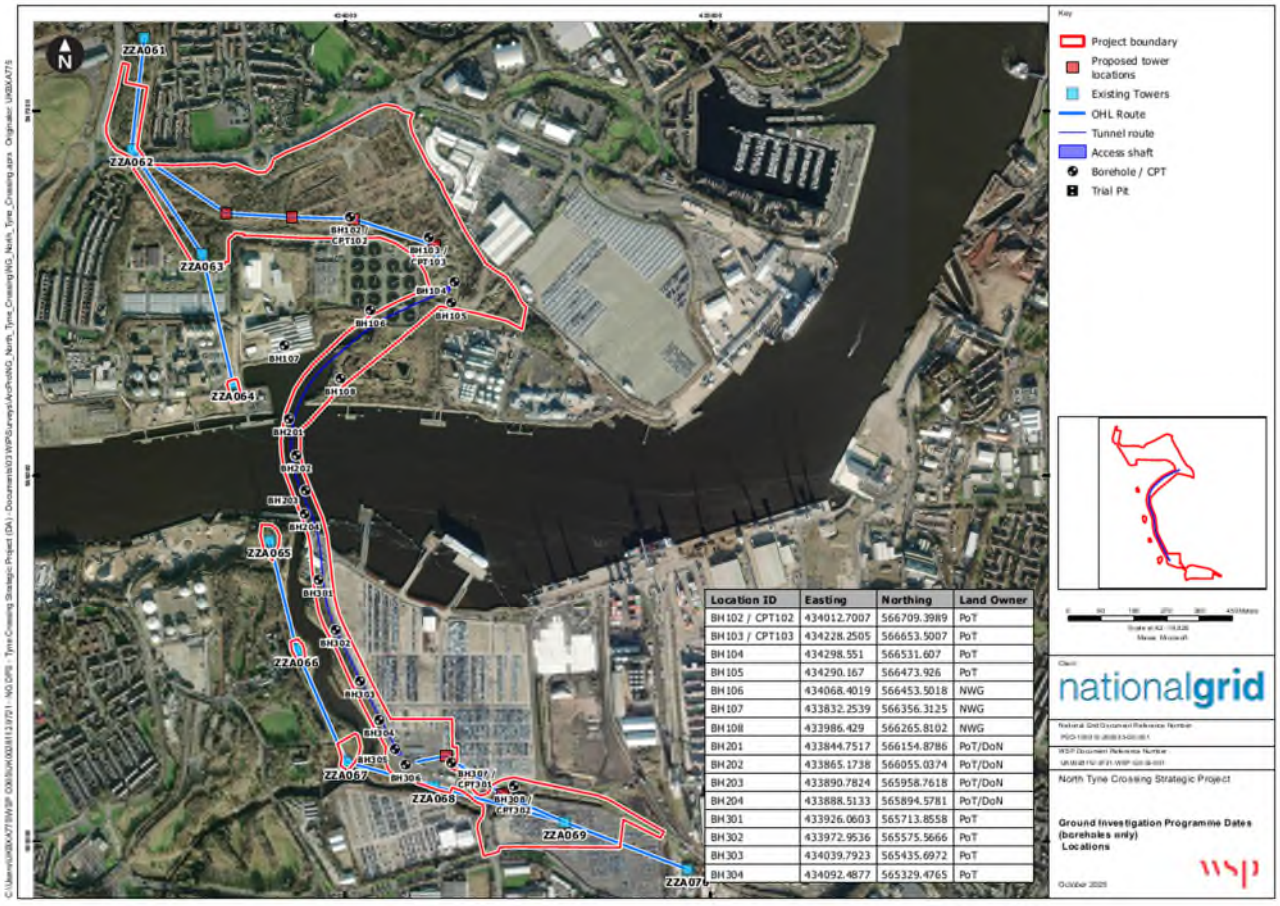
- 3no Dynamic /Rotary boreholes between 25m bgl and 45m bgl with Cone Penetration Tests (CPT) completed within 1m of BH to 20m on the North bank.
- 4no Dynamic /Rotary boreholes between 35m bgl and 45m bgl with Cone Penetration Tests (CPT) completed within 1m of BH to 20m on the South bank.
- 21no Boreholes onshore will be installed with either a single or dual monitoring pipes.
- In-situ testing
- Standard Penetration Testing (SPT)
- Screening for volatile vapours using a Photo-Ionisation Detector (PID)
- Chemical laboratory testing including waste acceptance criteria (WAC) testing
- AGS data, Esdat / EQuiS & HWOL data

Key Work Package 2 land operations include the following:

- Planning operations prior to site mobilisation.
- Mobilisation of site compounds/ offloading of plant & equipment
- Mobilisation of dill rigs and associated spreads
- Lifting operations
- Mobilisation of CPT truck
- Towing to work site and subsequent moving between borehole locations.
- Drilling, sampling and wireline geophysical operations at each borehole.
- Logging of borehole.
- Completion of geotechnical in-situ testing as required.
- Fuelling and bunkering of plant
- Provision of geoenvironmental testing
- Sample handling on site – transfer of geotechnical samples to Fugro
- Demobilisation of site including plant & equipment

2.2 Site Location

The nearshore boreholes are situated in the Port of Tyne and spilt between the North and South bank of the river. The proposed North bank shaft will be located at Hayhole Road, North Shields NE29 6DW (433951E, 566698N) and the proposed South bank shaft will be located at Port of Tyne at Tyne Dock, South Shields NE34 9PT (434249E, 565068N).



Location ID	Easting	Northing	Land Owner
BH102 / CPT102	434012.7007	566709.3989	PoT
BH103 / CPT103	434228.2505	566653.5007	PoT
BH104	434298.551	566531.607	PoT
BH105	434290.167	566473.926	PoT
BH106	434068.4019	566453.5018	NWG
BH107	433832.2539	566356.3125	NWG
BH108	433986.429	566265.8102	NWG
BH201	433844.7517	566154.8786	PoT/DoN
BH202	433865.1738	566055.0374	PoT/DoN
BH203	433890.7824	565958.7618	PoT/DoN
BH204	433888.5133	565894.5781	PoT/DoN
BH301	433926.0603	565713.8558	PoT
BH302	433972.9536	565575.5666	PoT
BH303	434039.7923	565435.6972	PoT
BH304	434092.4877	565329.4765	PoT

Figure 1: overview of whole project site

GEL will mobilise a main site compound on the North side of the river which will be placed within NWL land at the former Chemson Works. This will include storage areas, welfare, office space, logging containers, etc contained within a Heras fenced compound.

A smaller satellite compound will be set up within the Port of Tyne private road utilising traffic management to be installed, providing welfare facilities and a small laydown area.

Site rules will be displayed on board the JUB office / mess and within site offices/welfare units at the land compounds with additional copies held onshore by the Project Manager.

2.3 Programme

Key programme dates are:

Mobilisation of land spread (north and south)	05/01/26
Completion of North site investigation	11/02/26
Completion of South site investigation	28/01/26
Demobilisation from site (all works)	11/02/26
Project dates may change as the Project Programme updates throughout site works.	

Land operations will take place between weekdays Monday to Friday 0800-1800, with 1hr lunch break to be taken between 12:00hrs and 14:00hrs. Travel will take place on Monday AM with arrival at site at 10:00hrs and leaving site Friday PM 15:00 hrs. In the event of programme slippage, weekend working may be possible.

3. Environmental Responsibility and Management

Day to day site responsibility for the implementation of this document rests with the Fugro Site Agent whose specific responsibilities include:

- development of method statements and risk assessments as required, utilising input from the site inspections
- carrying out site inspections.
- ensuring that all persons working on site are inducted with respect to this document
- ensuring that all staff are briefed with regards to specific environmental risks, impacts and mitigation measures at each works location
- ensuring work is undertaken in accordance with company procedures
- WSP ECOW representative to be present for pre-start of the works and during the works as required

Additional roles and responsibilities are outlined in the table below.

Role	Responsibilities
Project Manager	• Overall responsibility for delivery of the project • Development of method statements and risk assessments • Ensuring requirements for operations at the site are received from stakeholders and including within project documentation • Ensuring contractors are working in accordance with this document.
Site Manager/Agent	• Carrying out site inspections • Ensuring that all persons working on site are inducted with respect to this document • Ensuring that all staff are briefed with regards to specific environmental risks, impacts and mitigation measures at each works location • Ensuring work is undertaken in accordance with company procedures • Reporting of any environmental incidents to WSP and National Grid and upwards to relevant authorities
Ecological Clerk of Works	• Monitoring of operations • Attendance at site prior to works and during works
Site Operatives	• Operating as per the method statements and risk assessments • Reporting of any environmental incidents on site to the Site Manager

4. Potential Environmental Impacts and Methods for Control / Elimination

We have identified the following potential impacts as being relevant to this project:

- Waste management
- Water resources
- Emissions to air and air quality
- Contaminated land
- Hazardous material usage and storage
- Spills (to land and water)
- Archaeology and heritage (if present)
- Noise and vibration
- Light
- Housekeeping

These potential impacts are created by the following project activities as listed below:

- Site compound
- Land drilling works

Site Security

- North Site access to the site and working areas is via a security gate controlled by NWL. It is therefore not deemed necessary for a dedicated security guard at the NWL site locations, during or outside working hours compound out of normal working hours, overnight and at weekends.
- Outside of working hours, all fence gates will be locked along with all plant and equipment.
- South Site access to the work areas within the south site is via security gate controlled by Port of Tyne and another by Nissan. It is therefore not deemed necessary for a dedicated security guard at the south site locations, during or outside working hours.
- Outside of working hours, all fence gates will be locked along with all plant and equipment.

4.1 Waste management

Fugro recognise the following waste hierarchy:

- prevention or minimisation of waste
- reuse
- recovery (recycling and composting)
- energy recovery from waste

- disposal

Should works come into contact with asbestos, work shall cease immediately, and the client shall be informed. The sample in which the asbestos has been identified will be doubled bagged and isolated in the dedicated waste bin. All PPE will be disposed of in the designated waste containers on site to be deposited into the correct waste stream.

Fugro shall comply with the requirements on all 'holders' of waste under the Environmental Protection (Duty of Care) Regs 1991:

- contain it securely to avoid escape
- transfer it only to someone with authority to take it (i.e. registered carrier/ licensed waste manager)
- keep appropriate records using transfer notes

Fugro will:

- look for ways of creating less waste in the first place
- look for more efficient processes to reduce waste
- practice daily housekeeping to minimise litter
- recover useable materials
- dispose of contaminated excavation spoil by licensed carriers
- segregate different types of waste to enable appropriate disposal
- employ skips for waste arisings (refer contaminated land, page 10)

The main waste streams are detailed below:

- General waste from site compound/ welfare
- Soil/ rock from drill cuttings
- Concrete and Tarmac from breaking through hard standing for trial and inspection pits
- Excess bentonite
- Excess cement/concrete
- Waste water/flush
- Excess backfill material
- General waste

4.1.1 Identification and Classification of Waste

There are two main classifications of waste, hazardous and non-hazardous. It is important not to mix hazardous / special and non-hazardous waste as contamination would mean that the whole lot becomes classed as hazardous waste which is more expensive to dispose of and requires increased care during storage.

The classification of waste into hazardous / special and non-hazardous has been completed by the European Union and is called the European Waste Catalogue. This catalogue describes

the waste and allocates it with a six-digit code, hazardous waste is also denoted with an asterisk.

The land works are taking place on Yellow sites as per BDA guidance. All spoil and flush produced during the land works will be tested to ensure it is classified correctly and disposed of via the correct stream.

4.1.2 Common Wastes Produced by Fugro GB Ltd

Table 3.2: Common Wastes

Waste Name	Hazardous / Non-Hazardous	Storage Requirements	Numbers	Disposal Method
Waste Hydraulic Oil – Mineral / Synthetic	Hazardous	Double bunded tank	13 01 13*	Recycled using licensed waste contractor,
Waste biodegradable hydraulic oil	Hazardous		13 01 12*	
Oily clean up rags	Hazardous	Single skinned secure bins	15 02 03*	Disposed of through licensed waste contractor
Used oil filters	Hazardous	Single skinned secure bins	16 01 07*	Disposed of through licensed waste contractor
Sewage wastes	Hazardous	Secure	20 03 04*	Collection from Portaloo/welfare by licensed waste contractor
Waste fuel oil and diesel	Hazardous	Double bunded tank	13 07 01*	Disposed of through licensed waste contractor
Paper, Cardboard & Packaging	Non – Hazardous	Secure skip with lid	20 01 01	Separated & disposed of as municipal waste – can be recycled
Wooden Packaging	Non – Hazardous	Secure skip with lid	20 01 37	Separated & disposed of as municipal waste – can be recycled
Plastic Packaging	Non – Hazardous	Secure skip with lid	20 01 39	Disposed of as municipal waste using a licensed waste contractor
Mixed non-hazardous waste	Non – Hazardous	Secure skip with lid	20 03 01	Disposed of as municipal waste using a licensed waste contractor
Food waste	Non – Hazardous	Secure bin or skip with lid	20 01 08	Disposed of as municipal waste using a licensed waste contractor
Concrete	Non – Hazardous Inert	Covered skip or double bagged	17 01 01	Disposed of as municipal waste using a licensed waste contractor
Wood (Clean)	Non – Hazardous	Covered Skip	17 02 01	Disposed of as municipal waste using a licensed waste contractor
Soil and Stones Contaminated	Hazardous	Covered skip or double bagged	17 05 03	Dispose of as hazardous waste using a licensed waste contractor
Soil and Stones Clean	Non – Hazardous Inert	Covered skip or double bagged	17 05 04	Disposed of as municipal waste using a licensed waste contractor

Waste Name	Hazardous / Non-Hazardous	Storage Requirements	Numbers	Disposal Method
Fresh water drilling muds and wastes	Non – Hazardous	IBC	01 05 04	Disposed of as municipal waste using a licensed waste contractor
Oil containing drilling muds and wastes	Hazardous	Bunded IBC	01 05 05	Dispose of as hazardous waste using a licensed waste contractor
Drilling muds and other drilling wastes containing dangerous substances	Hazardous	Bunded IBC	01 05 06	Dispose of as hazardous waste using a licensed waste contractor
Hazardous liquid wastes to be treated off site	Hazardous	Bunded IBC	16 10 01	Dispose of as hazardous waste using a licensed waste contractor
Aerosol cans inc residue	Hazardous	Vented, secure bin	16 05 04	Disposed of through licensed waste contractor

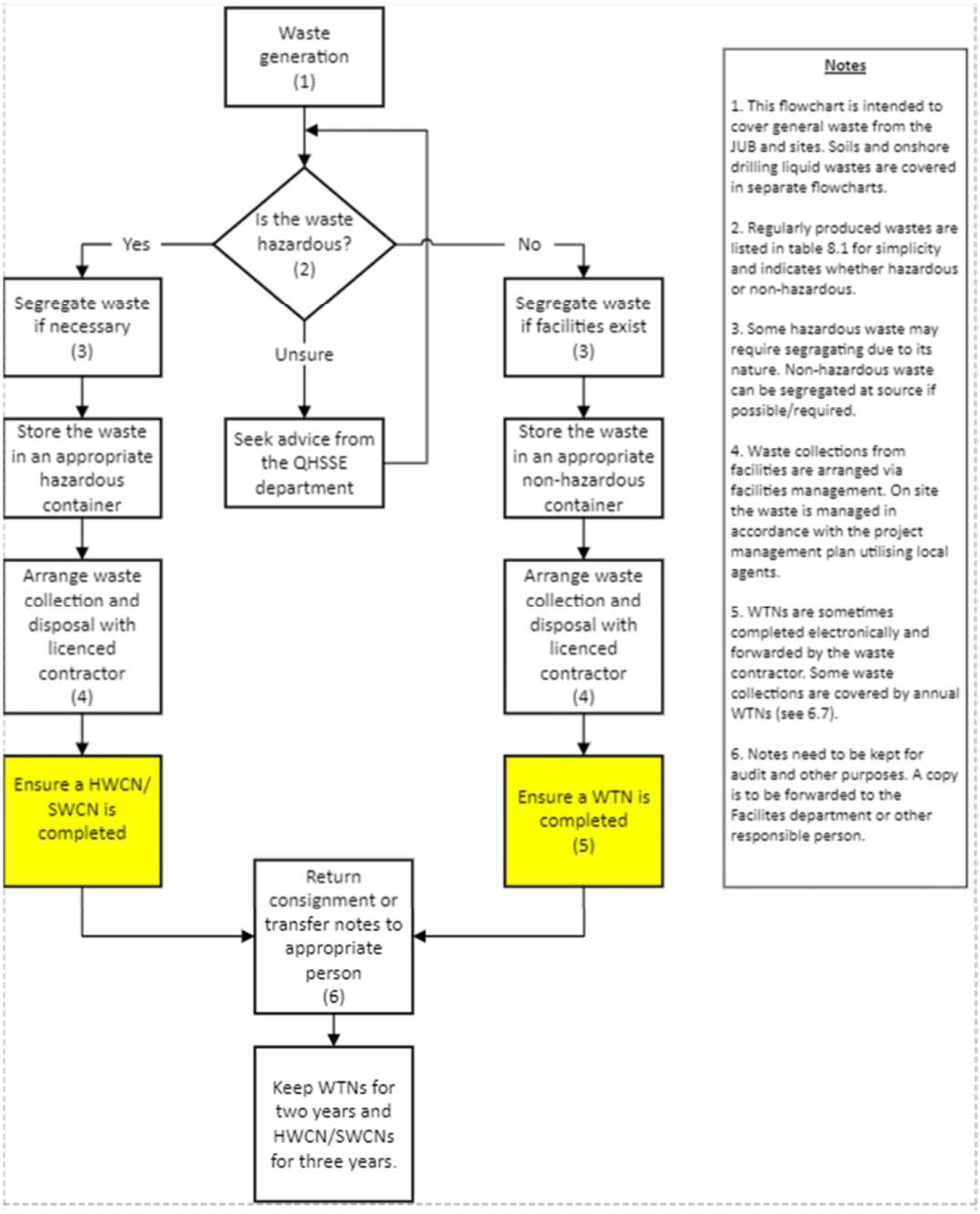
If the waste being disposed of is not included in this table, Fugro will call the QHSSE department for further information before disposing of the waste.

4.1.3 Waste Collection and Streaming

Waste will be collected and separated in secure tamper proof containers. It is essential that wastes are not mixed as this will result in higher waste disposal costs.

Waste will be segregated into:

Metal
Wood
Plastic
Cardboard and paper
General waste – Non-hazardous
General waste – Hazardous



4.1.4 Waste Storage

Waste will be stored securely to avoid escape and prosecution under the duty of care regulations which state that the waste producer is responsible for the waste until it reaches its final disposal destination. The waste will be kept secure to prevent releases through vandalism and unforeseen circumstances such as unusual weather conditions.

Drill flush from the land works will also be stored in IBCs for disposal.

Skips will be checked for holes and lined or covered as necessary.

Skips and IBCs will include signs to denote their contents and point of contact.

IBC's to be kept within a secured compound on a bund with 110% capacity (pop-up bunds acceptable). IBC lid and tap to be secured when not in use. IBCs to be checked upon receipt to ensure they're not grossly contaminated from previous use. Bunds to be inspected regularly and rainwater build up should be removed to the IBC.

4.1.5 Waste Disposal

For the duration of this contract waste that is produced by Fugro GB will be transferred to and disposed of by an approved waste contractor selected for the project. This will include waste that is created on land which will be transported from the individual borehole locations to the north or south compounds. Waste will then be collected and disposed of as per the relevant local waste disposal regulations by a licences waste contractor.

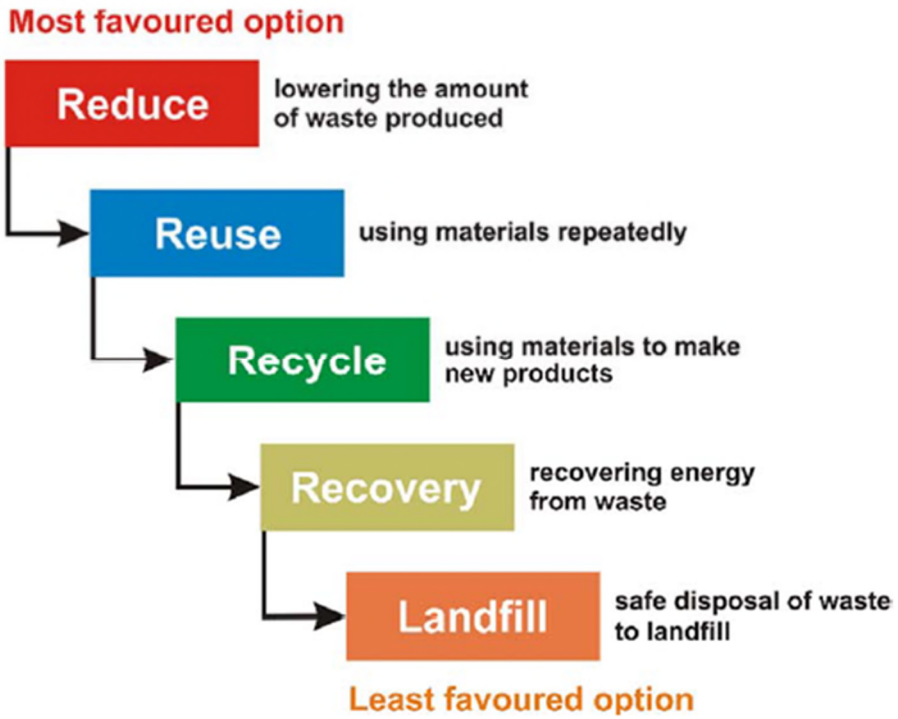
For this waste transfer process between Fugro GB and the licensed contractor. a waste transfer note (UK-QSE-FO-054 Waste Transfer Note) has been created to track waste and will be used for every waste transfer event.

A record of the waste transfer detailing the type of waste to be disposed of, location of the waste disposal, details of the licensed waste contractor need to be kept. This is usually a waste consignment note for hazardous waste and a waste transfer note for non-hazardous waste. On completion of this record, it now needs to be filed for at least 2 years. A copy of the transfer / consignment note will also be forwarded to head office.

As part of any audits completed by the Fugro HSSEQ advisor, waste storage will be checked. Due diligence will be paid to confirming the details of any waste contractor to ensure duty of care is fulfilled.

4.1.6 Waste Minimisation

Waste management shall follow the waste hierarchy to ensure waste is minimised as far as reasonably practical.



4.1.6.1 Reduction

By using less material in design and manufacture. Keeping products for longer. Using less hazardous materials

4.1.6.2 Reuse

If surplus material can be used in the works, they are classified as materials which have been re-used. If they are surplus to requirements and need to be removed from site and they can be removed and used in their present form, they can be removed from site for reuse.

4.1.6.3 Recycle

If the surplus material cannot be re-used in its present form could be used in a different form it is sent for recycling.

4.1.6.4 Recovery

Incineration with energy recovery, gasification and pyrolysis which produce energy (fuels, heat, and power) and materials from waste; some backfilling.

4.1.6.5 Landfill

If either of the above cannot be satisfied, then the only option left is to send the surplus and waste material to landfill. This will always be the last resort.

4.2 Releases to Water

No borehole arisings or run off resulting from the works will be allowed to enter controlled waters or gullies. All water (flush) including run-off produced during drilling operations will be captured using bunds/sandbags and recirculated. A wet vac will be available for capturing any water/flush that escapes beyond the sandbags. Possible drains on the site will be identified so that any risk of flush entering them can be mitigated. If required, a gully cover can be utilised. All flush and a polymer (pure-bore) used by drilling rigs is ecological friendly

Fuelling of plant will take place with spill kits present to catch any drips/spills. The method of refuelling will also be identified to ensure as low a risk as possible of spill (e.g. dedicated refuelling nozzle/gun, funnels for jerry cans, etc). All re-fuelling operations will be kept to a minimum and will take place at least 10m away from the nearest watercourse. However, due to the drilling location, BH107 being within 10m of the watercourse re-fuelling operations will be carried out to industry best practice, which include the availability spill kits, the area will be sufficiently bunded off and on an impermeable surface. The Environmental Agency (EA) flood risk maps indicate that the site is not at risk from flooding from rivers or the sea.

4.3 Emissions to Air

No ozone depleting substances shall be used. No incineration and no burning of waste or other material/s shall be undertaken on site, at any time.

Fugro will:

- practice good vehicle and machine maintenance to help keep equipment running efficiently
- all vehicles and generators will be turned off when not in use to reduce exhaust emissions
- employees will turn off equipment when not in use
- damp down any dust arising from the normal course of activities
- make an on-site visual appraisal at each location and site exhausts away from operators
- observe site speed limits

4.4 Nuisance (EPA Part III) Fumes and Dust

Fumes emitted from drilling plant - a visual, on-site appraisal will be made at each location and exhausts sited away from operators.

Dust emitted from road saws, concrete coring or breaking out- a visual, on-site appraisal will be made at each location and mitigation actioned if required, such as dust suppression through water application, windbreak barriers / fencing and reduced traffic speed where required.

Any dust arising from the normal course of activities shall be damped down. Road saws used for breaking through hard standing will have water feeds onto their blades to reduce dust.

Dust will be monitored closely on the Nissan site to prevent any impact on the Nissan operations.

4.5 Contaminated Land

Contaminated land concerns relate to direct harm to humans, flora & fauna, the spread via ground & surface water, loss of amenity and clean-up costs.

All arisings from boreholes shall be disposed of at licensed facilities. Clean spoil, construction waste and domestic waste from the welfare facilities shall be stored in on site skips.

If, while carrying out the works, contaminated material is found or suspected, the material shall be stored on site in covered skips until contamination testing has been carried out and disposed of at an appropriate licensed facility. All material shall be kept on site in either plastic spoil bags or standard skips for subsequent disposal. The drilling area shall be suitably protected to avoid spoil contaminating the ground surface or nearby watercourses.

Two skips shall be provided on site to segregate clean and contaminated soil.

Oils / hazardous materials or impregnated rags shall be stored and disposed of separately. A specialist contractor shall be employed to manage such waste.

Where any significant visual or olfactory contamination is discovered, works will cease so that the material can be contained and additional mitigation will be put in place, once the contaminated material has been identified, the contaminant type, and after assessing the potential risks, and complying with relevant regulations. Any removed material will be collected and stored appropriately.

4.6 Usage and Storage of Hazardous Materials

Fugro anticipate the use / storage of oil (in insignificant quantities), lubricants for diesel engines, cement, bentonite, diesel fuel for drill rigs and generators. Solvent use is not foreseen.

Fugro will:

- store appropriately all hazardous material subject to COSHH regulation, along with relevant COSHH / MSDS data, to control the risk of exposure (e.g. COSHH cabinet)
- employ bunds and drip trays as appropriate
- hazardous material will be segregated
- segregation of flammable materials from sources of ignition or other flammable items

Fugro will not:

- put any hazardous material down drains or in watercourses

A list of the Hazardous materials will be kept on site at the main compound for reference.

COSHH access will be controlled by the Site Agent.

4.7 Spills

All spills/environmental incidents will be reported to WSP/NG.

Fugro will:

- maintain and employ spill kits appropriate to the nature of chemical or potentially harmful substance in use
- maintain and employ spill kits appropriate for use on both land and water, where applicable
- maintain and employ spill kits in sufficient quantities for the works undertaken
- train key personnel in their use
- employ drip trays or other appropriate ground protection, under rigs
- consider such in any risk assessments prepared

In the event of a spill the responder shall take immediate action:

- ensure their own safety (at all times minimise exposure to spill. Injuries may occur if spill clean-up is beyond responder's capabilities)
- identify the nature of the spill (if spill material is flammable, eliminate sources of ignition)
- assess the spill - in a spill emergency, activate alarms and evacuate area
- assess and employ appropriate PPE (Personal Protective Equipment)
- assess whether spill kits are compatible and appropriate to the nature of the spill
- contain the spill (plug storm drains, sink drains etc, surround the perimeter of the spill with absorbent pads, absorbent granules, booms etc)
- stop the source of the spill (approach the spill from upwind, upright any containers or roll them so any hole's face upward, if possible, move any container/s to a less threatening location, close any valves)
- cover spills of any hazardous dust or powder to protect against wind
- refer to MSDS (Material Safety Data Sheets) and COSHH assessment
- isolate area (cordon off area to control people/traffic as appropriate)
- notify if spill is likely to cause an adverse effect (describe nature, location, size, source).
- begin clean up
- dispose of waste correctly
- record / report incident if appropriate
- re-stock spill protection

Spill kits will be located at the compounds and individual borehole/trial pit locations (dedicated stations mobile kits in vehicles). Kits will include oil absorbent pads, granules, gloves and bags. Use of these will be highlighted in the induction and regular Toolbox Talks (TBTs.)

Toolbox Talks will be delivered at the beginning of each shift and prior to any significant change in the tasks planned for the shift, discussing the work to be undertaken, the risks and the

methodology to be used. As part of the Fugro Safety Leadership Programme all employees are encouraged to lead these talks under the supervision of the Project Manager and Site Manager.

4.8 Archaeology, Palaeoecology and Heritage

Should works come into contact with archaeological or palaeoecological material, work shall cease immediately, and the client shall be informed.

4.9 Noise and Vibration

Fugro will:

- practice good vehicle and machine maintenance to help keep equipment running efficiently to minimise associated noise & vibration
- ensure site(s) are hoarded (with flexible hoardings) and hours of work limited
- employ acoustic hoardings where appropriate and practicable, to minimise noise as per the HRA (per section 4.12).
- seek to minimise noise in general emitted from the site and employ practicable means in the containment of noise and vibration
- ensure works take place only during working hours
- use of breakers/dynamic hammer only when necessary

The main noise emitting plant/works are detailed below:

- Land Pioneer drill rigs
- JCB
- Telehandler
- Electrical generators for compounds

4.10 Light

The main compound in the north shall have lighting installed for 24/7 illumination and allowing security to adequately see.

Lighting will be reviewed at each work location and mobile lighting installed as required.

Fugro will not:

- Utilise portable lighting equipment that does, or has the potential to, cause light pollution

4.11 Housekeeping

Daily housekeeping shall be practiced to minimise litter.

Refer to Waste Management, Hazardous Materials and Spills sections above.

4.12 Ecology, Wildlife & Conservation

Fugro recognise the European Protected Species listing and shall comply with the requirements of the Wildlife & Countryside Act and relevant, associated wildlife conservation legislation.

Part of the northern site is a Local Wildlife Site.

A Habitats Regulation Assessment (HRA) Appropriate Assessment has been produced and was issued to Natural England and the Local Planning Authorities in December 2025 which details mitigation for a number of the borehole's locations. Fugro will cover the specific requirements and mitigation outlined in the HRA.

Turnstone bird, a qualifying bird species of Northumbria Coast SPA and Ramsar sites, have been recorded in the area. Impacts to this species is possible from the drilling locations BH107, BH108, BH301, BH302 and BH304. In order to comply with the mitigation proposed in the HRA, acoustic panels and visual screens will be installed at all drilling locations as set out above. Pollution prevention methods discussed above will also be implemented

The wetlands area around location BH108 is managed by the Northumberland Wildlife Trust. During the works there will be an ecologist present to review the works prior to installing bog boards at the access point to BH108.



Figure 4.1: BH107 and BH108 Locations NWL requiring HRA Mitigation

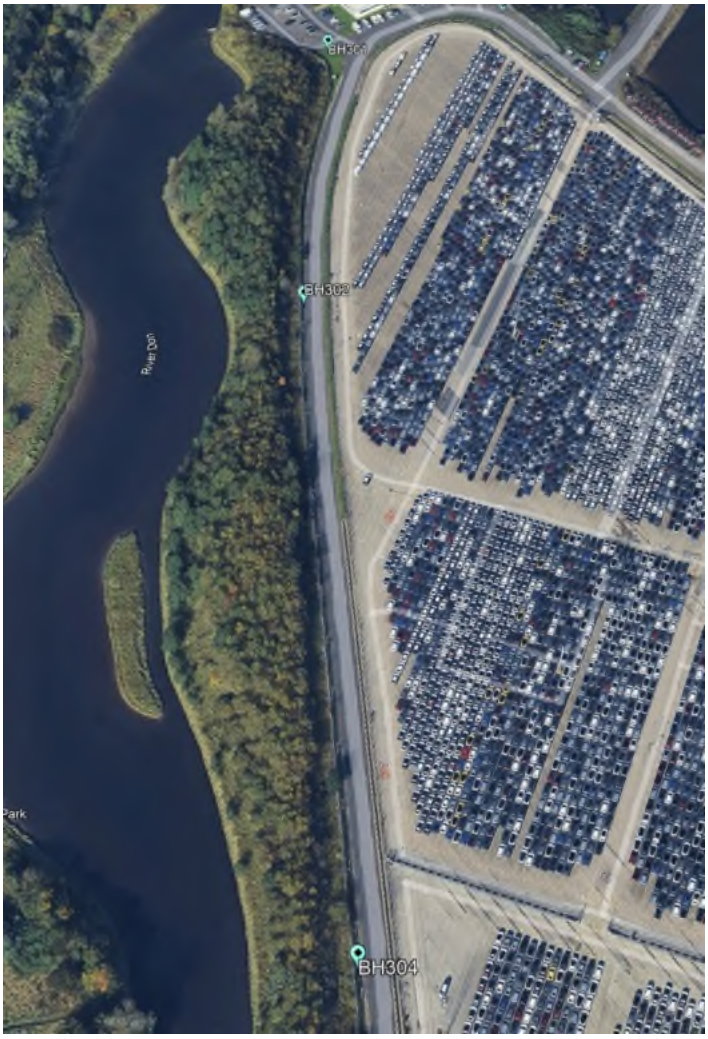


Figure. 4.2: BH301, BH302 and BH304 Locations in PoT requiring HRA Mitigation

Fugro shall not release any non-native species into the wild.

No tree or flora disturbance or destruction shall take place. Other Environmental Considerations

4.12.1 Contamination of Highways

Fugro shall clean up any mud or similar from site and clean vehicles on site before they leave site. Where reasonably practicable, vehicle movements between muddy areas and hard standing will be reduced. Visual inspections will be utilised to confirm the requirement for any road sweeping.

Sites shall be fenced (with debris netting where required) and sandbags employed to prevent arisings escaping.

4.12.2 Grassed Areas,

On grassed areas susceptible to rutting Fugro shall protect such through the use of boards, as agreed on site with the Site Manager and the ECOW representative

4.12.3 Traffic and Vehicle Movements

Vehicle movements will be kept to a minimum wherever possible.

Speed limits exist within the south site on the Nissan and Port of Tyne (20mph) land. These will be adhered to at all times. Speed limits are clearly sign posted (15-20mph) and may vary across the site.

For the north site, speed will be limited to 15mph (PoT and NWL land).

Access to the works areas within the Nissan site will be via access gates through Heras fencing that will be kept open during working hours to ensure Nissan traffic is not impacted. During periods when all staff are within the compound/work area, gates can be closed.

Traffic movement in NWL, will require vehicles to follow the 1-way system and adhere to the site-specific speed limits as well as follow any guidance on locked gates.

Within compounds, during any vehicle movements, a vehicle banksman will be utilised to guide the vehicle. Reverse parking will be used in the north main compound. If reverse parking is not suitable, linear parking will be utilised (e.g. parking adjacent to sites near roads/narrow areas).

4.12.4 Freezing Weather

Natural England have advised that:

"GI works are to be suspended after 5 days of freezing weather and then they can only re-start after there has been 3 days of thaw conditions."

Following this advice, Fugro will monitor the temperature at **Primrose, Jarrow - IJARRO1** local weather station (nearest location to the site) and will also use an on-site max-min temperature gauge. The Site Manager will confirm if the **minimum** temperatures reach freezing (≤0°C) for more than 5 No days and suspend operations at the locations listed on the HRA until 3 No days of ≥0°C (minimum temperature in a 24hrs period) have occurred, allowing frozen ground to thaw.

5. Legislation And Other Legal Requirements

Fugro shall comply with all legal requirements relevant to the environmental aspects of our activities, this project and in accordance with the requirements of the Client. This shall be ensured via internal audit and during site inspections.

Fugro shall co-operate with all relevant regulators, local authorities and competent authorities relevant to the environmental aspects of our activities.

Fugro shall comply with other legal requirements such as agreements with clients, corporate requirements, agreements with local authorities, non-regulatory guidelines and codes of practice relevant to the environmental aspects of our activities.

Fugro are aware of Market Based Measures i.e. economic instruments (e.g. the climate change levy), Government voluntary schemes, Government incentives (e.g. Envirowise Wrap) and commit to comply with or employ, as appropriate.

As part of our IMS, Fugro maintain a Register of Environmental Legislation relevant to all company activities.

Fugro have identified the following legislation applicable to this project, related to the significant environmental impacts identified:

6. Audits / Inspections

Audits/ inspections shall be carried out by competent Fugro personnel on a periodic basis. Audits shall be planned and managed by the HSSEQ Department.

We actively manage our culture of trust and open communications within our organisation and do not publish internal audit findings to an employer unless we consider it to be beneficial to our overall objectives.

7. Emergency Response

Fugro recognise the following definition:

Emergency - something dangerous or serious, such as an accident, which happens suddenly or unexpectedly and needs immediate action in order to avoid harmful results

The Emergency Response Plan details the mechanism of response to any spills whilst working on the project. This is to be followed according to the severity of the incident as related to the conditions set out in the ERP.

In an emergency Fugro is committed to the following, in order of priority:

- protection of the health and safety of workers and the public
- protection of the environment
- protection of capital equipment and company records

Initially, it shall be the responsibility of the person/s who discovers or causes the event to respond in the most appropriate manner.

An environmental emergency drill will be completed towards the start of operations. This will include a debrief and lessons learned review.

8. Community Relations

All site staff will be briefed with regards to responding to enquiries from members of the public.

Appropriate signs will be displayed at the site compound, informing the public of the works.

National Grid will issue cards for handing to the general public with contacts for the community relations team.

9. Complaints

Complaints received from members of the public, landowners and third-party stakeholders will be reported back to the office for further action. Where possible, the causation of the complaint will be immediately rectifiable.

Complaints will be shared with WSP and NG.

Appendix A – Spill Procedure

