

Netherton Hub 400kV OHL Connection to New Deer and Peterhead: Tie-In

Environmental Appraisal Report

Volume 3 Appendix 2.1: GEMPs

July 2026



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General Environmental Management Plan (GEMP) – Oil Storage and Refuelling



TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
			Transmission ✓
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Contents

1	Introduction	3
2	References	3
3	Legislation	4
4	General Compliance Requirements.....	4
5	Revision History.....	7

TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

1 Introduction

- 1.1 Oil and fuel, inappropriately used, stored or disposed of, can give rise to pollution of the environment.
- 1.2 Oil and fuel can be released into the environment through:
- Spillages during delivery or use
 - Spillages during refuelling operations
 - Loss during attempted theft or vandalism
 - Spillages from hose bursts
 - Spillages from mechanical failure of plant and their components
 - Inadequate or damaged storage facilities, or
 - Being poured directly to drains or gullies or being burned.
- 1.3 Petrol, diesel and oil are all highly harmful to plants, animals and humans. If pollution is caused, prosecution may follow. The resultant cost of clean-up and legal proceedings following an incident is likely to far exceed the cost of putting proper control measures in place.

2 References

The documents detailed in Table 2.1 – Miscellaneous Documents, should be used in conjunction with this document.

Table 2.1 – Miscellaneous Documents

Reference	Title
https://www.sepa.org.uk/media/dw5de0kh/car-a-practical-guide.pdf	SEPA The Water Environment (Controlled Activities) (Scotland) Regulations 2011
CIRIA (2006) C648 - Control of water pollution from linear construction sites – Technical Guidance	Control of Water Pollution from Linear Construction Sites
https://www.hse.gov.uk/cdg/commonproblems/browsers.htm	Bowser Regulations
https://www.gov.uk/government/publications/carriage-of-dangerous-goods-guidance-note-23	Transporting Diesel, Petrol or Kerosene by Road
Ciria C741	Environmental Good Practice on Site Guide (fourth Edition)

TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

3 Legislation

- 3.1 The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended) apply to any kind of oil including petrol, diesel, mineral oil, heating oil, lubricating oil, waste oil, vegetable and plant oil (except uncut bitumen) stored above ground at premises such as construction sites.
- 3.2 The relevant provisions of Waste Management Licensing Regulations 1994 (as amended) also apply to handling and storage of waste oil.
- 3.3 The carriage of diesel, kerosene and petrol by road is regulated by The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), as amended.
- 3.4 Petrol, diesel and oils are also covered under the Control of Substances Hazardous to Health Regulations 2002 (COSHH Regs) and need to be stored and used in compliance with these also.

4 General Compliance Requirements

4.1 General

- 4.1.1 Compile a protocol for oil and fuel storage & operations on site, including but not limited to, bulk fuel delivery procedure, refuelling procedure, fuel storage inspections (including spill kit & plant nappy provision and condition) & emergency response procedures.
- 4.1.2 All those undertaking, or involved in, refuelling operations should be nominated on the project as Refuelling Marshals and trained in the approved refuelling procedure.
- 4.1.3 Suitably sized and fully stocked spill kits of the appropriate type are to be located and maintained at all oil & fuel storage locations, refuelling locations and in all site vehicles. Consider the nature of surrounding area when specifying and checking spill kit contents to ensure they provide suitable materials and modify contents accordingly e.g. include floatation bunds if works are near watercourses or, consider inclusion of absorbent granules, shovel and impermeable sheet if the ground is very free draining. Provide suitably labelled plastic sacks for disposal of contaminated wastes arising from used spill kits.
- 4.1.4 Used spill kit materials should be removed as Special Waste. Stocks of spare material are required to be held on site to ensure restocking and replacement can occur in a timely manner.
- 4.1.5 Plant nappies must be available at all refuelling locations for use during refuelling procedure.
- 4.1.6 Where a plant nappy is of two part design the use of plant nappy liners without plant nappy base, or plant nappy base without liner, is not acceptable as their performance will be compromised.

TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
			Transmission ✓
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- 4.1.7 All oil loss events such as spillages, hose bursts etc must be reported in line with Scottish and Southern Electricity Networks (SSEN) reporting procedures.

4.2 Deliveries & Storage

- 4.2.1 Oil and fuel storage areas should be clearly designated and shown on site layout and drainage plans, clearly presented on site and briefed during site inductions. Tool Box Talks are to be used to communicate changes and periodically remind operatives on oil and fuel storage, refuelling procedures and emergency response requirements.
- 4.2.2 The following will be considered as a minimum when identifying the location for fuel storage:
- Maintaining a minimum of 30m from sensitive environmental receptors such as surface waters, surface drainage systems, wetlands, Groundwater Dependent Terrestrial Ecosystems (GWDTEs), drinking water or private water supply catchments.
 - Fuel stores must be sited away from where they could be hit by moving vehicles and plant whilst ensuring ease of access to proposed storage area for oil deliveries / refuelling.
 - Ensuring suitability of ground conditions e.g. can the area be protected against flood damage / inundation / subsidence.
 - Use existing oil interceptor facilities, bunded storage areas or suitable areas of hardstanding, and
 - Locate areas to prevent risk of theft or vandalism.
- 4.2.3 Clear signage should be provided at oil storage areas and designated fuelling areas.
- 4.2.4 Clearly identify any areas where fuelling or fuel storage is not permitted on site plans (e.g. within close proximity to watercourses). Where appropriate, consider additional signage highlighting and defining exclusion zones.
- 4.2.5 During delivery of fuel or oils by a supplier to site, the delivery vehicle must be supervised by a suitably trained Refuelling Marshal when on site. Volume and type of fuels delivered and stored on site should be recorded along with dates of delivery.

4.3 Fuel and Oil Storage Containers

- 4.3.1 All fuel or oil storage containers must:
- Adhere to all and any conditions of the Controlled Activities Regulations (CAR)
 - Be of suitable type for that fuel or oil
 - Be appropriately labelled identifying the contents
 - Be of enough strength and structural integrity to ensure that it is unlikely to burst or leak in its ordinary use

TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
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- Be maintained in good condition
- Not filled beyond design capacity
- Be impermeable to oil or water, and
- Positioned, or other steps taken, to minimise any risk of damage by impact so far as reasonably practicable.

4.3.2 Storage of fuel or oils within 50 gallon / 200 litre drums is not permitted on site. Where waste oil is stored in this equipment it should be for minimal duration and the drum should be placed within a suitably sized bund.

4.3.3 For fuel storage containers of 200 litres or greater these must be checked for compliance with General Binding Rule 28 of the Controlled Activity Regulations, and locked when not in use to prevent unauthorised use and potential spillages arising from such use.

4.3.4 Secondary containment or bunds are required where storage of oil or fuel is within containers over 200 litres. This secondary containment must be checked and maintained regularly, with any liquid or materials within emptied / removed and suitably disposed of to retain required volume.

4.3.5 The storage of oil or fuel in a portable container with a capacity of less than 200 litres must:

- Be securely sealed when not in use so as to contain the fuel in event of tipping of the container
- Be secured during transit within a vehicle so as not to slide, tip or otherwise be put at risk of damage
- Where being stored for any period longer than a day between use, be placed within suitable bunded Control of Substances Hazardous to Health (COSHH) containment when not in use, and
- When not stored within a bunded COSHH container, the container should be stored securely on a plant nappy, away from any sensitive receptors such as watercourses.

4.4 Refuelling

4.4.1 The following must be adhered to for refuelling operations:

- Refuelling operations are to be included within the preparation of a protocol for oil and fuel storage & operations on site
- Undertake refuelling at appropriately sited and set up designated refuelling bays
- Where this is not possible for operational reasons, refuelling should not be undertaken within 30m of surface waters and should follow the above guidance regarding location of any fuel related activities
- Suitably sized spill kits must be easily accessible for all re-fuelling operations and drip trays / plant nappies used during refuelling operations to catch drips and splashes.

TG-NET-ENV-510	General Environmental Management Plan (GEMP) – Oil Storage and Refuelling		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

4.5 Construction Plant

- 4.5.1 Plant nappies should be placed under stationary plant and equipment such as oil powered pumps, generators, winches, hydraulic presses, compressors, lighting rigs (where these items are not “integrally bundled”). Hydraulic powered plant such as presses, winches or tensioners may require additional mitigation such as further plant nappies or impervious drip trays.
- 4.5.2 Whilst plant nappies do not provide significant containment capacity, they are easier to manage than impervious drip trays which require increased maintenance to ensure rain water is not contaminated and require to be regularly emptied of rainwater to ensure effectiveness.
- 4.5.3 Static plant should be located at least 30m from any watercourse (or other identified sensitive receptor). Where it is not possible, mitigation should be put in place to reduce the risk or impacts of a pollution incident occurring (including additional capture methods for losses, increased inspection visits of the plant or placement of oil booms).
- 4.5.4 Plant nappies are to be placed under mobile plant on site when parked up and operative is not within plant, for example during breaks, overnight or longer periods. A plant nappy will be assigned to each piece of plant and placed under the area of the plant considered the greatest risk, for example this may be under the engine bay (if unbundled) or under the hydraulic pumps or flexi hoses. Stones maybe placed on the plant nappy to prevent it being blown away in strong winds.
- 4.5.5 Plant nappies should be regularly inspected as part of plant pre-use checks and during other site inspections and should be replaced (or their liners replaced) when deterioration and/ or contamination is evident.

5 Revision History

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General Environmental Management Plan (GEMP) – Soil Management



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Contents

1	Introduction	3
2	General Compliance Requirements.....	3
3	Revision History.....	6

TG-NET-ENV-511	General Environmental Management Plan (GEMP) – Soil Management		Applies to
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1 Introduction

1.1 Soil is a precious resource and can provide the following functions:

- Supports a diverse ecological system and provide the growing medium for habitats, crops and timber;
- Provides a carbon sink and plays an important role in carbon sequestration;
- Absorbs rainfall, delaying its movement into watercourses; and
- Filters or transforms chemicals that pass through it, preventing them from ending up in water or air.

1.2 Any damage to soil quality affects the long-term functioning of the soils and has an impact not only on ecological diversity, performance and visual amenity, but can have impacts off-site such as on flooding, aquifer recharge and water quality.

1.3 It is therefore essential that impacts to the resource are reduced to the minimum necessary for the works and that all work is undertaken in accordance with best practice. The methods of stripping, storage, reuse and disposal of soil can have significant impacts on both the soil resource and other environmental receptors.

2 General Compliance Requirements

2.1 General Principles of Soil Management Process

2.1.1 All stripping should follow this process, except in agricultural fields whereby the method should be informed by landowner requirements, or where archaeological concerns exist and smooth buckets maybe preferable:

- Turves stripped to 300mm using large toothed bucket;
- Turves to be stored vegetation side up and watered if drying out;
- Any remaining topsoil and all subsoil layers to be removed and stored separately;
- Label stored soils with source of origin and material type if to be left for periods more than a month;
- If soil storage bunds to be left for duration of 6 months or more, consider placing top soil layer on subsoil bunds;
- Subsoil, topsoil and turves are to be replaced in same order as removed;
- Turves to be reinstated vegetation side up, and spread in a mosaic pattern if there is a shortfall;
- The toothed bucket should not be used to smooth over the excavation as it results in greater initial damage and slower recovery of the vegetation in the long run.

TG-NET-ENV-511	General Environmental Management Plan (GEMP) – Soil Management		Applies to
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Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

2.2 Stripping

- 2.2.1 Plan soil stripping carefully in advance.
- 2.2.2 Check whether the project archaeologist should be on site during the soil stripping.
- 2.2.3 Check all necessary pre-construction surveys have been completed prior to stripping (e.g. preconstruction protected species surveys in line with Species Protection Plans).
- 2.2.4 Follow all identified mitigation requirements for the location and method of stripping.
- 2.2.5 Where possible, strip soil during drier periods. Do not strip soil during periods of very heavy rainfall.
- 2.2.6 Soil stripping should only be undertaken in manageable sections, to minimise open excavations, maximise chance of effective reinstatement and allow the installation of suitable silt mitigation (where necessary) for the area being stripped.

2.3 Storage

- 2.3.1 Topsoil should be stripped and stored within the pre-identified and agreed areas to ensure safe storage and swift and successful reinstatement.
- 2.3.2 If soil storage is being carried out on sensitive habitats, consideration should be given to storage on top of a geotextile mat with duration of storage minimised.
- 2.3.3 Topsoil must not be mixed with subsoil or other layers with a requirement for separate storage areas for each.
- 2.3.4 Record and 'signpost' where all removed soils are stored including the different subsoil layers (this is important as individual subsoil layers should be reinstated in the order in which they were removed).
- 2.3.5 If the storage is likely to be for an extended period (for example >6 months) it may be appropriate to store topsoil layered on top of subsoil bunds. Underlying turves (and topsoil) at the storage location should be removed in advance with turves stored on surface of the bund.
- 2.3.6 Soil storage areas should be located away from watercourses (minimum 10m) and protected from run-off from adjacent areas.
- 2.3.7 Storage bunds should be designed so the material is stable and unlikely to slip, slide or slump. Consider the risk of any adjoining topography, (e.g. avoiding storing soils near steep slopes or banks, or in areas at high risk of flooding).
- 2.3.8 Best practice should be applied in order to minimise the amount of compaction or other disturbance of the general structure of the superficial deposits.
- 2.3.9 Other site works should not impact on stored soil (e.g. Construction traffic must not track over stored soils).
- 2.3.10 Careful planning of storage areas and required works must be undertaken to avoid multiple handling of stored material and moving of stockpiles.

TG-NET-ENV-511	General Environmental Management Plan (GEMP) – Soil Management		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

- 2.3.11 The surface of material storage bunds (not turfed as detailed above) can be smoothed with bucket to aid surface water run off to reduce potential for erosion. If significant soil erosion is occurring from storage piles during periods of heavy rain, consideration should be given to covering the stockpiles with terram or other suitable material.
- 2.3.12 Seeding of soil storage bunds should not be undertaken in areas of sensitive habitats and should only be undertaken with agreement of landowner, but may help stabilise bunds if required to be in place for extended period. Consider an enhanced seed mix (with native wildflower for example) to give a temporary biodiversity benefit.
- 2.3.13 Noxious weed growth or Non-native invasive species on soil storage bunds must be treated/ controlled or otherwise removed. Seeding bunds may help hinder noxious weed establishment.
- 2.3.14 In periods of dry weather check the need for dampening down to reduce dust and potential nuisance.
- 2.3.15 If any stored soil is contaminated it should be managed in accordance with the Contaminated Land GEMP.
- 2.3.16 After removal of stored material, storage areas should be reinstated to the pre-existing condition.

2.4 Reinstatement

- 2.4.1 Reduce risk of soil storage being constrained by nesting birds through implementation of nesting bird deterrents/ programming reinstatement works outwith nesting bird season. Ensure soil stores are surveyed for nesting birds/ protected species in line with Species Protection Plans (SPPs).
- 2.4.2 Stripped soil should be reinstated as close to where it was removed as possible. This will help to maintain a local seed base and the local geological/ hydrological characteristics.
- 2.4.3 Unless otherwise agreed, turves should be reinstated following the works and orientated vegetation side up.
- 2.4.4 Where turves are not available, areas would be left to revegetate naturally unless circumstances dictate otherwise, e.g. where vegetation is unlikely to establish within a reasonable timescale, or where a Habitat Management Plan/ BNG commitment specifies. Any seeding or replanting must be agreed in advance, including details of seed mixes and management regimes. Other techniques maybe more appropriate depending on the habitat to be reinstated.
- 2.4.5 The reinstatement of the construction area is to be undertaken to a high standard, using the existing soil and vegetation material wherever possible, in accordance with best practice.

TG-NET-ENV-511	General Environmental Management Plan (GEMP) – Soil Management		Applies to
			Transmission ✓
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General Environmental Management Plan (GEMP) – Working in or Near Water



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Contents

1	Introduction	3
2	References	3
3	Legislation	4
4	General Compliance Requirements	5
5	Revision History	8

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
			Transmission ✓
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1 Introduction

- 1.1 Construction activities in or near water have the potential to cause serious pollution or impact on the bed and banks of a watercourse and on the quality and quantity of the water.
- 1.2 Engineering works can cause damage to the habitat within rivers, lochs and wetlands, with associated impacts on invertebrates, plants, birds and mammals. Engineering works can also block the passage of migrating fish and damage spawning habitats during sensitive times.
- 1.3 Major causes of environmental harm associated with working in or near watercourses include:
 - Silt e.g. disturbance of river bed or bank, dewatering and pumping of excavations, run-off from exposed ground, plant washing, roads and river crossings;
 - Cement and concrete – which is very alkaline and corrosive and can cause serious pollution;
 - Chemicals and solvents – oil storage, refuelling, trade materials etc;
 - Herbicides – aerial and non-aerial applications; and
 - Waste materials (including special waste) e.g. oily wastes, spent acids and solvents.

2 References

The document detailed below in Table 2.1 - Scottish and Southern Electricity Networks Documents, should be used in conjunction with this document.

Table 2.1 - Scottish and Southern Electricity Networks Documents

Reference	Title
SM-NET-ENV-500	Consents and Environment Manual

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
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3 Legislation

3.1 There are a number of activities which pose a risk to the water environment including:

- Discharges to the water environment;
- Abstractions; and
- Physical works within, and in proximity to, controlled waters.

3.2 The Water Environment (Controlled Activities) (Scotland) Regulations 2011 – more commonly known as the Controlled Activity Regulations (CAR) sets out authorisations that are required for different activities in or near the water environments (including rivers, lochs, estuaries and groundwater).

3.3 Levels of CAR authorisation include General Binding Rules (GBR), Registrations and Licences.

3.4 A Construction run-off licence is required for any project that:

- Exceeds 4 hectares in area;
- Contains a road or track length in excess of 5km;
- Includes any area of more than 1 hectare that has a slope more than 25 degrees; or
- Includes any road (or track) with a length greater than 500 metres that has a slope more than 25 degrees.

3.5 Large and complex construction project run-off licence may be required for project that undertake one or more controlled activities(including the discharge of water run-off from a construction site to the water environment) and are:

- A project (or part of a project) that is a National Development, as identified in the National Planning Framework; and/ or
- A linear project greater than 25km in length.

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
			Transmission ✓
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4 General Compliance Requirements

4.1 General

- 4.1.1 Plan all works in accordance with best practice.
- 4.1.2 Ensure all necessary authorisations under the Controlled Activities Regulations (CAR) are in place.
- 4.1.3 Identify all activities that will be undertaken in or near watercourses (including all identifiable drainage paths).
- 4.1.4 Avoid works within 10m of a watercourse unless no other practical options exist and leave a vegetated buffer strip.
- 4.1.5 Where works are undertaken within 10 m of any watercourse or drain, ensure specific pollution prevention controls are in place.
- 4.1.6 Communicate risks associated with working in or near watercourses to all personnel and include control measures in the site-specific construction method statements.
- 4.1.7 Keep site tidy and do not store materials too close to watercourses or surface water features.
- 4.1.8 Ensure that all watercourses are routinely monitored for changes in water quality and keep a written record of monitoring. If water quality deteriorates, stop works, identify the source of the problem and implement appropriate mitigation measures. Ensure any potential pollution incident is reported in line with procedures, including to SSEN Transmission.

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
			Transmission ✓
Revision: 1.02	Classification: Internal	Issue Date: March 2024	Review Date: March 2026

4.2 Watercourse Engineering

- 4.2.1 Seek to avoid or minimise watercourse engineering works wherever possible.
- 4.2.2 Vehicles should not work within the water unless no other reasonable options exist.
- 4.2.3 All construction machinery operating in-stream should be mechanically sound to avoid leaks of oils, hydraulic fluid, etc.
- 4.2.4 Machinery should be thoroughly cleaned and checked prior to commencement of in-stream works.
- 4.2.5 All reasonable steps shall be taken to prevent the transport of sediments or other matter disturbed by the works.
- 4.2.6 Ensure all required pre-construction surveys have been completed before starting works (these will include, where appropriate, fresh water pearl mussels, otter, water vole).
- 4.2.7 Check if there are any timing restrictions to works because of protected species (e.g. spawning salmonids, otter, water vole etc) or landowner commitments.
- 4.2.8 Any temporary dams used should be designed to accommodate periods of high watercourse discharge and dried out sections of bed should be checked for stranded fish. Any stranded fish or other wildlife must be immediately translocated to suitable nearby habitat.
- 4.2.9 Pumps should also be fitted with screens to prevent fish mortalities and ingress of debris, and the outfall to pumps be designed to prevent erosion of the receiving waters (i.e. by dissipating the flow). Back up pumps should be available.
- 4.2.10 Where stock has access to the works fencing may be necessary to allow the regeneration of native riparian and aquatic marginal vegetation.

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
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4.3 Surface Water Control

4.3.1 Locate areas of high-risk activities away from watercourses and drainage paths. Areas of high risk include:

- Fuel and chemical storage;
- Refuelling areas;
- Material stockpiles;
- Vehicle and equipment washing areas;
- Site compounds / parking areas.

4.3.2 Minimise the volume of contaminated run-off being created by:

- Diverting clean surface water away from areas using cut-off drains, catch pits and bunds (where necessary these can be lined);
- Do not allow water to drain down the length of a haul road. Roads should have adequate cambers to shed water quickly and if necessary cut-off drains installed across the road;
- Minimise erosion of exposed soils and working areas;
- Reduce the exposed working area through phased construction;
- Reinstate exposed soil as soon as practical;
- Roughen exposed surfaces to reduce rate of water run off;
- Prevent water from leaving site prior to treatment;
- Ensure adequate buffer zones are identified between working areas and surface waters;
- Diversion drains should be used to catch sediment laden run-off and direct it to treatment facilities such as settlement ponds (where necessary these can be lined), silt fences (not to be installed in watercourse), settlement tanks etc (see CIRIA C6848);
- Maintain all mitigation measures regularly to ensure their effectiveness;
- Depending on the level of contamination, silty water can be pumped over land to filter through vegetation and infiltrate into the ground provided it is carried out in line with the CAR regulations. An appropriate buffer distance must be maintained to allow sufficient distance for the vegetation to filter the silty water prior to reaching a watercourse;
- Ensure construction works minimise disturbance to the current run-off regimes.

TG-NET-ENV-512	General Environmental Management Plan (GEMP) – Working in or Near Water		Applies to
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4.4 Vegetation Removal

- 4.4.1 Trees and shrubs should not be removed without agreement.
- 4.4.2 Avoid un-necessary vegetation removal.
- 4.4.3 Where necessary leave a vegetated buffer distance of 10m between works and a watercourse.
- 4.4.4 Only break the ground surface when works are required and initiate a phased approach.
- 4.4.5 Comply with agreed buffer zones of vegetation as this will allow further treatment of surface water.
- 4.4.6 Do not dispose of cleared vegetation into the watercourse and avoid debris from clearance.
- 4.4.7 Vegetation removal can impact on bank stability and increase erosion. Ensure that all banks are restored to a condition prior to works commencing and assess what further protection may be required.

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General Environmental Management Plan (GEMP) – Working in Sensitive Habitats



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Contents

1	Working in Peatland and Sensitive Habitats.....	3
2	General Compliance Requirements.....	3
3	Peat Management.....	6
4	Revision History.....	7

TG-NET-ENV-513	General Environmental Management Plan (GEMP) – Working in Sensitive Habitats		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

1 Working in Peatland and Sensitive Habitats

1.1 Introduction

- 1.1.1 This General Environmental Management Plan concentrates on sensitive habitats associated with Peat, Blanket Bog, Wet Heath and Dry Heath habitats.
- 1.1.2 Section 3 of this General Environmental Management Plan includes guidance specific to peat management and the preparation of Peat Management Plans where on-site activities impact on peat. Site specific measures should be developed before construction begins at any location where working in peat is a constraint.

1.2 Legislation

- 1.2.1 Sensitive habitats may include those Scheduled under Annex 1 of the Habitats Directive. The Habitats Directive is more formally known as Council Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora, a European Union Directive adopted in 1992. Sensitive habitats may more widely be defined as habitats where additional care is required to avoid permanent damage or to reinstate to the previous condition.

2 General Compliance Requirements

2.1 General

- 2.1.1 Whilst working within sensitive habitats or peatlands follow best practice from NatureScot and SEPA.
- 2.1.2 When working in areas with sensitive habitats, the hierarchy of avoid, minimise, mitigate, and manage must be applied.
- 2.1.3 Where possible areas of development such as cable routes, access tracks and tower positions, as well as permanent/ temporary compounds or laydown areas, should be micro-sited within permissible limits to avoid and minimise impacts on areas of sensitive habitat and areas of deep peat.
- 2.1.4 Stripping areas of sensitive habitat and peatland should be kept to an absolute minimum and done in consultation with the environmental representative.
- 2.1.5 During planning and implementation consider how the site will be restored or reinstated on completion of the works.
- 2.1.6 Ensure adequate corridors / areas are allowed for water management and reinstatement works which may include sourcing donor material from adjoining areas in some instances.
- 2.1.7 Consider effects of local hydrology factors (drainage, watercourses, flushes, bog pools, peatlands, etc.) on established habitats and seek to maintain hydrology regimes during the works.

TG-NET-ENV-513	General Environmental Management Plan (GEMP) – Working in Sensitive Habitats		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

- 2.1.8 If hydrological impacts cannot be avoided, or significantly mitigated through design and implementation, ensure hydrological connectivity is re-established as soon as possible. Ensure developed or reinstated areas do not form preferential drainage.
- 2.1.9 Areas where rain water has been flowing over the ground surface should be identified in advance of works.
- 2.1.10 Design drainage channels or pipe systems to conduct water across cable trenches (or areas where tracks have been removed and ground reinstated). This will minimise post-construction damage and to allow better opportunities for re-vegetation and successful reinstatement. Any drainage pipes should be removed once vegetation and stabilisation of original drainage has been established. All temporary materials used for mitigation / drainage purposes during development must be removed on completion.
- 2.1.11 Undertake post-installation / restoration inspections to identify any areas where surface water flow is causing soil erosion.

2.2 Access

- 2.2.1 Access across sensitive habitats must be done as efficiently as possible, avoiding unnecessary movements back and forth.
- 2.2.2 Agree an Access Strategy and details of all access routes with the environmental representative ahead of works, avoiding impacts on peatland or sensitive habitats as far as possible. Where All Terrain Vehicles (ATVs) are used for multiple trips where there is no formally constructed access track, consider changing access route if ground shows evidence of becoming damaged (avoiding sensitive habitats), rather than repeated use of one route that subsequently requires more significant reinstatement / restoration. Any alternative route must be agreed with the environmental representative/ ECoW in advance of being used.
- 2.2.3 Where no existing access tracks exist, seek to use temporary trackway solutions including trackway panels (e.g. Terrafirma Dura-Base or Trackway), timber log mats or bog mats when transiting sensitive habitats or peatlands. Where plant and terrain do not suit the use of temporary access panels type solutions, temporary floating stone roads may be needed.
- 2.2.4 Access across unprotected peatland, or other sensitive habitats, should be restricted to low ground pressure vehicles and plant only (i.e. suitable ATV, Argocat or Softtrack, or wide spread tracked machines), and should avoid rutting. Any damage caused must be reinstated to a high standard on cessation of the works.

TG-NET-ENV-513	General Environmental Management Plan (GEMP) – Working in Sensitive Habitats		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

2.3 Access Track Construction

- 2.3.1 Design of works should avoid the potential for concentrated discharges of water onto the hill slopes. In particularly susceptible areas, the use of drainage ditches may be necessary upstream of the construction corridor (e.g. above access tracks). These should be installed following advice from hydrological specialists and in agreement with project environmental representative.
- 2.3.2 Ensure adequate cross track drainage is installed (temporary or permanent access tracks) through use of culverts at regular intervals, connecting track side ditches, minor watercourses and flow paths (where there may not be obvious watercourses) above the track to habitats beneath, ensuring hydrology is maintained as close to natural as possible. Increase frequency of cross track drainage where wetter habitats are transected by tracks, i.e. through peatlands, wet heath, flushes, etc. Avoid discharging track drainage ditch flow into watercourse crossings (maintain separate to cross track drainage).
- 2.3.3 Working in areas of peatland should be avoided, as far as practicable, during times of the year with the highest rainfall. Stripping of peat and reinstatement works should stop during periods of sustained heavy rainfall.
- 2.3.4 During the reinstatement of sensitive habitats, it may be necessary to utilise living donor turfs from land either side of the development and to rework acrotelm from land adjoining the works corridor to prevent formation of preferential drainage.
- 2.3.5 Across areas of deep peat, and other sensitive habitats, floating roads are generally preferable, especially where temporary. The formation of temporary access tracks should be underlaid with geotextile and geogrids. This should exceed the width of the track formation to avoid overspill of stone onto adjoining habitat and to assist in separation of the track construction materials from the underlying soils.
- 2.3.6 Where excavation is required, a tracked excavator should first remove turfs to a depth of 300 mm using as large a toothed bucket wherever possible. (This may not be appropriate where archaeological interest exists, and smooth buckets are specified).
- 2.3.7 Turfs, peat and subsoil should be stored separately in line with Soil Removal, Storage and Reinstatement General Environment Management Plan. Peat should be handled in line with any Peat Management Plan in place.
- 2.3.8 Turfs and soil should be stored to the side of the excavation. Where this is on good quality blanket bog, or other sensitive habitat, storage should be on top of a geotextile membrane.
- 2.3.9 Turfs should be stored root side down and should remain in the storage location until required for reinstatement (this is to avoid multiple handling and reduce the potential for turfs becoming unstable). If stored for longer drier periods, turfs may require watering to give vegetation the best chance of survival and improve eventual reinstatement chance of success. (Any water abstraction associated with this activity needs to be compliant with the Controlled Activities Regulations (CAR)).
- 2.3.10 Subsoil layers and peat layers should be reinstated in the order they were removed, and the turfs should be reinstated root side down, vegetative side up.

TG-NET-ENV-513	General Environmental Management Plan (GEMP) – Working in Sensitive Habitats		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

3 Peat Management

3.1 General Peat Management Requirements

- 3.1.1 In addition to the unique habitats provided by peatlands, areas of deep peat have a significant global role in carbon sequestration. Disturbing peat can release CO₂ to the atmosphere as the peat is oxidised when exposed to air or dried out. Through proper management of peat these impacts can be reduced.
- 3.1.2 It is important to ensure the hydrological regime of peatland is maintained and that peat is not left unprotected to avoid erosion and degradation. Avoid unnecessary drainage of peatlands. Any temporary cut off ditches should be back filled as soon as practical on completion of works.
- 3.1.3 Ensure that large loads do not compress peat and create a barrier to water movement which could cause ponding at one side of the corridor and drying out at the other, or cause peat slump by displacement.
- 3.1.4 A Peat Landslide Hazard and Risk Assessment (PLHRA) may be required by the project, and should be agreed prior to the construction phase. The PLHRA should be undertaken, and updated to reflect any changes, in line with [Scottish Government best practice](#). Mitigations identified within the PLHRA must be followed.
- 3.1.5 Existing degraded peatland can often be stabilised or re-established to active peatland with minimal effort, and opportunities to undertake such works should be investigated where possible. For example, reprofiling of peat hags and blocking of drainage channels within peatlands.

3.2 Peat Management Plans

- 3.2.1 Where significant impacts on peat are identified, or where peat depth is greater than 0.5 metres, a site or project specific Peat Management Plan (PMP) may be required and should be agreed prior to the construction phase. The PMP must be developed with input from the environmental representative and may require stakeholder input.
- 3.2.2 In certain circumstances a PMP may be required as a condition of consent or as specified as a contract deliverable. In these circumstances the content must reflect that required by the consent or contract.
- 3.2.3 The Peat Management Plan, as a minimum, should:
 - Include and adhere to principles set out in best practice and guidance notes from NatureScot and SEPA, including SEPA's guidance note WST-G-052 -Developments on Peat and Off-Site Uses of Waste Peat.
 - Include detailed 1:25k/ 1:10k OS background-based plans with site location insets (1:50k OS mapping), detailing peat depth maps, highlighting areas of deep peat, storage areas and any areas suitable for restoration / reinstatement.

TG-NET-ENV-513	General Environmental Management Plan (GEMP) – Working in Sensitive Habitats		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

- Reference peat depth maps, identify how impacts on peat have been minimised and quantify types and volumes of peat anticipated to be disturbed by the project.
- Identify appropriate storage of peat for reuse (during reinstatement for example). In line with the Soil Removal, Storage and Reinstatement GEMP.
- Identify suitable areas for separate storage of excavated strata, including for example, turfs, peat and subsoil. It may also be appropriate to implement different management and storage strategies for the various strata of deep peat, including top vegetative layer and acrotelm, where fibrous living organic matter is still evident, separate to the catotelm, where the structure of the peat is more homogenous and loses its structure more easily
- Detail how the works have been planned to ensure minimal handling of peat. (In moving and reworking peat, the structure can easily be lost making storage and reuse more challenging). Turfs and other peat materials should be stored as close to origin as possible.
- Detail inspection regime to ensure peat is regularly checked for signs of drying out and detail planned measures to prevent this occurrence. (If drying out is occurring the storage areas may require to be sprayed with water. Any water abstraction associated with this activity needs to be compliant with the Controlled Activities Regulations (CAR)).
- Identify opportunities for reuse on and off site if required (in peatland restoration for example). Transport of peat significant distances must be avoided. Detail plans for reinstatement of stored material, including potential peatland restoration works. During implementation ensure that no bare (unvegetated) peat is exposed as this may take a long time to re-establish, and will be a high risk of degradation and erosion; and
- Include a water management strategy for minimising impacts of construction activities on the peatland.

3.2.4 The Peat Management Plan must be followed during the construction phase, with any required changes agreed as the project progresses. Changes may be required to be agreed with stakeholder such as local planning authority / SEPA.

4 Revision History

No	Overview of Amendments	Previous Document	Revision	Authorisation
01	New Document Created	N/A	1.00	Richard Baldwin
02	Reviewed and updated.	TG-NET-ENV-513 (Rev 1.00)	2.00	Richard Baldwin
03				

General Environmental Management Plan (GEMP) – Working with Concrete



TG-NET-ENV-514	General Environmental Management Plan (GEMP)-Working with Concrete		Applies to
			Transmission ✓
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	Name	Title
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Approved by	Richard Baldwin	Head of Consents and Environment

Contents

1	Working with Concrete	3
2	General Compliance Requirements	4
3	Revision History	5

TG-NET-ENV-514	General Environmental Management Plan (GEMP)-Working with Concrete		Applies to
			Transmission ✓
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1 Working with Concrete

1.1 Background

1.1.1 The chemical reactions that enable fresh concrete to cure are complex. A by-product of these reactions is the production of calcium hydroxide, a highly alkaline chemical that has a pH in excess of 12.

1.1.2 There are a number of sources of alkaline water on construction sites, which include:

- Concrete wash water from cleaning of machinery and tools used with fresh concrete – e.g. chutes, drums, pumps, hand tools
- Cutting or coring of concrete structures
- Hydro-demolition (high pressure water cutting)
- Surface water runoff from newly concreted areas
- The storage or use of Cement Bound Sand (CBS) in backfilling of cable works
- Leaching from installed cabling works utilising CBS backfill
- Crushed demolition materials, and
- Concrete installed below groundwater level (e.g. piled foundations)

1.1.3 The release of untreated highly alkaline water into the environment from any of the sources described above can have a significant environmental impact, including on the ecology of receiving waters. The following are potential impacts of concrete and cement born contamination if not properly treated:

- Increase in pH of the water environment to toxic levels
- Kill invertebrate and other aquatic life including plants
- Adversely impact on surrounding habitats
- Particles can impact the turbidity of receiving waters
- Smother the bed and kill aquatic life
- Block gills of fish
- Impact directly and indirectly protected species which may be present e.g. otters, freshwater pearl mussels, or salmon
- Increase flood risk or agricultural drainage by blocking of drains and other structures

1.2 Legislation

1.2.1 Under the Controlled Activities Regulations, it is an offence to discharge polluting substances to controlled waters (surface water and groundwater) without prior approval from the Regulator (SEPA). This includes any discharge of concrete/ cementitious materials or contaminated water.

TG-NET-ENV-514	General Environmental Management Plan (GEMP)-Working with Concrete		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2026

2 General Compliance Requirements

2.1 General use

- 2.1.1 Concrete shall not be used within 10m of any watercourse or loch. Should there be the requirement to use concrete and cement within 10m of a waterbody, this should be fully risk assessed and agreed in advance of the works.
- 2.1.2 Store bulk and bagged cement and concrete additives at least 30 metres away from watercourses, gullies and drains in properly secured, covered and bunded areas.
- 2.1.3 Ensure dust from storage areas is controlled. Securely cover stockpiles of cementitious materials such as CBS with a tarpaulin, or non-permeable sheeting.
- 2.1.4 Ensure all staff are briefed on the potential environmental risks of working with concrete.
- 2.1.5 Ensure that any residue from cutting/ coring/ hydro-demolition activities is correctly contained and treated where necessary.
- 2.1.6 Consider the materials being used e.g. recycled concrete aggregate may cause elevated pH levels as a result of run-off.
- 2.1.7 Recirculating systems should be used where possible to minimise the use of water resources and reduce volume of high pH waters produced requiring treatment.

2.2 Washout

- 2.2.1 Areas should be established for concrete washout which avoid important habitats and species.
- 2.2.2 Surplus concrete should be removed from equipment by scraping before washing down in order to minimise the volume of water required.
- 2.2.3 All concrete wash water should be contained for treatment on site or disposal off site. None shall be allowed to enter any drains, ditches or watercourses or land.
- 2.2.4 Concrete wash waters should be returned to batching plant as a first option (suitable temporary storage in IBCs or similar would be acceptable.) Where this is not an option, special wash water treatment units should be used, such as Roadside Concrete Washouts (RCWs) or similar. These units should filter/ separate solids from the wash water, and allow for pH treatment through CO₂ diffuser, using citric acid or similar to achieve a more neutral pH.
- 2.2.5 Discharge of treated wash waters to ground or other receiving environment should only be permitted when agreed with SEPA. The SSEN Environmental Representative is to be copied into all correspondence with the regulator in this regard, and consulted in the first instance of the intent to contact SEPA.

TG-NET-ENV-514	General Environmental Management Plan (GEMP)-Working with Concrete		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2026

- 2.2.6 Lined pits or lined skips are not acceptable, unless these can be fully demonstrated to be impermeable and a treatment/ removal procedure agreed. No overlapping plastic sheets can be relied on in their construction. Where more than one width of sheet is required these should be welded and tested to demonstrate sealing. Additionally, regular monitoring is required to ensure ongoing effectiveness and to ensure they do not become overloaded, resulting in the escape of wash water and cementitious fines. Written record of inspections must be maintained.
- 2.2.7 Discharge of small volumes to land should only take place where there is no connectivity to surface and ground waters and can be demonstrated to be fully compliant with legislative requirements.

2.3 Treatment Options on site

- 2.3.1 The pH scale is a logarithmic scale which means that each unit change in pH, for example pH 7 to 8, represents a tenfold increase in alkalinity. Because of this, attempting to treat concrete washout by dilution alone has the potential to increase the risk of a serious pollution incident.
- 2.3.2 Dilution of high pH water is ineffective due to the logarithmic scale of pH. For example, to dilute one IBC of concrete wash water at pH 12, the equivalent of four Olympic swimming pools of fresh water would be needed to bring it back to neutral (pH 7).
- 2.3.3 In order to adjust high pH wash water in line with acceptable levels, a process of neutralisation using controlled amounts of reagent may be required. Typical reagents include mineral acid (either sulphuric or hydrochloric acid), citric acid, carbon dioxide (CO₂) and self-buffering solutions. Propriety units for treatment of high pH water on site are available, some of which use CO₂ diffusers to neutralise the high pH water.

3 Revision History

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01	New document created	N/A	1.00	Richard Baldwin
02	Addition of clauses 2.2.4, 2.2.5, 2.2.6 Changes to job titles of author, checker & approver	TG-NET-ENV-514 General Environmental Management Plan (GEMP) – Working with Concrete (Rev 1.00)	2.00	Richard Baldwin
03				

General Environmental Management Plan (GEMP) – Waste Management



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Contents

1	Introduction	3
2	Legislation	3
3	General Compliance Requirements.....	3
4	Further Information	7
5	Revision History.....	7

TG-NET-ENV-516	General Environmental Management Plan (GEMP) – Waste Management		Applies to
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1 Introduction

- 1.1 Waste is defined in the in the Waste Framework Directive (75/442/EEC) as “any substance or object which the holder discards, intends to discard or is required to discard”. This includes materials that other people want, or for which they can find a beneficial use i.e. material that is to be recovered / recycled.
- 1.2 In any construction project, there may be a variety of different wastes, from office and canteen waste to construction materials, waste aggregate from temporary tracks, waste oils, asbestos and clinical waste that will require management.

2 Legislation

- 2.1 Waste legislation and guidance is extensive, complex and works must comply with all the obligations they impose. Key guidance from the Scottish Environment Protection Agency (SEPA) can be found on their waste website (www.sepa.org.uk/regulations/waste). This includes information on core legislation including:
 - Environmental Protection Act 1990 (as amended)
 - Waste Management Licensing (Scotland) Regulations 2011 (as amended)
 - The Waste (Scotland) Regulations 2012 (as amended)

3 General Compliance Requirements

3.1 Principles of Waste Management

- 3.1.1 Waste management priorities and practical actions that can be undertaken on site should follow the principles of the waste hierarchy as illustrated below:
 - Eliminate - Design out waste
 - Reduce - Minimise waste generation
 - Reuse - Reuse materials on site if possible
 - Recycle - Reprocess materials for off-site use
 - Recover - Recovery of energy from waste sent off site
 - Dispose - Least desirable option – last resort

TG-NET-ENV-516	General Environmental Management Plan (GEMP) – Waste Management		Applies to
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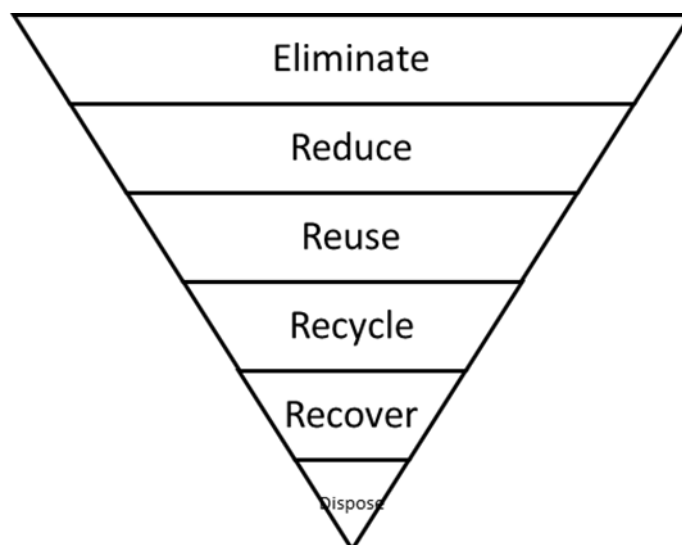


Figure 3.1 - Waste Hierarchy

3.1.2 A Site Waste Management Plan (SWMP) is required to be prepared and agreed prior to construction works starting. The SWMP should be kept up to date as the project progresses. This plan should be based on the above principles and include the following minimum requirements:

- Waste minimisation;
- Allocate a waste champion – who is responsible for the SWMP;
- Record types and quantities of waste that will be produced during the project;
- Decide how waste arising will be managed in line with the waste hierarchy;
- Plan for efficient materials and waste handling and set reduction targets (KPIs);
- Measure quantities and types of waste produced and compare against targets;
- Monitor the implementation of the SWMP and update as necessary; and
- Compile a waste budget.

3.1.3 The SWMP can be in electronic form provided the requisite information can be collated and reviewed, and that the data is readily available as required.

3.1.4 For further guidance on preparing and updating a SWMP, please refer to:

[A simple guide to Site Waste Management Plans \(netregs.org.uk\)](https://www.netregs.org.uk)

TG-NET-ENV-516	General Environmental Management Plan (GEMP) – Waste Management		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

3.2 Duty of Care

- 3.2.1 All those who produce or handle waste have legal responsibilities, a ‘Duty of Care’, for its safe keeping, transport and subsequent recovery or disposal.
- 3.2.2 Failure to comply the ‘Duty of Care’ is an offence as it is a legal requirement under Section 34 of the Environmental Protection Act 1990 (as amended).
- 3.2.3 ‘Duty of Care’ requires the producer to:
- Ensure those transporting waste are registered with SEPA;
 - Ensure the waste is being treated, re-used or disposed of at a suitably licensed site in line with current legislation;
 - Keep a Waste Transfer Note for all waste being transported off site;
 - Ensure that all waste on site is properly stored and secured;
 - Take all reasonable steps to prevent unauthorised handling or disposal by others;
 - If you are dealing with hazardous / special wastes, such as asbestos, chemicals, oils or contaminated soils, you have extra legal responsibilities and are required to complete detailed ‘Special Waste Consignment Notes’; and
 - Should there be uncertainty over whether a waste is hazardous or special, advice should be sought.

3.3 Storage

- 3.3.1 The site should be kept tidy and free from litter at all times.
- 3.3.2 Segregation of waste (including metal, plastic, glass, paper and card) at the point of generation should be provided for site offices / welfare facilities and for construction activities by the use of designated storage areas / containers to ensure cross-contamination is reduced.
- 3.3.3 All storage areas / containers should be clearly labelled to identify the waste type and properties.
- 3.3.4 Waste storage areas should be appropriately secured to ensure to prevent pollution.
- 3.3.5 Controls should be in place to prevent wind blow (e.g. covered skips).
- 3.3.6 All wastes that could leach or be entrained in water should be stored in a sealed container or on an impervious surface with barriers to lateral flow.
- 3.3.7 Storage of liquid wastes should be stored in a sealed container within a secondary containment system (bund) with 110% capacity of the container.
- 3.3.8 Keep the duration of storage to the minimum required.

TG-NET-ENV-516	General Environmental Management Plan (GEMP) – Waste Management		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

3.4 Special Waste Storage

- 3.4.1 Containers used for storage of special waste should be inspected weekly for leaks and corrosion. A written record of inspections is be retained.
- 3.4.2 Take care to separate different types of special waste, e.g. different chemicals that, if mixed, could react.
- 3.4.3 Written instructions must be available on site for storing and disposing of each type of special waste.
- 3.4.4 An inventory must be maintained of all special wastes stored on site, detailing quantities and locations.

3.5 Movement

- 3.5.1 All movement of waste must be undertaken in line with the relevant waste regulations.
- 3.5.2 Any waste being transported off site must be done so by a registered waste carrier.
- 3.5.3 A Waste Transfer Note / Special Waste Consignment Note must be completed and retained prior to waste leaving the site.
- 3.5.4 Before waste is allowed to leave site, the producer must ensure that the site it is being transported to is appropriately licensed.
- 3.5.5 Vehicles transporting waste must be suitably secured so as not to allow waste to escape.

3.6 Reuse, Treatment, Disposal

- 3.6.1 All re-use, treatment and disposal of waste must be undertaken in line with an appropriate Waste Management Licence (WML) or an exemption to require a waste management licence (WMX), under the Waste Management Licensing (Scotland) Regulations 2011 (as amended).
- 3.6.2 If it can be proven that the material is not waste, it will not fall within these requirements.
- 3.6.3 A WML and WMX must be obtained from SEPA prior to undertaking the activity.
- 3.6.4 No burning of waste is permitted on site.
- 3.6.5 No fly-tipping is permitted.

TG-NET-ENV-516	General Environmental Management Plan (GEMP) – Waste Management		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: March 2024	Review Date: March 2032

4 Further Information

Some useful sites on waste management are:

- www.sepa.org.uk
- www.zerowastescotland.org.uk
- www.wrap.org.uk
- www.bre.co.uk
- www.smartwaste.co.uk
- www.ciria.org.uk
- www.netregs.org.uk

5 Revision History

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03				

General Environmental Management Plan (GEMP) – Private Water Supplies



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	Name	Title
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Contents

1	Introduction	3
2	General Compliance Requirements	3
3	Revision History	5

TG-NET-ENV-518	General Environmental Management Plan (GEMP) – Private Water Supplies		Applies to
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Revision: 1.01	Classification: Internal	Issue Date: March 2024	Review Date: March 2027

1 Introduction

- 1.1 Many construction works, including site investigation works, have the potential to impact on private water supplies (PWS). This can be through either disturbing drainage patterns (horizontally or vertically) or impacting on the quality of the water source. There is also the potential to impact on infrastructure of PWS, with pipes and tanks possibly omitted from service plans.
- 1.2 Damaging a PWS can have impacts on the health of the users, as well as severe financial and reputational impacts.
- 1.3 It is required to comply with the following in addition to any specific measures identified associated with the site.

2 General Compliance Requirements

2.1 Pre-construction

- 2.1.1 Review any consent requirement for delivering the works and undertake all required actions in relation to PWS.
- 2.1.2 All PWS located within 250 m of the proposed works must be identified prior to commencement of any works.
- 2.1.3 A risk assessment should be undertaken to identify those PWS that have the potential to be affected by the works including consideration of:
 - Type and depth of water supply source (e.g. borehole, spring or surface water abstraction);
 - Catchment area;
 - Nature of proposed works (e.g. depth and extent of any proposed excavations, potential for pollution incidents / spillage, etc.); and
 - Proximity of works to PWS and related topography of area
- 2.1.4 Should the results of this assessment indicate a risk to the PWS, then mitigation shall be developed for inclusion in a site specific PWS Protection Plan that is discussed and agreed with the PWS owner.
- 2.1.5 In certain circumstances it may be appropriate to undertake water quality testing of the source or supply, to establish a baseline of current water levels and quality. It may be required to collect baseline water quality monitoring throughout the year to establish any seasonal fluctuations in existing quality and production of the source. Baseline water quality (and potentially production capacity) monitoring should be agreed as part of the PWS protection plan.

TG-NET-ENV-518	General Environmental Management Plan (GEMP) – Private Water Supplies		Applies to
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- 2.1.6 Prepare a contingency plan to deliver an alternative water supply (on a temporary or permanent basis) in the event of an unforeseen problem with the existing supply. This may include ensuring provisions of bottled water, IBCs of potable water, fresh water bowers, replacement lengths of suitable piping and fittings to match existing infrastructure area available on site.

2.2 Construction

- 2.2.1 PWS requiring protection will have specific mitigation developed. Mitigation may include some / all of the following:
- Fence off the PWS intake (to avoid accidental damage and to deter animals) and identify relevant buffer distances;
 - Installation of silt mitigation to prevent runoff from works areas entering the PWS. Use a precautionary approach as not all flow pathways may be immediately obvious;
 - Avoid undertaking works within PWS catchments during wet weather or when wet weather is forecast as there will be increased surface water flows into the PWS which will be harder to control;
 - Use low impact access methodologies including the use of track panels where access to works are within the PWS catchment;
 - Survey and peg out the route of the distribution main in the vicinity of the construction works and avoid / minimise activity within this area; and
 - Ensure all site operatives working in the area are made aware of the location of the PWS and catchment area, and mitigation measures required through toolbox talks or similar
 - Signage should be considered to remind workers when works take place in these areas
- 2.2.2 Put in place measures to protect PWS distribution mains where they cross beneath roads / access tracks. These might include:
- Setting the existing pipe work within mass concrete;
 - Upgrading or rerouting the existing pipe work;
 - Ensuring that there are adequate pollution control and emergency response measures in place to deal with any accidents that could affect a water supply (e.g. spill response or sediment control);
 - Implementation of regular, recorded checks on any pipework (visible signs of cracking or other damage); and
 - Provision of an alternative supply (temporary / permanent), e.g. taking a surface water abstraction to a point above the works to prevent potential downstream contamination from works impacting upon the supply. (Ensure appropriate landowner agreement and CAR consent is in place.)

TG-NET-ENV-518	General Environmental Management Plan (GEMP) – Private Water Supplies		Applies to
			Transmission ✓
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2.2.3 Undertake regular health, safety and environment briefings to construction staff. Include information on:

- Presence and importance of water supply intake and distribution main nearby;
- Need to protect these from accidental damage;
- Need to act promptly if an accidental spill or pollution incident poses a threat; and
- Reporting requirements

2.2.4 Regularly monitor works and their impact on the PWS, ensuring appropriate mitigation is in place. Keep records of inspections and mitigation maintenance/ improvements. If the PWS is being impacted or has the potential to be impacted, stop those activities and seek specialist advice.

2.3 Unidentified Water Supplies

2.3.1 It is possible that previously unidentified PWS may be found during works.

2.3.2 If this happens, stop work in that location and seek specialist advice.

2.3.3 Necessary protection measures will need to be identified in consultation with the PWS owner, landowner, specialists and relevant authorities and implemented before work should resume in that location.

3 Revision History

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01	New Document Created	N/A	1.00	Richard Baldwin
02	Document reviewed and updated	TG-NET-ENV-518 General Environmental Management Plan (GEMP) – Private Water Supplies (Rev 1.00)	1.01	Richard Baldwin
03				

General Environmental Management Plan (GEMP) - Forestry



TG-NET-ENV-519	General Environment Management Plan (GEMP) - Forestry		Applies to
			Transmission ✓
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	Name	Title
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Approved by	Richard Baldwin	Head of Consent and Environment

Contents

1	Introduction	3
2	Legislation	3
3	General Compliance Requirements	3
4	Revision History	5

TG-NET-ENV-519	General Environment Management Plan (GEMP) - Forestry		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: May 2024	Review Date: May 2027

1 Introduction

- 1.1 Forestry and woodland is an important resource in Scotland. It can contribute biodiversity, climate resilience, flood regulation as well as be an important product for materials. Overall there is a large societal importance on healthy, sustainable forestry management and works to tree's needs to be carefully considered so impact is minimised and the appropriate management regime is put in place. This GEMP is to be followed by anyone working undertaking forestry works, other tree felling or arboricultural works on behalf of Scottish and Southern Electricity Networks (SSEN).

2 Legislation

- 2.1 All felling works must be authorised under an appropriate Planning Permission, Section 37 consent, Felling Licence, or permitted under The Forestry (Exemptions) (Scotland) Regulations 2019. The requirements of any consent must be adhered to at all times.
- 2.2 Landowner agreement must be in place prior to felling or other tree works taking place.

3 General Compliance Requirements

3.1 Felling/Tree Removal

- 3.1.1 No tree felling/vegetation removal should take place during the bird breeding season unless pre-felling surveys have been undertaken.
- 3.1.2 Mulching should only be used where there is a need to clear the site of tree residue or where trees or areas are too small to fell commercially (typically, a minimum top diameter of 7 cm will be commercially recovered). The resultant mulch is to be partially incorporated with the vegetation layer, or separated and made available for alternative reuse, preferably within the project.

3.2 Other Tree Works

- 3.2.1 Avoid all recognised injurious practices such as:
- Topping or lopping to an arbitrary height or branch length;
 - Pruning flush cuts;
 - Unbalancing a tree crown by excessive one-sided pruning;
 - Inappropriate use of flailing; and
 - Climbing damage – Care shall be taken to avoid injuring thin and weak barked species by inappropriate use of rope access techniques on trees (such as use of climbing irons) on trees to be retained.

TG-NET-ENV-519	General Environment Management Plan (GEMP) - Forestry		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: May 2024	Review Date: May 2027

- 3.2.2 Vegetation should be left well balanced with natural crown shapes.
- 3.2.3 If the only pruning option is to severely reduce or unbalance a tree, then coppicing, or felling and replacement planting are often better options and shall be agreed with the landowner.
- 3.2.4 Pruning must also take into account the vegetation re-growth expected in the interval between cuts. This will vary widely between plant species and sites.

3.3 Protection of Retained Trees

- 3.3.1 Avoid damaging those standing trees which are to be retained.
- 3.3.2 A root protection zone should be identified and enforced around all trees to remain on site that are within close proximity to the works area to ensure that no accidental damage is caused to the tree roots. Root protection zones should be defined in line with the British Standard 5837.
- 3.3.3 No material arising from site works are to be stored within the root protection zone or stacked against trees.

3.4 Access

- 3.4.1 Utilise brash to assist with the access requirements for felling and construction machinery and give consideration to rights-of-way by transient wildlife. In agreement with environmental specialists and landowners, small piles of brash and timber may be left on site at specific, identified locations in the interest of habitat creation and increasing biodiversity.
- 3.4.2 Access damage – Vehicle access and treatment of arisings shall avoid injury to low branches, stems, root buttresses and feeder roots. Branches should be removed by saw prior to access being taken. Breaking of limbs is not acceptable during access.

3.5 Storage of Marketable Timber

- 3.5.1 Forest roadside timber stacks should be built in a safe and stable condition and generally of a height that does not exceed product length. All timber stacking should be undertaken and managed in-line with 'FISA Safety Guide 503' and other industry best practice including 'Forestry and Land Scotland (FLS) Guidance on the safe management of timber stacks'.
- 3.5.2 Forest felling sites shall be left tidy, with all marketable timber extracted to forest roadside, brash and stumps left in a condition that meets industry best practice and stumps cut low and neatly, with any torn hinges or jagged spikes removed, to prevent them becoming a danger to site visitors as a trip hazard or an obstacle to vehicles. Remove all litter from site.

3.6 Forestry Waste

- 3.6.1 Note that forest wastes are controlled under SEPA Waste Regulations which must be adhered to.

TG-NET-ENV-519	General Environment Management Plan (GEMP) - Forestry		Applies to
			Transmission ✓
Revision: 2.00	Classification: Internal	Issue Date: May 2024	Review Date: May 2027

3.7 General Forestry Practice

3.7.1 Forestry best practice as specified by the Health and Safety Executive (HSE), Scottish Forestry, Forest Industry Safety Accord (FISA) and other Government and Non-Government Organisations should be implemented at all times. The following is provided as a guide (but not a definitive list) to the standards that should be followed during forestry works:

- The UK Forestry Standard (UKFS)
- BS3998 (2010) Recommendations for Tree Work
- BS5837 (2012) Trees in Relation to Design, Demolition and Construction
- FISA Safety Guides
- HSE Guidance and Regulations
- SEPA Guidance and Regulations
- Scottish Water Guidance

3.7.2 Spreading Disease - Appropriate regard shall be given to avoiding spreading fungal diseases. Forest Research biosecurity guidance should be followed. Consideration should be given to landowners' requirements for treating stumps.

3.7.3 Leave watercourses, culverts and ditches undamaged and clear of arisings. No felling into watercourses is allowed.

3.7.4 Local drainage systems to be maintained and not damaged or interrupted by the felling works.

3.7.5 No fires should be lit on site. Fire risk in and near wooded areas should be considered and risk assessed with additional mitigations imposed during prolonged dry periods (e.g. implementation of wider non-smoking zones).

3.7.6 No dogs permitted on active worksites.

4 Revision History

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01	New document created	N/A	1.00	Richard Baldwin
02	New branded template Expansion of 3.5.1 & 3.5.2, expansion of 3.7.1, addition of 3.7.6	TG-NET-ENV-519 Rev 1.00	2.00	Richard Baldwin
03				

General Environmental Management Plan (GEMP) – Dust Management



TG-NET-ENV-520	General Environmental Management Plan (GEMP) – Dust Management		Applies to
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	Name	Title
Author	Dan Thomas	Consents and Environment Manager
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Approved by	Richard Baldwin	Head of Consents and Environment

Contents

1	Introduction	3
2	Legislation	3
3	General Compliance Requirements	4
4	Revision History	5

TG-NET-ENV-520	General Environmental Management Plan (GEMP) – Dust Management		Applies to
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1 Introduction

1.1 There are many potential sources of dust from a construction site which need to be closely managed on an ongoing basis to ensure it is adequately controlled on site. Likely sources of dust include:

- Haul roads and access tracks;
- Yards and storage areas;
- Soil storage areas;
- Construction corridor (exposed areas following stripping);
- Material transportation;
- Transport of mud onto the public highway;
- Loading and unloading materials;
- Quarrying or blasting activities;
- Crushing / screening activities;
- Stone breaking;
- Concrete or stone cutting

1.2 Once dust particles are airborne, it is very difficult to prevent them from dispersing into the surrounding area. The most effective technique is to control dust at source and prevent it from becoming airborne.

2 Legislation

2.1 In the event of dust becoming an issue there is potential for enforcement action from the Scottish Environment Protection Agency (SEPA) or the local authority. There is also the potential for legal action, which will have cost, programme and reputation implications.

2.2 Likely actions and implications include:

- Health and & Safety implications for operatives on site and wider public;
- Nuisance to neighbours and bad publicity for the site;
- Abatement notice or enforcement action from regulators;
- Impact on project programme and budget (e.g. compliance with statutory notices relating to dust levels / abatement notices);
- Under the Clean Air Act 1993 and Part 3 of the Environmental Protection Act 1990, local authorities can impose limits on dust generated from a site;
- Impacts on ecology (e.g. impacting on plant growth, smothering of habitats, watercourse pollution, local pH changes etc)

TG-NET-ENV-520	General Environmental Management Plan (GEMP) – Dust Management		Applies to
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3 General Compliance Requirements

3.1 Planning the Works

- 3.1.1 Where Dust has the potential to become an issue, a protection plan should be developed.
- 3.1.2 A Dust Management Plan should be incorporated into the CEMP under the Air Quality Management section.
- 3.1.3 Likely sources of dust should be identified ahead of works and appropriate mitigation measures put in place to minimise the risk of dust become an issue.
- 3.1.4 Nearby potential receptors such as residential dwellings or sensitive habitats should be identified, and the works planned minimise the risk of dust impacting on these, with the adoption of up-front appropriate mitigation measures.

3.2 Avoiding Dust Generating Activities

- 3.2.1 Plan activities to ensure that, as far as practical, particularly dusty activities are not carried out in unsuitable weather conditions (i.e. very dry / windy conditions) unless suppression is in place.
- 3.2.2 Store materials away from the site boundary.
- 3.2.3 Limit vehicle speeds along stone access tracks.
- 3.2.4 Vehicles carrying bulk materials should be sheeted if could give rise to dust.
- 3.2.5 Keep height of soil stockpiles to a minimum and gently grade the side slopes.
- 3.2.6 Minimise the height of fall of materials.
- 3.2.7 Reduce the height that materials are unloaded from.
- 3.2.8 Do not use drills that are powered by compressed air unless appropriate control measures are in place.
- 3.2.9 Ensure any tools or plant which have facilities for dust suppression utilise this function.

3.3 Management and Mitigation

- 3.3.1 Inspect high risk areas daily, especially during dry weather. Keep a record of inspections and any actions identified required.
- 3.3.2 Mud should not be deposited on roads. Where applicable, wheel cleaning facilities will be provided prior to vehicles leaving site.
- 3.3.3 Keep all public roads well swept and bowse if required. Ensure a road sweeper can be commissioned locally to the site in the event of an issue arising.
- 3.3.4 Suppress dust from soil stockpiles, haul roads, stripped working corridors and material storage areas, by bowsing with water, where required.

TG-NET-ENV-520	General Environmental Management Plan (GEMP) – Dust Management		Applies to
			Transmission ✓
Revision: 1.01	Classification: Internal	Issue Date: March 2024	Review Date: March 2027

- 3.3.5 Ensure the relevant permissions and consents have been obtained for water used for suppression activities (e.g. CAR authorisation from SEPA or Standpipe Licence from Scottish Water).
- 3.3.6 Ensure efficient use of water to dampen down dust (e.g. use of diffusers to suppress wide areas with a spray/mist rather than a standard hosepipe arrangement).
- 3.3.7 Any run-off from dust suppression activities shall be controlled in line with best practice to avoid creating sediment contaminated run off.
- 3.3.8 Communicate dust management procedures to all relevant personnel and provide suitable training if required. Keep a record of appropriate training and issue of tool box talks.
- 3.3.9 Follow-up any complaints immediately and take action to avoid a repeat complaint.
- 3.3.10 Further information available in:
- BRE (2003) Control of dust from construction and demolition activities;
 - DETR (2000) Environmental handbook for building and civil engineering projects;
 - CIRIA (2005) Environmental Good Practice – site guide

4 Revision History

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01	New Document Created	N/A	1.00	Richard Baldwin
02	Review and update existing document	TG-NET-ENV-520 General Environmental Management Plan (GEMP) – Dust Management Rev 1.00	1.01	Richard Baldwin
03				

General Environmental Management Plan (GEMP) – Biosecurity (On Land)



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Contents

1	References	3
2	GEMP – Biosecurity (On Land).....	3
3	Revision History.....	6

TG-NET-ENV-521	General Environmental Management Plan (GEMP) – Biosecurity (On Land)		Applies to
			Transmission ✓
Revision: 1.02	Classification: Internal	Issue Date: May 2024	Review Date: May 2032

1 References

The documents detailed in Table 1.1 – Scottish and Southern Electricity Networks Documents below, should be used in conjunction with this document.

Table 1.1 - Scottish and Southern Electricity Networks Documents

Reference	Title
PR-NET-OPS-025	Foot and Mouth Disease

2 GEMP – Biosecurity (On Land)

2.1 General Principles of Soil Management Process

- 2.1.1 Biosecurity is important when any agricultural land, hill ground and moorland that carries stock, farm steadings, forestry and woodland, rivers and lochs and aquaculture units is entered where there is a risk of spreading pest or disease.
- 2.1.2 Biosecurity good practice will minimise the risk of contamination and the spread of animal and plant diseases, parasites and non-native species. You cannot always see disease causing agents, plant pests, parasites and non-native species and they can be picked up and carried on clothing, footwear, on vehicles and equipment to other locations.
- 2.1.3 The main risk identified for our work has been identified as the transfer of potato cyst nematode and clubroot (a brassica disease) in arable land. These are predominately spread by contaminated soil, plant matter or dung.
- 2.1.4 There is also the risk of spreading insect pests, or bacterial, viral and fungal tree pathogens in woodland areas, or causing the spread of non-native invasive species or injurious weeds.
- 2.1.5 Additionally, there are several diseases capable of being transmitted from animals to humans including Lyme Disease, Leptospirosis, E. coli O157 and Salmonella. Good hygiene practice will significantly reduce the risk of contracting or spreading a disease.

2.2 Biosecurity Control Stages

- 2.2.1 The stage of biosecurity control that should be practiced will vary according to:
 - Type of work you are carrying out
 - Use of land you are entering e.g. is it used to grow crops such as brassicas or potatoes
 - Livestock movement, some sites are governed by stricter disease control measures
 - Landowner / occupier as well as project specific requirements
 - The known presence of current pests and diseases or restrictions applied to land or premises

TG-NET-ENV-521	General Environmental Management Plan (GEMP) – Biosecurity (On Land)		Applies to
			Transmission ✓
Revision: 1.02	Classification: Internal	Issue Date: May 2024	Review Date: May 2032

2.2.2 The stages (Stage 1 and Stage 2) described below are based on Scottish Government guidelines but have been tailored to the type of works normally undertaken by us or our contractors.

2.2.3 Unless there is a specific risk or requirement Stage 1 should suffice (see below). The control measures are only the minimum recommended and the implementation of any reasonable biosecurity procedures that may go beyond this, due to the nature of the property, must be considered.

2.3 Biosecurity Control – Stage 1

2.3.1 For non-intrusive works e.g. site visits, walkover surveys and intrusive works in low risk areas i.e. where there is no know reasonable risk of the transmission of disease or pests.

- Ensure the landowner has been notified and is aware of the works/surveys to be undertaken
- Ensure all personnel have been briefed and understand what is required of them and the possible consequences of not adhering to the measures explained
- Ensure footwear is clean (visually free from soil and debris) before entering site. If necessary, brush and wash with water
- Enquire with landowner whether Stage 2 Biosecurity Control must be adopted, i.e. clean and disinfect footwear using appropriate disinfectants (please refer to Farmland Biosecurity Policy for further guidance). If request then implement Stage 2 Biosecurity Control.
- Ensure vehicles, plant and tools (including temporary access materials such as 'bog mats' and track way panels) to be used on the site is cleaned at the commencement of the works and thereafter is kept clean and, in particular, remove any accumulated mud, especially when moving between holdings
- Make use of any facilities provided at the premises to clean footwear if required by the contractor or land manager
- Keep access to a minimum, do not access areas unnecessarily and if practical do not take vehicles onto premises and keep to established tracks
- Respect any notices or instructions
- Food, Litter and packaging must be removed from site to prevent animals from eating or getting tangled up in material, litter etc
- Ensure that gates are left as they are found, as per the Scottish Government's Biosecurity Code. For more information on specific diseases refer to Scottish Government web pages

2.3.2 The minimum equipment to be carried in the vehicle should include a stiff brush, water sprayer with sufficient water to clean equipment and footwear/clothing, a hoof pick to remove mud between boot treads and suitable container.

TG-NET-ENV-521	General Environmental Management Plan (GEMP) – Biosecurity (On Land)		Applies to
			Transmission ✓
Revision: 1.02	Classification: Internal	Issue Date: May 2024	Review Date: May 2032

2.4 Biosecurity Control – Stage 2

- 2.4.1 Ensure landowner has been contacted well in advance of any works taking place. Establish whether there are any control measures needed which relate specifically to the area you are working. For intrusive works i.e. ground-breaking operations in areas which have been deemed to be high risk. Also, for all non-intrusive work e.g. site walkovers where there are specific landowner or project requirements for this level of biosecurity non-intrusive works e.g. site visits, walkover surveys and intrusive works in low risk areas i.e. where there is no known reasonable risk of the transmission of disease or pests.
- 2.4.2 High risk areas are those fields which have been either identified as having the potential to be used to grow brassicas (oil seed rape, cabbage, turnips, swede, etc) or potatoes, or any other areas deemed to be high risk by the contractor.
- Mitigations as per Stage 1
 - Clean and disinfect footwear using appropriate disinfectants (please refer to Farmland Biosecurity Policy for further guidance)
 - Ensure vehicles, plant and tools (including temporary access materials such as 'bog mats' and track way panels) are adequately cleaned and disinfected using appropriate methods. Pay particular attention to the tyres and wheel arches. This is doubly important when moving from one farm to another to reduce the risk of spreading disease
 - Contractor machinery and footwear must be cleaned between various areas within an individual holding, where it is reasonably required and there is evidence of definitive disparities in disease risk between different areas of the holding.
- 2.4.3 If the stages 1 and 2 are not anticipated to be sufficient e.g. there is a known outbreak of a contagious pest or disease, please refer to PR-NET-OPS-025 Foot and Mouth Disease, and up to date industry or Government guidance for enhanced biosecurity control.
- 2.4.4 In all cases, reference should be made to the most up to date and relevant industry or Government recognised guidance on suitable biosecurity measures. Advice on the type of disinfectant to use can be obtained from the Department for Environment, Food and Rural Affairs (DEFRA) website: <http://disinfectants.defra.gov.uk/>

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3 Revision History

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01	New Document Created	N/A	1.00	Richard Baldwin
02	Review of existing document	TG-NET-ENV-521 (Rev 1.00)	1.01	George Leggat
03	Review of existing document: - Amend requirements under 2.2.3 for reasonable additional biosecurity measures - Add in further provision re contractor machinery and footwear at 2.4.2 - Update industry and Government guidance reference at 2.4.3 and 2.4.4	TG-NET-ENV-521 (Rev 1.01)	1.02	George Leggat
04				

General Environmental Management Plan (GEMP) - Restoration



TG-NET-ENV-522	General Environmental Management Plan (GEMP) - Restoration		Applies to
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	Name	Title
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Approved by	Richard Baldwin	Head of Consents and Environment

Contents

1	Introduction	3
2	Legislation	3
3	General Compliance requirements.....	4
4	Revision History	8

TG-NET-ENV-522	General Environmental Management Plan (GEMP) - Restoration		Applies to
			Transmission ✓
Revision: 1.01	Classification: Internal	Issue Date: March 2024	Review Date: March 2027

1 Introduction

- 1.1 The way in which stripping, storage and replacement of soils / turfs is undertaken can significantly increase the successfulness of any reinstatement. The following guidance should form a basis of the restoration plan for the project.
- 1.2 Important guidance on soil management principles is contained in the Soil Removal, Storage and Reinstatement General Environmental Management Plan (GEMP) and should be followed in conjunction with this GEMP.
- 1.3 Reinstatement is the replacement of soils and vegetation set aside during works post construction, to a condition which can recover to the previous habitat present prior to works in a timely manner. Restoration is the enhancement of the ground to make good any failed reinstatement, or to enhance recovery of the habitat, or establishment of desired habitat, post construction and may include seeding / planting or other means to establish specific habitat, as may be required.

2 Legislation

- 2.1 Reinstatement and restoration obligations will be imposed on the works through the core consenting regimes, including:
 - Planning permission under the Town and Country Planning (Scotland) Act 1997 (as amended);
 - The Town and Country Planning (General Permitted Development) (Scotland) Order 1992;
 - S37 consent under the Electricity Act 1998 (as amended);
 - SSSI consent under Nature Conservation (Scotland) Act 2004 (as amended);
 - Natura Consent under Conservation (Natural Habitats, &c.) Regulations 1994 (as amended); and
 - CAR authorisations under The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended).
- 2.2 Any obligations imposed under these consents must be complied with.

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3 General Compliance requirements

3.1 Planning Construction Works

3.1.1 In planning construction works seek to avoid intrusive work wherever possible. As a result there will be less reinstatement and restoration required once construction is finished.

3.1.2 Seek to:

- Avoid major earthworks wherever possible;
- Retain natural features such as rocky outcrops;
- Avoid loss of mature trees; for example, remove young regenerating birch in preference to mature trees which may have biodiversity and landscape value and will give structure to the finished works;
- Site tracks and micro-site route around groups of trees to leave natural features rather than dissecting groups/copses;
- When crossing hedges, walls or watercourses plan to use existing gaps/ wayleaves;
- Design any permanent drainage ditches to be as natural as possible (sinuous with varied banks and alignments, etc.). Ensure Controlled Activity Regulations (CAR) compliance and that any CAR authorisations required are in place;
- Design drainage measures carefully to avoid unnecessary long-term effects on adjacent habitats which could be difficult to restore; and
- Plan all site activities to reduce the need for vehicle movements. This will help in final restoration by minimising compression etc.

TG-NET-ENV-522	General Environmental Management Plan (GEMP) - Restoration		Applies to
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3.2 Planning Restoration

3.2.1 Restoration at the end of the works will always be more successful if planned in advance. A soil management and restoration plan should be developed in advance of the works.

3.2.2 Always:

- Plan restoration in advance of working on-site. This will save time and money at a later stage and will ensure that opportunities are not lost, and a more successful outcome is achieved;
- Ensure that detailed restoration plans take account of specific habitat types and locations, including those which may be identified within any Landscape & Habitat Management Plan, or BNG report, for the project;
- Identify where soils and peat and turfs will be stored;
- Take account of all agreements made during consenting process and with landowners;
- Take account of all environmental interests, for example, seek to enhance local biodiversity (avoiding planting on sensitive archaeological or geological sites);
- Plan how monitoring of restoration will be undertaken identifying when, how frequently and by whom;
- Consider how deer pressures (grazing and wallowing) or other grazing may affect the success of planting and plan restoration works accordingly; and
- Plan restoration taking account of run-off erosion risks on steep slopes in poor conditions; be aware of the potential for sediment rich run-off to smother sensitive or newly established vegetation in poor weather conditions and seek to minimise this.

TG-NET-ENV-522	General Environmental Management Plan (GEMP) - Restoration		Applies to
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3.3 Early Works

3.3.1 Early works will help in achieving more successful final restoration. These include the following:

- Always take photographs of the site before works start to guide later restoration including of any drainage that will be disturbed;
- Strip turfs and vegetation carefully and use in temporary works to prevent erosion;
- Turfs can be stored successfully in temporary cut-off ditches in some locations which can aid water attenuation and prevent turfs / vegetation from drying out;
- Store top soil and subsoil separately according to best practice;
- Store stripped materials in the immediate vicinity (or as close as feasible) for future re-use in site restoration;
- Keep a record of where all soils and turfs are stored. Consider signage on storage areas to help identifying source and type of material storage, to assist in subsequent reinstatement;
- Remove large boulders (rather than cover) to replace in restoration works;
- Remove/ treat noxious weeds in accordance with best practice and legal requirements. Do not allow unnecessary spread or this will compromise the success of final restoration works;
- Seek to avoid compression of soils as much as possible on restoration. Drainage may be impeded and may result in extensive areas of rush being created; and
- During construction seek to avoid creating eroded areas which can be difficult to restore successfully.

TG-NET-ENV-522	General Environmental Management Plan (GEMP) - Restoration		Applies to
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3.4 Final Restoration

3.4.1 At the end of construction in any area the land and vegetation must be restored to pre-construction conditions, or as otherwise specified in any Landscape and Habitat Management Plan or BNG report. This should be done carefully and sympathetically taking account of all required mitigation and of the conditions. The following principles should also be adopted where appropriate:

- Undertake restoration works in suitable weather conditions - wet ground conditions can be difficult as can hot dry and windy spells;
- Restoration should ensure the successful integration of the site with surrounding land uses and habitats;
- All field, roadside or other boundaries disturbed during construction operations would be reinstated using the original materials (in the case of stone dykes, this having been carefully set aside for re-use) or to the original specification, and to at least the pre-existing condition, or better;
- Natural regeneration of habitats should be promoted in all appropriate areas, or as otherwise specified in any Landscape and Habitat Management Plan or BNG report;
- Where hedgerow field boundaries are removed, they are to be replanted with the same species and at the same spacing intervals, or as otherwise specified in any Landscape and Habitat Management Plan or BNG report;
- Any required replanting and / or reseedling should be undertaken at appropriate times of the year and with the agreement of landowners / occupiers (and NatureScot if within designated sites);
- Identify the most appropriate machinery to use for restoration in any area (small digger or large machine, etc.) according to the sensitivity of the habitats and the extent of areas to be restored (take advice from the site ecologist);
- Undertake small sections of the site for restoration and monitor success with input from the site environmental representative(s) before restoring large areas;
- All temporary accesses are to be restored to original condition;
- A pro-active approach to restoration i.e. use of temporary access materials such as Trackway panels and appropriate low pressure construction vehicles, particularly in areas of wet ground, is encouraged; and
- Unless otherwise specified (e.g. in landowner commitments), all decommissioned tower foundations are to be removed to 1.5 m below ground level.

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4 Revision History

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03				

General Environmental Management Plan (GEMP) – Bad Weather



TG-NET-ENV-523	General Environmental management Plan (GEMP) – Bad Weather		Applies to
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Contents

1	Introduction	3
2	General Compliance Requirements	4
3	Revision History	5

TG-NET-ENV-523	General Environmental management Plan (GEMP) – Bad Weather		Applies to
			Transmission ✓
Revision: 1.01	Classification: Internal	Issue Date: March 2024	Review Date: March 2026

1 Introduction

- 1.1 It is important to consider the implications of poor weather conditions and associated environmental risks.
- 1.2 Bad weather, particularly heavy rain, can increase the risk of significant environmental impacts during construction (for example, on sensitive habitats and increased risk of sediment laden run-off into surface waters).
- 1.3 Storm events can also impact oil storage areas and increase the risk of a loss of oil to the environment.

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2 General Compliance Requirements

2.1 General

- 2.1.1 This action plan can sit within the Emergency Response Plan section of the CEMP and should allow for occurrence of heavy rain, high winds, heavy snow, prolonged freezing condition and periods of dry weather.
- 2.1.2 The weather forecast should be checked daily and changes to work activities or mitigation requirements implemented on an ongoing basis.
- 2.1.3 Identify and communicate any areas of flood risk. SEPA flood mapping can assist in this but should not be the sole information used in any risk assessment.
- 2.1.4 Ground conditions should be checked regularly, and assessment made as to whether they are suitable for the proposed site activities.
- 2.1.5 Check whether plant is causing damage on site because of poor ground conditions exacerbated by bad weather.
- 2.1.6 Plan for high run-off in advance and Identify protection measures (silt traps, straw bales and booms, etc.).
- 2.1.7 Check for any materials stored close to watercourses during construction activities which could be washed into the water in times of storm.
- 2.1.8 During times of excessive rainfall and ground saturation, stripping and reinstatement works should not be undertaken.
- 2.1.9 Check any containment bunds (oil storage, concrete washout etc) have the appropriate capacity and empty if necessary, to prevent any un-controlled discharge.
- 2.1.10 Ensure all skips and waste containers are covered / closed to minimise water ingress.
- 2.1.11 Emergency response plans should take account of bad weather. Identify an action plan before construction starts that identifies measures to implement in times of extreme weather.
- 2.1.12 Consider the use of a visual display board which can be used to alert site staff to the expected weather and the necessary preparations that are required.
- 2.1.13 Keep site records of weather experienced through site diary, including through installation of weather station at site compound (or use of local nearby weather stations), to record such detail as temperature, wind speed and rainfall. Data should be made available to SSEN, along with any variation to planned activities due to weather/ forecast.

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3 Revision History

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