

Intended for
Viking Energy Wind Farm LLP

Date
August 2024

Project Number
1620009158

VIKING ENERGY WIND FARM PLANNING MONITORING OFFICER AUDIT REPORT 046: 20TH JULY TO 18TH AUGUST 2024

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046: 20TH JULY TO 18TH AUGUST 2024**

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1. AUDIT DETAILS

1.1 Audit Details

Audit Number	PMO 046
Location	Kergord Sandwater Road Nesting North Nesting Main Compound
Weather Conditions	Sunny, windy, dry, 15°C
Audit Date	14 th August 2024
Audit Period	20 th July – 18 th August 2024
Audit Owner	Ramboll UK Ltd

1.2 Distribution

Position	Action
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 24th of May 2019.

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

- Construction of the Kergord Access Track¹ (consented on the 29th of April 2019).
- Re-alignment of Sandwater Road² between the Burn of Weisdale and the junction with the A970 to facilitate construction access for the Viking Wind Farm (consented on the 26th of May 2020).
- Formation of temporary construction compounds at two locations; Sandwater (Main)³, consented on 22nd June 2020; and North (South of Voe)⁴ consented on the 9th 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.

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

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

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

⁴ 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 (SSER) Environmental Advisor as undertaken on the 14th August 2024. The site visit included the observation of the following locations:
 - Sandwater Road;
 - Kergord;
 - Nesting;
 - North Nesting; and
 - Main compound.
- 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 the completion of turbine erection.

With all turbines now erected, work across the site is focussed on electrical commissioning and testing. The wind farm is currently providing the power required for the HVDC commissioning works. In most locations, turbines have been commissioned with temporary generators removed. 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 drainage works and internal wind turbine commissioning works. All turbines in the area have been erected and are now undergoing sequential commissioning.

3.1.2 Observations

The settlement ponds along KAT, above the Burn of Droswell culvert continue to be in operation. SSER engineers are currently reviewing the drainage design and discussing whether permanent settlement ponds will be needed. This should be queried and monitored in the next PMO audit.

As reported in last month's PMO report, SSER has taken on the management of the temporary drainage treatment system located downstream of KBP02 (Photo 1). The system will be maintained twice weekly for 6 months, with continued monitoring and sampling. The water quality is improving though some variability exists depending on rainfall. Alternative treatment solutions requiring less intensive maintenance will be considered if required following the 6-month period.

The removal of silt fences has been completed in Kergord. All temporary drainage has also been removed or converted to permanent status in keeping with designs.

During the visit, peat was observed being taken from the last remaining temporary peat storage area to reinstate the KAT and Sandwater Road junction.

During the visit, hydroseeding is ongoing with KBP05 and KBP03 both on the schedule but yet to be hydroseeded. Both are expected to be hydroseeded before the next PMO visit. Some natural vegetation growth was observed on the edge of KBP05 (Photo 2).

The improvement works at the culvert by T018 observed in July continue to be successful with no scouring of the peat noted. This area no longer needs to be visited.

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

Mid Kame Ridge was not observed during this visit.

During the visit, the Sandwater track was closed to site vehicles, however, no surfacing works were observed. It is understood that there has been a pause on work due to issues at the council's batching depot, and no significant progress in tarmacking was observed.

A peat movement event was recorded on the 8th May 2024 on a section of cable track being prepared by SSE Networks (SSEN) under CDM transferred to them from RJM. The section of the cable track where the event occurred runs parallel with the new Sandwater Road on the shallow downslope approach into Kergord Valley. The remedial works are being undertaken by SSEN and monitored by SSER. The area has been largely re-turfed (Photo 3) with seeding plans to be confirmed. Mitigation measures implemented to prevent any silty washout from migrating to the Weasdale burn which sits downgradient from the peat movement are still in place. The two monitoring points downstream of the peat movement continue to be monitored, with no reported adverse effect on the water quality from the peat movement or on-going remedial works.

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 submitted planning application for the new recreational carpark 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.

3.4.2 Observations

In preparation for operation, permanent bird screens are being installed in all five locations where temporary bird screens had been placed during previous breeding bird seasons. During the visit, foundations for the permanent bird screen were observed at T062 (Photo 4). The temporary bird screens will remain in place until the permanent bird screens are complete (Photo 5). Where breeding birds are still active, construction of permanent bird screens will begin following confirmation that breeding activities have ceased for the season.

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

The upper main compound could not be accessed during the site visit due to reinstatement works being on-going at the time. However good progress was observed from a distance (Photo 6). The lower main compound was observed to be in good order with the ongoing clearing out of site offices.

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 internal wind turbine commissioning works. All turbines in the area have been erected and are now undergoing sequential commissioning.

3.6.2 Observations

Fencing has been completed around the periphery of NBP05. The planting of the native woodland at NBP05 is ongoing with 3000 saplings already planted at the time of the visit.

During the visit, planting was observed at the south of NBP05 (Photo 7), and preparation work at the north of NBP05 (Photo 8). The permanent drainage system is in place with on-going review of the localised water flow to maintain a conducive water table in the area. This should be queried and monitored in the next PMO audit.

As observed during the visit, drainage at T076 continues to be effective (Photo 9). Removal of the secondary additional mitigation drains has been scheduled as part of the snagging works and should be observed for updates during the next audit.

A temporary hybrid generator located next to T092 caught fire on 29th December 2024, as discussed in previous reports. The area was visited during the audit visit, and reinstatement works were observed to have been completed (Photo 10).

Hydroseeding activity was observed during the PMO visit in the Nesting area. Newly completed hydroseeding was observed at J21 (Photo 11), in continuity with hydroseeding completed during previous season at J22 (Photo 12).

With most of the turbines being operational and no longer in 'preservation' mode, temporary hybrid generators are no longer required. T068 and T071 hardstands have been used as temporary storage area for the generators before they can be transported off-site. Good practice with the use of plant nappies under generators was observed (Photo 13). T068 is also being used as temporary storage area while the upper level of the Main Compound is under reinstatement.

Peat restoration at P25 is ongoing with boundary fencing yet to be installed.

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

The substation was not observed during the site visit. However, the substation was observed from the KAT and noted all temporary generators have been removed (Photo 14). The substation has been handed over to operations and no longer needs to be visited during PMO audits.

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 the 13th of August.

The GCoW has noted 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 visit in July on behalf of SSER to inspect the remedial works for the peat movement near Sandwater Track and have no significant geotechnical concerns. The GCoW noted that the discussions around borrow pit reinstatement, peat risk register and geotechnical events remedial action are on-going.

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 7th August 2024.

The ECoW noted good practice by RJM on reporting bird sightings near activity areas. As reported in Section 3.4.2, activity to install permanent bird screen has been held off in areas where bird sightings are observed.

The ECoW is monitoring the hydroseeding activity. Discussions with SSE regarding reinstatement plans for the peat movement near the Sandwater Track are ongoing. The ECoW is also in continued discussion with SSER regarding permanent drainage solutions, particularly at KBP02 and T076.

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 5th August 2024 confirming that an assessment report for all monitoring works has been submitted to SSER.

3.8.4 Vestas Package Manager

A discussion was held between the SSE Package Manager for the Vestas works and the PMO on the 12th August 2024.

Vestas confirmed that most of the remaining work is internal to the turbines, causing minimal disruption. The majority of the site is operational with some snagging and final testing work remaining. The windfarm is providing power for the commissioning of the HVDC cable.

Regarding the temporary hybrid generator fire incident at T092, the area has been fully reinstated and as reported last month, the PMO is satisfied with the environmental assessment undertaken and conclusions, and no further audits are required on this incident.

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 that one complaint was received during this PMO audit period and discussed with SSER.

The complaint related to discolouration of the Weisdale Burn on the 8th August 2024. SSER responded to SIC on 9th August confirming the source originate from the SSEN HVDC area. Communication with SEPA has been forwarded to SSEN who will be taking the management of this incident forward. SSER hydrochemist has been notified to monitor changes in scheduled surveys.

Response to the noise complaint received on the 5th July 2024 and reported in the last PMO report is ongoing. During the visit, equipment for the scheduled noise monitoring assessment was being delivered.

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:

- Update on progress of works at Kergord, Mid Kame Ridge, Sandwater Road, North Compound and North Nesting, Main Compound and Nesting.
- 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, including hydroseeding.
- Update on transfer of compounds to SIC (in the case of the north compound) or reinstatement proposals, including for the main compound.
- Update on permanent drainage solutions, particularly at NBP05, T076, settlement pond by KAT and KBP02.
- Update on road upgrade at Sandwater Road.
- Update on closing out of borrow pit reinstatement plans, risk register and snagging list.
- Updates from the ACoW, ECoW and GCoW teams.

4. AUDIT FINDINGS AND REQUIRED ACTIONS

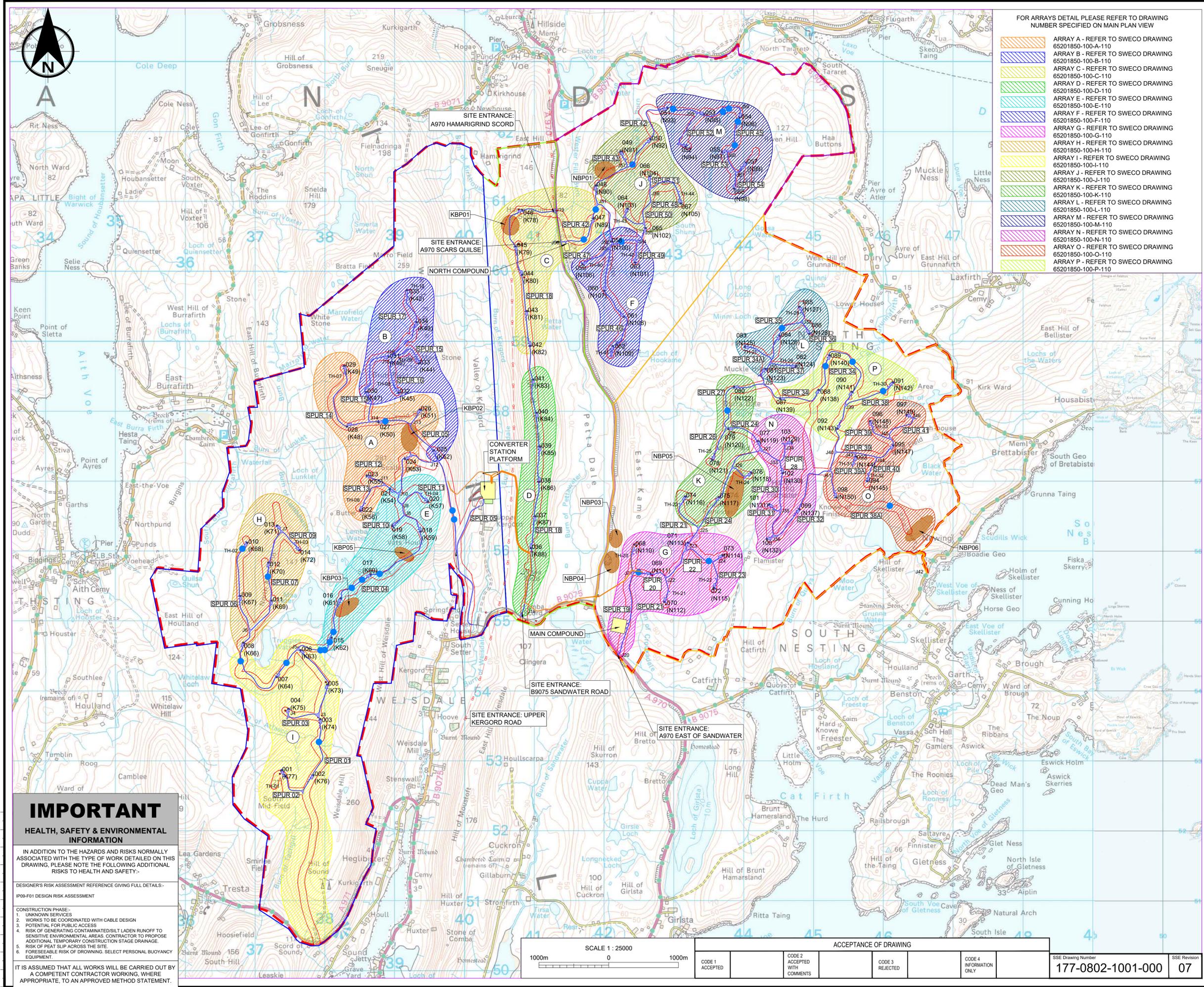
Issue	Auditor Comments	Required Action	Action Owner	Status
Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).	<p>Peat restoration areas are managed through the project Habitat Management Plan and by a dedicated HMPO which balances the geotechnical and ecological 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).	Following comments in the previous audits regarding a lack of skip signage, new skip signage was observed to be in place in the main compound.	No action required.	N/A	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>

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. All generators were observed to have plant nappies during the most recent audit.	Audits to be on-going on the use of plant nappies.	VEWF	Green
Noise, Dust, and Air Quality	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 ongoing ECoW and GCoW review and 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

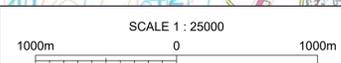
IMPORTANT HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

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.

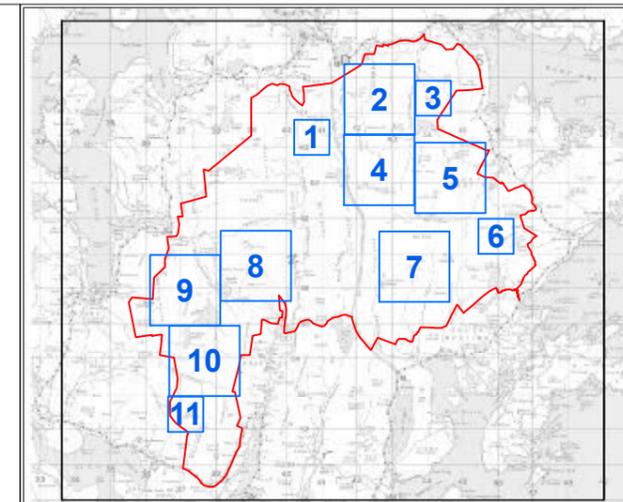
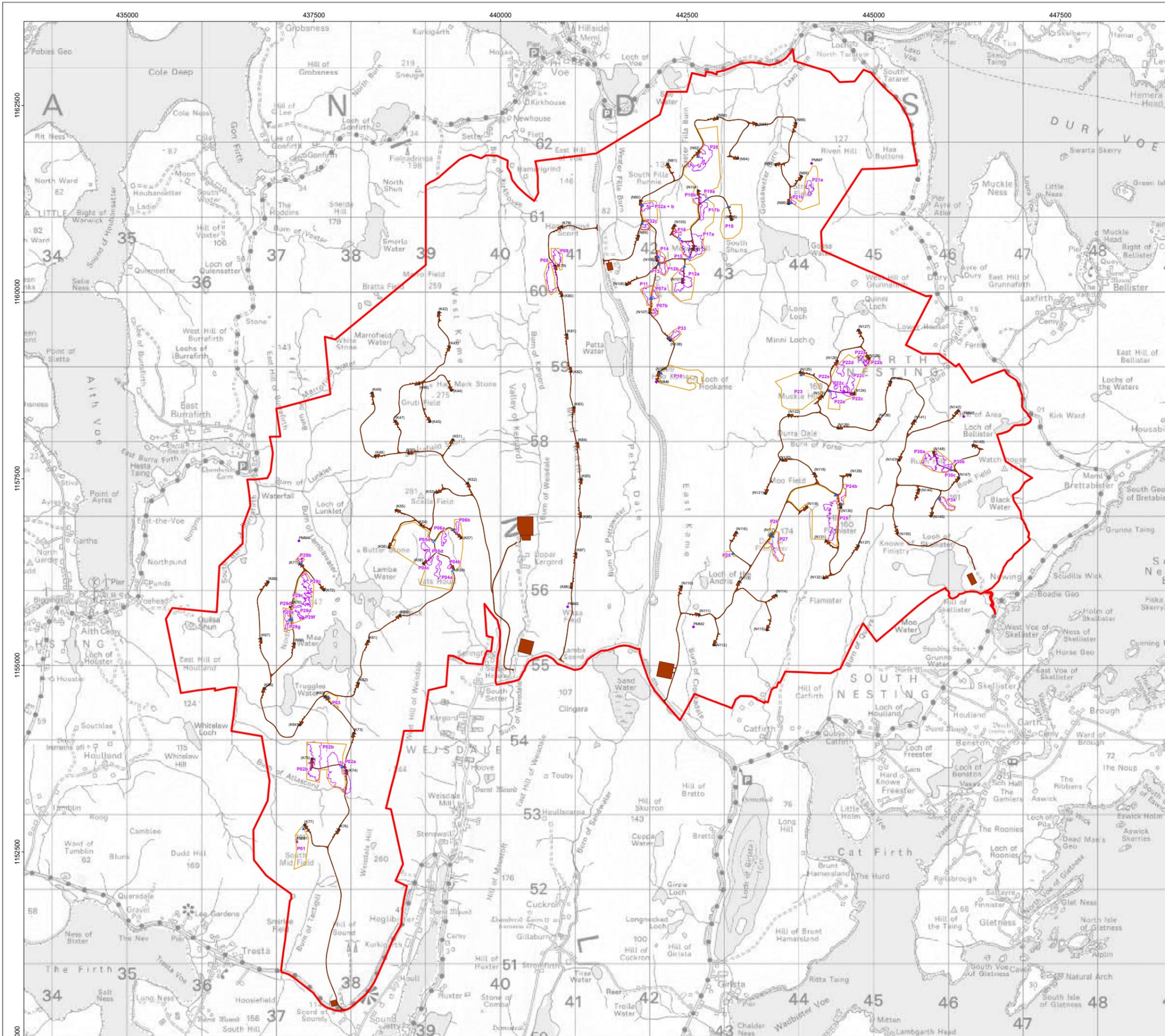


ACCEPTANCE OF DRAWING

CODE 1	CODE 2	CODE 3	CODE 4
ACCEPTED	ACCEPTED WITH COMMENTS	REJECTED	INFORMATION ONLY

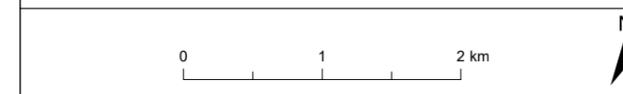
SSE Drawing Number: **177-0802-1001-000**

SSE Revision: **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. Drainage near KBP02



Photo 2. Natural vegetation growth at KBP05

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 3. Area of peat movement



Photo 4. Foundation for permanent bird screen by T062

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 5. Temporary bird screen by T062



Photo 6. Ongoing reinstatement works at upper main compound

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 7. Native woodland planting at NBP05



Photo 8. Preparation work for native woodland planting at NBP05

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 9. Drainage at T076



Photo 10. Reinstated T092

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 11. Hydroseeding at J21



Photo 12. New hydroseeding at J22 connecting with hydroseeding from last year

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024



Photo 13. Storage of temporary generator to be removed at T068



Photo 14. View towards substation

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th August 2024