

Intended for  
**Viking Energy Wind Farm LLP**

Date  
**May 2024**

Project Number  
**1620009158**

# **VIKING ENERGY WIND FARM PLANNING MONITORING OFFICER AUDIT REPORT 043: 20<sup>TH</sup> APRIL TO 17<sup>TH</sup> MAY 2024**

**VIKING ENERGY WIND FARM  
PLANNING MONITORING OFFICER AUDIT REPORT  
043: 20TH APRIL TO 17TH MAY 2024**

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## 1. AUDIT DETAILS

### 1.1 Audit Details

<b>Audit Number</b>	PMO 043
<b>Location</b>	Substation Kergord Sandwater Road Nesting North Nesting Main Compound
<b>Weather Conditions</b>	Sunny, dry, 13°C
<b>Audit Date</b>	15 <sup>th</sup> May 2024
<b>Audit Period</b>	20 <sup>th</sup> April – 17 <sup>th</sup> May 2024
<b>Audit Owner</b>	Ramboll UK Ltd

### 1.2 Distribution

<b>Position</b>	<b>Action</b>
Ramboll Project Director Planning Monitoring Officer	For information
SSE Renewables Development Manager	For information
SSE Renewables Consents Manager	For information
SSE Renewables Environmental Advisor	For information
SSE Renewables Vestas Package Manager	For information
RJ McLeod Design Management Engineer	For Information
Shetland Islands Council Planning Enforcement Officer	For information
Shetland Islands Council Natural Heritage Officer	For information

### 1.3 Terms of Reference

This audit has been completed with reference to the following key documents:

- Application under Section 36C of the Electricity Act 1989 to vary the consent granted under Section 36 of that Act on 4 April 2012 to construct and operate the Viking Wind Farm located in Shetland Islands Council Planning Authority Area and for a direction under Section 57 of the Town and Country Planning (Scotland) Act 1997 for planning permission to be deemed to be granted in respect of the proposed development (i.e. the 'Variation Application').

The Viking Wind Farm project will comprise the construction of 103 wind turbines with a turbine tip height of 155 m; development of a temporary construction compound; construction of associated access tracks; development of a substation; development of a convertor station; erection of permanent Met Masts; and the excavation of borrow pits.

The project was consented as detailed above, receiving Section 36C Consent and deemed planning permission on the 24<sup>th</sup> of May 2019.

Separate planning consents are in place for the following specific aspects of the development:

- Construction of the Kergord Access Track<sup>1</sup> (consented on the 29<sup>th</sup> of April 2019).
- Re-alignment of Sandwater Road<sup>2</sup> between the Burn of Weisdale and the junction with the A970 to facilitate construction access for the Viking Wind Farm (consented on the 26<sup>th</sup> of May 2020).
- Formation of temporary construction compounds at two locations; Sandwater (Main)<sup>3</sup>, consented on 22<sup>nd</sup> June 2020; and North (South of Voe)<sup>4</sup> consented on the 9<sup>th</sup> of September 2020.

**1.4 Role of the Planning Monitoring Officer**

Condition No. 3 of the Variation Application states that:

“No development shall commence unless and until the Planning Authority has approved in writing the terms of appointment by the Company of an independent and suitably qualified environmental consultant to assist the Planning Authority in monitoring compliance with the terms of the deemed planning permission and conditions attached to this consent (a Planning Monitoring Officer (“PMO”). The terms of the appointment shall:

- Impose a duty to monitor compliance with the terms of the deemed planning permission and conditions attached to this consent;
- Require the PMO to submit a monthly report to the Planning Authority summarising works undertaken on site; and
- Require the PMO to report to the Planning Authority any incidences of non-compliance with the terms of the deemed planning permission and conditions attached to this consent at the earliest practical opportunity.

The PMO shall be appointed on the approved terms throughout the period from Commencement of Development to completion of post construction restoration works.

In order to discharge the above requirements, the PMO undertakes site-based audits at monthly intervals to monitor the compliance with the conditions of the consent. The primary documents used for compliance monitoring are the Construction Environmental Management Plan (CEMP); and the Pollution Prevention Plan (PPP). Additional documents will be referenced as required for specific detail.

The following traffic light system is used to indicate action status:

	Green – activities appear to be compliant with the CEMP, PPP and other applicable environmental management procedures and plans and there are no other issues.
	Amber – in general activities are compliant with the CEMP, PPP and other applicable environmental management procedures and plans but there are minor actions required.
	Red – activities may not be compliant with the CEMP, PPP and other applicable environmental management procedures and there are critical actions.

<sup>1</sup> Shetland Islands Council Planning Reference No: 2018/096/PPF

<sup>2</sup> Shetland Islands Council Planning Reference No: 2019/079/PPF

<sup>3</sup> Shetland Islands Council Planning Reference No: 2019/188/PPF

<sup>4</sup> Shetland Islands Council Planning Reference No: 2019/210/PPF

## **1.5 General Limitations and Reliance**

This report has been prepared by Ramboll UK Limited ("Ramboll") exclusively for the intended use by Viking Energy Wind Farm LLP (the "client"). No other warranty, expressed or implied, is made as to the professional advice included in this report or in respect of any matters outside the agreed scope of the services or the purpose for which the report and the associated agreed scope were intended, or any other services provided by Ramboll.

In preparation of the report and performance of any other services, Ramboll has relied upon site observations, publicly available information, information provided by the client and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to Ramboll was accurate, complete and available to Ramboll within the reporting schedule.

Ramboll's services are not intended as legal advice, nor an exhaustive review of site conditions and/or compliance. This report and accompanying documents are intended to form a record for the purpose of documenting compliance with Condition No. 3 of the Variation Application.

Ramboll neither owes nor accepts any duty to any third party, unless formally agreed by Ramboll through that party entering into, at Ramboll's sole discretion, a written reliance agreement.

## 2. INTRODUCTION

### 2.1 Objectives of Audit

The purpose of the PMO Audit is to monitor the provision of appropriate environmental management at active work sites of the project, via desk-based review of relevant documentation and site visits to be undertaken on a monthly basis to ensure compliance with the conditions of the planning consent and associated environmental management plans.

### 2.2 Scope of Audit

The scope of the audit was as follows:

- Liaison with Shetland Islands Council (SIC) regarding public concerns or complaints received during the audit period (if any).
- A site visit attended by the PMO and SSE Renewables Environmental Advisor as undertaken on the 15<sup>th</sup> May 2024. The site visit included the observation of the following locations:
  - Sandwater Road;
  - Kergord;
  - Substation;
  - North Nesting;
  - Main compound; and
  - Nesting.
- Virtual update meetings were undertaken between the PMO and SSER Geotechnical Clerk of Works (GCoW), Environmental Clerk of Works (ECoW), Archaeological Clerk of Works (AcoW), and Vestas package manager.

A selection of photographs taken during the audit are included in Appendix 1.

### 2.3 Site Personnel

The following site personnel were interviewed as part of this audit:

Company	Position
RJ McLeod (RJM)	Design Management Engineer
Tony Gee and Partners	Geotechnical Clerk of Works
MBEC	Environmental Clerk of Works
Headland Archaeology	Archaeological Clerk of Works
SSE	Vestas Package Manager
SSE	Environmental Advisor

## 3. SITE SETTING, RECORDS AND OBSERVATIONS

Observations made during the audit are described in this section. Corresponding photographs are included in Appendix 1, alongside a plan of the site indicating the location of each photograph. The turbine numbers used in the site plan have been updated to the operational numbering. The turbine numbering system previously shown is being phased out following completion of turbine erection.

With all turbines now erected, work across the site is focussed on electrical commissioning. Turbines were noted to be in a 'preservation' mode with hybrid generators in place at each turbine across the site. The majority of civil engineering work is now complete, with localised activities ongoing to deliver reinstatement work, e.g. construction of permanent headwalls on watercourse crossings, borrow pit restoration.

### 3.1 Kergord

#### 3.1.1 Site Setting and Activities

Access to the Kergord Arrays is taken via the Kergord Access Track (KAT), which is accessed from the Sandwater track along the southern boundary of the central area of the development.

Activities observed in this area during the audit included borrow pit reinstatement and demobilisation and internal wind turbine commissioning works. All turbines in the area have been erected and are now undergoing sequential commissioning.

#### 3.1.2 Observations

Demobilisation of KBP05 was close to complete, with temporary cabins and temporary bund removed, and final items awaiting removal by the road side on the day of the visit (Photo 1). Access to the Anderson Track has been completed (Photo 2).

Permanent drainage by KBP03 was observed to be in good condition (Photos 3 and 4). Discussion on a permanent alternative treatment system for downstream of KBP02 is still ongoing between SSE and specialists. In the meantime, RJM continues to maintain the temporary system.

Following the April report, silt fences by Junction 9 remained full during the audit (Photo 5). RJM has been notified and this item continues to be on their mitigation log. The removal of silt fences has begun in Kergord with those at Junction 5 fully removed. The silt fences at Junction 9 should be cleaned out in the coming weeks when the silt fence is due to be removed. This should be monitored in the next audit.

The culvert by T018 discharging directly onto peat as reported in April remains unchanged. This has been flagged to both SSE and RJM and should be monitored in the next audit. A natural pond with silt has been observed by watercourse crossing 3 (WC03) between T007 and T008 (Photo 6). SSE has recommended for that area to be built as a permanent settlement pond.

New land boundary fencing to re-establish land ownership continues to be installed across Kergord.

### 3.2 Mid Kame Ridge and Sandwater Track

#### 3.2.1 Site Setting and Activities

The Mid Kame Ridge (MKR) is accessed from the Sandwater track and stretches northwards to Hamarigrind Scord.

### 3.2.2 Observations

The Sandwater track area was observed during this audit visit. Mid Kame Ridge was not observed during this visit.

During the visit, the Sandwater track was closed to undergo final preparations ahead of being covered in tarmac in the coming weeks (Photo 7). During the visit, temporary track stripping at the Burn of Weisdale Cross on KAT was observed (Photo 8). Drainage and culverts under Sandwater track were observed from B9075 and noted to be in good condition (Photo 9).

A peat movement event was recorded on the 8<sup>th</sup> May 2024 on a section of cable track being prepared by SSEN (under CDM transferred to them from RJM). The section of cable track where the event occurred runs parallel with the new Sandwater Road on the shallow downslope approach into Kergord Valley. The incident was reported in the local media on the day of the event. The PMO understands that SSEN is currently investigating the event and will remediate the area once it is deemed safe. The ACoW, ECoW, and GCoW have since been informed of the event and will review the remediation plans drafted by SSEN once received. All remedial action will be carried out by SSEN and monitored by SSER.

On the day of the visit, the area of the peat movement event was still on safety stand-down. The PMO observed the event area from B9075 and noted that the peat movement did not reach the public road nor the Burn of Weisdale downslope (Photo 10). Mitigation measures had been implemented to prevent any silty washout from migrating to the burn.

## 3.3 North Compound

### 3.3.1 Site Setting and Activities

The North Compound is located towards the northern limit of the site on the eastern side of the A970. The creation of a new recreational carpark is proposed for the North Compound, and a planning application has been submitted to SIC.

### 3.3.2 Observations

The North Compound was not observed during this visit. It is noted that the planning application for the new recreational carpark has been submitted and is awaiting approval.

## 3.4 North Nesting

### 3.4.1 Site Setting and Activities

The northern Nesting turbine arrays are located towards the northern limit of the site on the eastern side of the A970.

Activities observed in this area during the audit included borrow pit reinstatement and internal Wind Turbine commissioning works. All turbines in the area have been erected and are now undergoing sequential commissioning.

### 3.4.2 Observations

The removal of silt fences has begun in North Nesting.

The ECoW reported observations of a potential nest building on the stairway of T052, suspected from hooded crows or starling. A traffic cone was placed on the stairway to act as deterrent and to encourage nesting at a more beneficial location. The mitigation appears to have worked as there was no evidence of a nest during the visit and the cone has been removed.

### **3.5 Main Compound**

#### **3.5.1 Site Setting and Activities**

The Main Compound is located at the southern extent of the site, accessed from the A970. The lower level comprises car parking and site offices and welfare facilities. The upper level is in use for material and equipment laydown.

#### **3.5.2 Observations**

Following the observations noted in the February, March and April audits, the main compound was visited again. It was observed that previously missing signages on waste skips have now been replaced. The clearing out of the upper level has just begun with some items being moved to the lower level. The PMO observed missing signage on new waste skips (Photo 11) and a door missing on one of the storage units (Photo 12). This should be observed during the next audit.

### **3.6 Nesting**

#### **3.6.1 Site Setting and Activities**

The Nesting arrays are accessed from the A970.

Activities observed in this area during the audit included borrow pit reinstatement, reprofiling of road and internal Wind Turbine commissioning works. All turbines in the area have been erected and are now undergoing sequential commissioning.

#### **3.6.2 Observations**

RJM continues to be in the process of designing permanent drainage for NBP05 to accommodate native woodland. During the visit, some natural vegetation growth has been observed on the edge of NBP05 (Photo 13).

It is understood that the outstanding works required at geotechnical event GE016 (corresponding to a movement of peat located on the eastern side of NBP05) have been agreed with RJM and will be actioned before end of June 2024. The agreed works are to remedy one of the historic small events and further surface drainage is to be installed.

The larger pond at the top of the drainage system at T076 was observed to be silted up during the audit visit (Photo 14), as also noted in the March and April Report. However, despite the larger pond being full, with the installment of more check dams, the downstream drainage was observed to be clear running into the burn. It is important to note that the weather was dry and clear during the audit and hence, recommendations are for the silt at the top pond to be removed to improve efficiency. Drainage in this area should continue to be monitored by the project team and continue to be observed during future audits.

A temporary hybrid generator located next to T092 caught fire on 29<sup>th</sup> December 2024, as discussed in previous reports. The investigation by independent environmental consultancy is still ongoing.

An active water bowser was observed during the PMO visit. Tracks in Nesting were damped down during the visit and have been observed to successfully suppress dust (Photo 15). With the reduced activity on site, RJM confirmed that there are two water bowsers on site with at least one active during working hours. Should the condition and activity level change, there are three tractors available on call as water bowser support.

### 3.7 Substation

#### 3.7.1 Site Setting and Activities

The Substation occupies the northern third of the HVDC Converter Station Platform located in the Kergord Valley, between Mid Kame Ridge and Kergord. Access to the Substation is taken via the KAT. Only the substation area is subject to the PMO audit.

#### 3.7.2 Observations

Following the April report, fire extinguishers has been replaced and can be observed by the two remaining generators (Photo 16). The missing waste skip signages have also been replaced.

### 3.8 Communication with SSER Clerks of Work

#### 3.8.1 GCoW

Condition 39 of the planning consent requires the appointment of a Geotechnical Clerk of Works (GCoW) to minimise the risk of peat failure arising from the development. Updates were obtained from the GCoW on 7<sup>th</sup> May and 17<sup>th</sup> May.

The GCoW has confirmed that there is no longer a necessity for full-time presence, there is however protocol in place for the GCoW to be called upon when required. The GCoW confirmed that they have completed a scheduled visit in May and have no geotechnical concerns. The GCoW noted that the revised drainage at T008 is in good condition and negates previously raised stability issues. Discussions around borrow pit reinstatement, peat risk register and geotechnical events remedial action are on-going.

As reported in Section 3.2.2, SSEN is still in safety stand-down following recent peat movement event and hence no action is currently outstanding with the GCoW.

#### 3.8.2 ECoW

Condition 19 of the planning consent requires the appointment of an Ecological Clerk of Works (ECoW) to ensure protection of the natural heritage of the area. An update was provided by the ECoW on 13<sup>th</sup> May 2024.

Borrow pit reinstatement is being closely monitored by the ECoW. Inspection and monitoring of the additional surface water management measures put in place downgradient from NBP05 are on-going. Discussion are ongoing regarding the design of permanent drainage at NBP05 to accommodate a native woodland.

The ECoW commented that the settlement ponds put in place in the area around T076 are working well; however, these had recently silted up and have been recommended to be removed, as discussed in Section 3.6.2.

ECoW noted that discussion around a permanent passive treatment system at KBP02 and T026 is ongoing.

Following the peat movement event reported in Section 3.2.2, the ECoW recommended continuous monitoring of Burn of Weisdale which is downslope of the event. No environmental consequence was noted and the Burn continues to run clear.

With the dry season beginning, the ECoW noted the importance of dust mitigation.

The ECoW noted good practice by RJM on reporting bird sightings near activity areas.

### 3.8.3 ACoW

Condition 29 of the planning consent requires the appointment of an Archaeological Clerk of Works (ACoW) to ensure archaeological features are protected and recorded during the development. As noted in the March audit, it has been agreed by Shetland Amenity Trust that no further visits are required by the ACoW unless excavation is required.

An update was provided by the ACoW on 16<sup>th</sup> May 2024, following being contacted by SSE regarding the peat movement event as reported in Section 3.2.2. The ACoW is awaiting information from SSE regarding the extent and exact location of the peat movement event to assess potential impact and subsequent mitigation as a result of the event. Upon initial review, the ACoW does not anticipate impact from a heritage point of view and have notified Shetland Amenity Trust of the event and procedure.

### 3.8.4 Vestas Package Manager

A discussion was held between the SSE Package Manager for the Vestas works and the PMO on the 9<sup>th</sup> May 2024.

Vestas confirmed that most of the remaining work is internal to the turbines, causing minimal disruption. At the time of the discussion, all 103 turbines are in preservation mode awaiting connection to the substation.

Regarding the temporary hybrid generator fire incident at T092, Vestas has confirmed that delineation sample results remain with independent environmental consultancy for interpretation. Vestas is awaiting conclusion from interpretation to determine the need for any additional remedial works, as reported in Section 3.6.2.

Further investigation of the potential SF6 gas leak, including investigation with their suppliers has been completed as reported in April. Reports of investigation has been checked during this PMO audit confirming the results.

## 3.9 Communication with SIC

The PMO asked SIC if there had been any observations or complaints from members of the public regarding activities on site. SIC confirmed it had received one complaint relating to dust being observed in Upper Kergord, Sandwater and Mid Kame Ridge on 6<sup>th</sup> May 2024. SSE raised observations with RJM on the same day and dust suppression protocol is detailed in Section 3.6.2.

SSE notified SIC of the peat movement event on 8<sup>th</sup> May 2024. SSER confirmed that they are supporting their colleague SSEN where required. More details are provided in Section 3.2.2.

## 3.10 Scope of next audit

The scope of the next PMO audit will be dependent on the specific activities undertaken at the development site in the preceding days and weeks. A planned schedule of audit visits has been agreed in principle between the PMO, SIC and SSE Renewables. Progress against programme will be monitored as the works progress to inform the audit schedule from August 2024 onwards.

It is noted that the development has transitioned from the construction phase into the "snagging phase", whereby completed works are offered to SSE for review and feedback on issues that might need to be resolved before acceptance. There are also observations from this visit that need to be re-visited during the next audit. Scope of the next audit visit is likely to include:

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- Update on progress of works at Kergord, Mid Kame Ridge, Sandwater Road, North Compound and North Nesting, Main Compound, Nesting and Substation.
- Consideration of any comments received by the SIC or the Developer in relation to the works, including visits to view specific areas of concern.
- Update on the site wide reinstatement works.
- Update on transfer of compounds to SIC (in the case of the north compound) or reinstatement proposals, including for the main compound.
- Update on borrow pit detailed restoration, particularly on water management at NBP05, demobilisation and remedial works at KPB05 (for GE16).
- Update on road upgrade at Sandwater Road.
- Update on silt fences by Junction 9.
- Update on culvert by T018.
- Update on Main Compound storage and waste skips.
- Updates from the ACoW, ECoW and GCoW teams.

## 4. AUDIT FINDINGS AND REQUIRED ACTIONS

Issue	Auditor Comments	Required Action	Action Owner	Status
Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).	<p>Peat restoration areas are managed through the project Habitat Management Plan and by a dedicated HMPO which balances the geotechnical and ecological objectives of the restoration.</p> <p>Potential risks relating to storage of peat are recorded on the PRRs and communicated to the Principal Contractor to allow mitigation / monitoring to be undertaken. The PMO will request evidence in future audits to confirm compliance with requirements for GCoW and ECoW approval of proposed peat restoration areas.</p> <p>The project COSHH stores are typically used for the storage of maintenance oils and greases. The stores were all locked and the assessment for each substance was readily available in each store. The stores were bunded and no leaks or staining was observed around the stores.</p>	No action required.	Vestas/ Principal Contractor	Green
Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).	<p>Some missing skip signage was observed at the Main Compound. Signage issues has been reported missing at the Main Compound during the last audit visits.</p> <p>A door was observed to be missing at one of the storage units at the Main Compound.</p>	SSE to replace missing signage and continue maintaining signage at skips.	SSE	Green
Natural and Built Environment (e.g. ecology, biosecurity, protected sites, archaeology and site restoration).	Ecological constraints identified by the ECoW team are communicated to the Principal Contractor and Developer to allow mitigation measures to be implemented and rescheduling of preparatory and construction work as required.	No action required.	N/A	Green

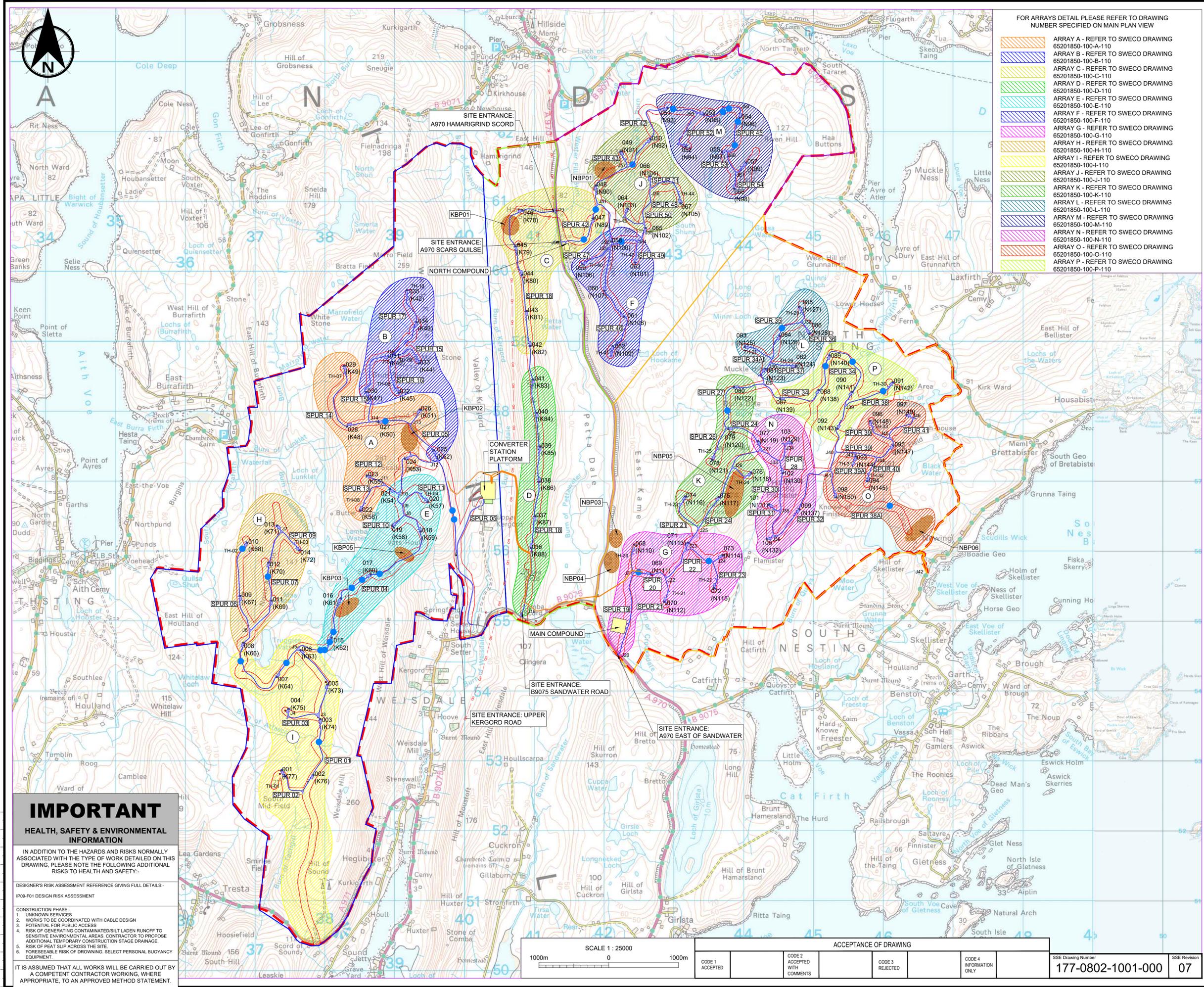
Issue	Auditor Comments	Required Action	Action Owner	Status
	<p>These are also marked out by poles on the site and included on ecological sensitive plans issued to the Principal Contractor.</p> <p>Watching briefs have been undertaken by the ACoW where potential archaeological constraints are identified. Where there are known archaeological features, the track is micro-sited to avoid the feature.</p>			
<p>Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).</p>	<p>The project has received authorisation to abstract water from eight locations from SEPA. The authorisation allows the water to be used for dust suppression management. The PMO has reviewed documents confirming that the appropriate registration is in place with SEPA under The Water Environment (Controlled Activities) (Scotland) Regulations 2011, as amended.</p> <p>The project continues to improve the pollution prevention measures with additional measures installed in high-risk areas (e.g. downstream of KBP02). The PMO observed effective measures in place including but not limited to cut off drains, settlement ponds, silt controls, track side ditches and water pump reactor.</p>	<p>No action required.</p>	<p>N/A</p>	<p>Green</p>
<p>Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).</p>	<p>The SSE Renewables Environmental Manager notified the PMO in March 2023 that there have been some exceedances of Environmental Quality Standards of some trace metals in water quality sampling in the Burn of Lunklet.</p>	<p>Investigation into the source of the trace metals is ongoing. Short-term mitigation measures have been implemented as per the SEPA accepted mitigation plan with long-term mitigation strategy progressing.</p>	<p>VEWF</p>	<p>Amber</p>

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Issue	Auditor Comments	Required Action	Action Owner	Status
Pollution Prevention and Waste (e.g. use of spill kits and littering)	All generators are now hybrid type.  Plant nappies to be used under all generators	Audits to be on-going on the use of plant nappies. Plant nappies to be installed where absent.	VEWF	Amber
Noise, Dust, and Air Quality	One complaint regarding Dust had been received by SIC during the audit period. The weather had been particularly dry during this time.  No complaints on Noise or Air Quality had been received by SIC during the audit period.	Continued monitoring of dust conditions and implementation of control measures during dry periods; ongoing liaison as required with other construction operators.	N/A	Green
Resources, Waste and Transport.	The project manages wastes through a Site Waste Management Plan, the plan identifies the contractors transferring the waste and the disposal sites. Documents are retained in line with regulatory requirements.	No action required.	N/A	Green
Pre-Planning Works (e.g. site set-up and general management, access tracks, community liaison).	Evidence of pre-planning works observed and reported during the audit included ongoing monthly ACoW visit and ongoing ECoW supervision of ongoing reinstatement work and water quality monitoring on the Burn of Lunklet and the Weisdale Tributary.	No action required.	N/A	Green

## **APPENDIX 1**

### **SITE LOCATION PLAN, PEAT RESTORATION PLAN AND PHOTOLOG**



FOR ARRAYS DETAIL PLEASE REFER TO DRAWING NUMBER SPECIFIED ON MAIN PLAN VIEW

- ARRAY A - REFER TO SWECO DRAWING 65201850-100-A-110
- ARRAY B - REFER TO SWECO DRAWING 65201850-100-B-110
- ARRAY C - REFER TO SWECO DRAWING 65201850-100-C-110
- ARRAY D - REFER TO SWECO DRAWING 65201850-100-D-110
- ARRAY E - REFER TO SWECO DRAWING 65201850-100-E-110
- ARRAY F - REFER TO SWECO DRAWING 65201850-100-F-110
- ARRAY G - REFER TO SWECO DRAWING 65201850-100-G-110
- ARRAY H - REFER TO SWECO DRAWING 65201850-100-H-110
- ARRAY I - REFER TO SWECO DRAWING 65201850-100-I-110
- ARRAY J - REFER TO SWECO DRAWING 65201850-100-J-110
- ARRAY K - REFER TO SWECO DRAWING 65201850-100-K-110
- ARRAY L - REFER TO SWECO DRAWING 65201850-100-L-110
- ARRAY M - REFER TO SWECO DRAWING 65201850-100-M-110
- ARRAY N - REFER TO SWECO DRAWING 65201850-100-N-110
- ARRAY O - REFER TO SWECO DRAWING 65201850-100-O-110
- ARRAY P - REFER TO SWECO DRAWING 65201850-100-P-110

**NOTES**

1. CONTAINS ORDNANCE SURVEY DATA RECEIVED FROM SSE ON 27.08.2020.
2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES AOD UNLESS SHOWN OTHERWISE.
3. TURBINE LOCATIONS BASED ON "VIKING MICROSITING TRACKER" DATED 24.07.2020.
4. ACCESS TRACKS AND HARDSTANDINGS BASED ON SSE LAYOUT: "S15056-TG-XX-XX-M3-C-1000\_ALL\_SPURS\_HARDSTANDS-P01". ARRAY LAYOUTS SUBJECT TO VALUE ENGINEERING DESIGN BY RJM.
5. FOR CULVERT CATCHMENT ASSESSMENT REFER TO SWECO DRAWING 65201850-100-101.

**LEGEND**

- SITE PLANNING BOUNDARY
- PROPOSED NEW TRACK
- PROPOSED CONSTRUCTION COMPOUND
- PROPOSED COMPOUND
- PROPOSED BATCHING PLANT
- BORROW PIT SEARCH AREA
- PROPOSED WTG LOCATION
- AREA 1 - WEST (KERGORD)
- AREA 2 - RIDGE (KERGORD CENTRAL)
- AREA 3 - EAST (NESTING SOUTH)
- AREA 4 - NORTH (NESTING NORTH)
- PROPOSED WATERCOURSE CROSSING
- 50m MICROSITING
- SANDWATER ROAD
- CROSS COUNTRY CABLE ROUTES
- ARRAY GROUPS

Rev.	Date	Amendment Details	Drawn	Chk'd	App'd
05	16.01.23	FOR CONSTRUCTION SSE REV07	AF	RE	RY
04	27.01.22	FOR CONSTRUCTION SSE REV06	BH	RP	CM
03	07.07.21	FOR CONSTRUCTION SSE REV05	BH	RP	KS
02	08.06.21	FOR CONSTRUCTION SSE REV04	BH	RP	KS
01	23.02.21	FOR CONSTRUCTION SSE REV03	BH	RP	KS

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Client: **FOR CONSTRUCTION**

Project Title: **VIKING WIND FARM**

Drawing Title: **SITE GENERAL ARRANGEMENT**

Scale	Designed	Drawn	Checked	Approved
Original Size	Date	Date	Date	Date
A1	11.09.20	11.09.20	17.09.20	17.09.20
Drawing Number:	65201850-100-100			Revision: 05

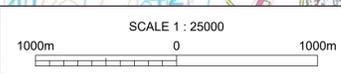
**IMPORTANT HEALTH, SAFETY & ENVIRONMENTAL INFORMATION**

IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING ADDITIONAL RISKS TO HEALTH AND SAFETY:-

DESIGNER'S RISK ASSESSMENT REFERENCE GIVING FULL DETAILS:-  
IP09-F01 DESIGN RISK ASSESSMENT

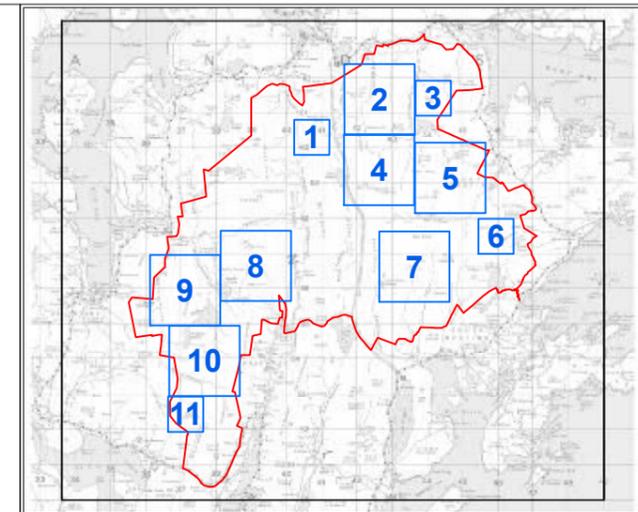
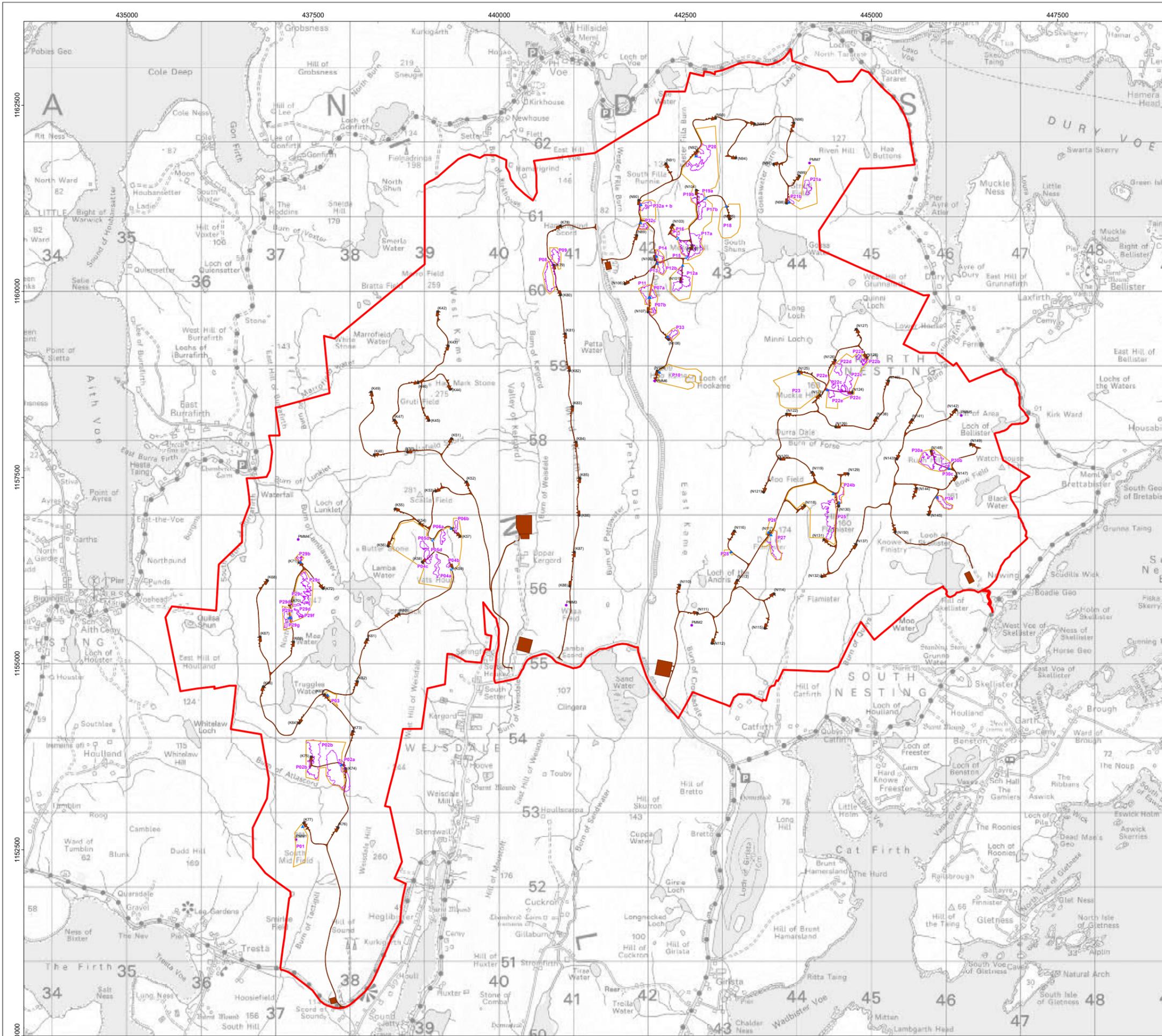
CONSTRUCTION PHASE:-  
1. UNKNOWN SERVICES  
2. WORKS TO BE COORDINATED WITH CABLE DESIGN  
3. POTENTIAL FOR PUBLIC ACCESS  
4. RISK OF GENERATING CONTAMINATED/SILT LADEN RUNOFF TO SENSITIVE ENVIRONMENTAL AREAS. CONTRACTOR TO PROPOSE ADDITIONAL TEMPORARY CONSTRUCTION STAGE DRAINAGE.  
5. RISK OF PEAT SLIP ACROSS THE SITE.  
6. FORESEEABLE RISK OF DROWNING. SELECT PERSONAL BUOYANCY EQUIPMENT.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.



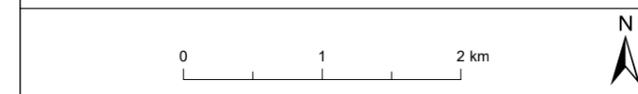
ACCEPTANCE OF DRAWING			
CODE 1 ACCEPTED	CODE 2 ACCEPTED WITH COMMENTS	CODE 3 REJECTED	CODE 4 INFORMATION ONLY

SSE Drawing Number	SSE Revision
177-0802-1001-000	07



- Legend**
- Site Boundary
  - Turbine
  - Permanent Met Mast
  - Indicative Cattle Grid Location
  - Indicative Gate Location
  - Fencing
  - HMP Phase 1 - Areas of Peat Deposition and Profiling
  - Microsited Site Layout

**Note 1:** Phase 1 areas beyond the fence line are to allow cable laying and access.  
**Note 2:** Areas within the fence line not noted as HMP Phase 1 will be subject to Phase 2 Technique considerations.



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 Project Name

## VIKING ENERGY WIND FARM

### Drawing Title PEAT RESTORATION

Rev	Date	Remarks	Drwn	Chkd
R0	23/02/2021	First Issue	TD	EM
R1	12/01/2022	Revised HMP	AM	DM
R2	04/02/2022	Fencing boundary changes, gates and cattle grids added	AM	DM

Drawing Number  
LN000046-VIK-ENV-SK-0040-01

Scale 1:18,000	Plot Size A0	Datum OSGB36	Projection BNG
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**Photo 1.** Final items awaiting removal from KBP05



**Photo 2.** Completed access to Anderson Track

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 3.** Drainage channel from KBP03 going into culvert



**Photo 4.** View of culvert downstream of KBP03

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 5.** Full silt fences at Junction 9



**Photo 6.** Recommended location for settlement pond by WC03

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 7.** Sandwater track being closed to undergo final preparations ahead of tarmacking



**Photo 8.** Road stripping at the Burn of Weisdale Cross on KAT observed

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 9.** View of Sandwater track culvert from B9075, observed to be in good condition



**Photo 10.** View of Burn of Weisdale downslope of peat movement event

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 11.** Missing signage on new skips by Main Compound



**Photo 12.** Missing door on storage unit by Main Compound

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 13.** Natural vegetation growth observed at the edge of NBP05



**Photo 14.** Silt observed at the top of T076 drainage

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024



**Photo 15.** Observation of truck driving on road following dust suppression



**Photo 16.** Replaced fire extinguisher at the Substation

<b>Title:</b> Photographic Log	<b>Client:</b> Viking Energy Wind Farm
<b>Site:</b> Viking Energy Wind Farm	<b>Date:</b> 15 <sup>th</sup> May 2024

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