

Intended for
Viking Energy Wind Farm LLP

Date
April 2024

Project Number
1620009158

VIKING ENERGY WIND FARM PLANNING MONITORING OFFICER AUDIT REPORT 042: 16TH MARCH TO 19TH APRIL 2024

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042: 16TH MARCH TO 19TH APRIL 2024**

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1. AUDIT DETAILS

1.1 Audit Details

Audit Number	PMO 042
Location	Substation Kergord Sandwater Road Nesting North Nesting North Compound Main Compound
Weather Conditions	Sunny with low clouds. Dry, 7°C
Audit Date	17 th April 2024
Audit Period	16 th March – 19 th April 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 Environmental Advisor as undertaken on the 17th April 2024. The site visit included the observation of the following locations:
 - Sandwater Road;
 - Kergord;
 - Substation;
 - North Nesting;
 - North Compound;
 - 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, reprofiling of road 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 almost complete, with the removal of the temporary cabins and temporary bund still awaiting. During the PMO visit, stones were observed to be taken from KBP05 to profile access to the Anderson Track (Photo 1).

Reprofiling work was observed in KBP03 during the PMO visit (Photo 2) and reinstatement of a peat storage area opposite the upper entry of KBP02 was also observed. SSE continues to engage with specialists to design a permanent alternative treatment system for downstream of KBP02 as previously reported. In the meantime, RJM continues to maintain the temporary system.

Remedial works for the movement of peat off the approach track to T008 (as reported in March 2024) were noted to have been completed. The affected area was reformed and reprofiled, new channels were created with stone to ensure long-term stability and prevent peat from reaching the burn (Photos 3 and 4). The remedial work is in good condition and both GCoW and ECoW have been involved throughout the process.

Ground physical work in Peat Restoration Area 2 (P02) has been completed (Photo 5), with locally harvested seed yet to be sown onto areas where vegetation is required. Ground physical work has also been completed in P29.

Silt fences by Junction 9 were observed to be full during the audit. RJM has been notified and this item has been added to their mitigation log. The silt fences will be cleaned out in the coming weeks with the silt fence due to be removed. This should be monitored in the next audit.

The culvert by T018 was observed to discharge directly onto peat (Photo 6). This has been flagged to SSE and a drainage channel should be installed, to regulate the outflow from the culvert and prevent peat erosion, this should be monitored in the next audit.

New land boundary fencing to re-establish land ownership is being undertaken across Kergord (Photo 7). Road leveling and resurfacing work is being observed at the access into Kergord and at Junction 5 (Photo 8).

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, however, it was noted that the bellmouth junction kerbing onto MKR was being installed (Photo 9).

The Sandwater track was in the process of being raised to its final levels prior to surfacing, it is currently 80mm under the final levels. New cattle grids have been installed. Drainage in the area will be upgraded as work continues. Once final levels are reached, the surface will be covered in tarmac.

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 will be submitted to SIC in due.

3.3.2 Observations

The bund to separate the area of the proposed new recreational carpark and the area reserved for SIC has been completed (Photo 10). Both the new recreational carpark and SIC area are in the design stage and all further works (such as drainage and resurfacing) were noted to be on hold until the planning application is approved.

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

NBP01 has been reinstated and reprofiled, with hydroseeding to be completed over the summer. It was noted that the bellmouth junction kerbing at Junction 50 was being installed.

Fencing of the habitat management areas is being undertaken across North Nesting. In anticipation for the breeding bird season, bird screens have been installed in all locations

identified over the previous seasons, including along the track south of T058. The screens will stay in place until the end of the breeding 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

Following the observations noted in the February and March audit, the main compound was visited again. The main compound was found to have been tidied since the February audit; however, signage was noted to still be missing on multiple skips during the audit (Photo 11). Following the visit, SSE reported that signage has been re-installed on skips (Photo 12), this should be observed again 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

During the audit visit, the reinstatement work at NBP05 was observed. Following the approval of the amended CEMP which allows the creation of a native woodland within the restored NBP05, RJM is in the process of designing permanent drainage for the area to accommodate a native woodland. Further update by ECoW is provided in Section 3.8.2.

It is understood that the outstanding works required at geotechnical event 016 (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 May 2024. The agreed works are to remedy one of the historic small event and further surface drainage is to be installed.

The drainage settling pond at T076 was observed to be silted up during the audit visit (Photo 13), as also noted in the March Report. However, despite the settling pond being full, with the installment of more settling ponds, the downstream drainage was observed to be clear running into the burn, confirming the efficiency of the drainage (Photo 14). It is important to note that the weather was dry and clear during the audit and hence, 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 29th December 2024, as discussed in the February and March reports. An update is provided in Section 3.8.4.

LiDAR equipment and surrounding fencing were observed to have been installed in Nesting.

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 transformers have now been commissioned and the high-voltage generators, temporarily needed for transformer commissioning purposes, are being decommissioned. At the time of the visit, two of the generators were demobilised with two still remaining on site (Photo 15). Absorbent plant nappies and spill kits were observed to be available next to the generators, however, no fire extinguisher appeared to be present in the vicinity. This has been flagged to both SSE and Aggreko.

The waste and equipment storage and laydown areas were observed to be generally tidy. However, signage on two of the skips were observed to be missing (Photo 16).

Following the PMO visit, SSE has confirmed via communications that the missing skips labels and fire extinguishers have been replaced, this should be confirmed and observed again during the next audit.

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. An update was obtained from the GCoW on 12th April.

The GCoW has indicated that they have not been onsite since the March visit as there is no necessity for a full-time presence. There is however protocol in place for the GCoW to be called upon when required. The GCoW confirmed that they had been involved in ongoing discussions around borrow pit reinstatement, peat risk register and geotechnical events remedial action.

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 16th April 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, as discussed in Section 3.6.2. The drainage downstream was however observed to be running clear during the PMO visit.

The ECoW indicated that the water treatment system at KBP02 and T026 have shown signs of improvement of pH levels, but that this is dependent on laborious maintenance of the systems and is not practical longer term. ECoW noted that discussion around a permanent passive treatment system is ongoing.

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.

The ACoW confirmed via email prior to the PMO visit on 4th April 2024 that visit has not been required and that there has been no updates.

Following the PMO visit, the ACoW got in touch on 19th April 2024 providing updates on ongoing discussion with SSE regarding potential additional work. SSE notified the ACoW following requests from the landowner to install an additional track on the edge of MKR. ACoW then checked the project records and local historic records and concluded that watching brief is not required for this additional work. This has proven that the archaeology protocol issued to the Principal Contractor as reported in PMO036 is being well-followed.

3.8.4 Vestas Package Manager

A discussion was held between the SSE Package Manager for the Vestas works and the PMO on the 11th April 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.

Vestas has indicated that following the investigation and removal of the burnt out generator, the affected stone has been tested for Waste Acceptance Criteria to allow for appropriate offsite disposal. Delineation sample results have also been issued to an independent environmental consultancy for interpretation which will help determine the need for any additional remedial works.

Further investigation of the potential SF6 gas leak, including investigation with their suppliers has been completed. The suppliers have confirmed that the gas cylinder arrived on site without the SF6 gas due to manufacturing issue. Checks on the previously installed cylinders have been carried out by Vestas and no further issues found. Reports of investigation are to be checked at the next PMO audit.

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 no complaints or communications had been received during this audit period.

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:

VIKING ENERGY WIND FARM

- 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 reshaping works at KPB05.
- Update on road upgrade at Sandwater Road.
- Update on silt fences by Junction 9.
- Update on culvert by T018.
- Observation on missing signage at both Main Compound and Substation.
- Update on missing fire extinguisher at the Substation.
- Updates from the ACoW, ECoW and GCoW teams.

4. AUDIT FINDINGS AND REQUIRED ACTIONS

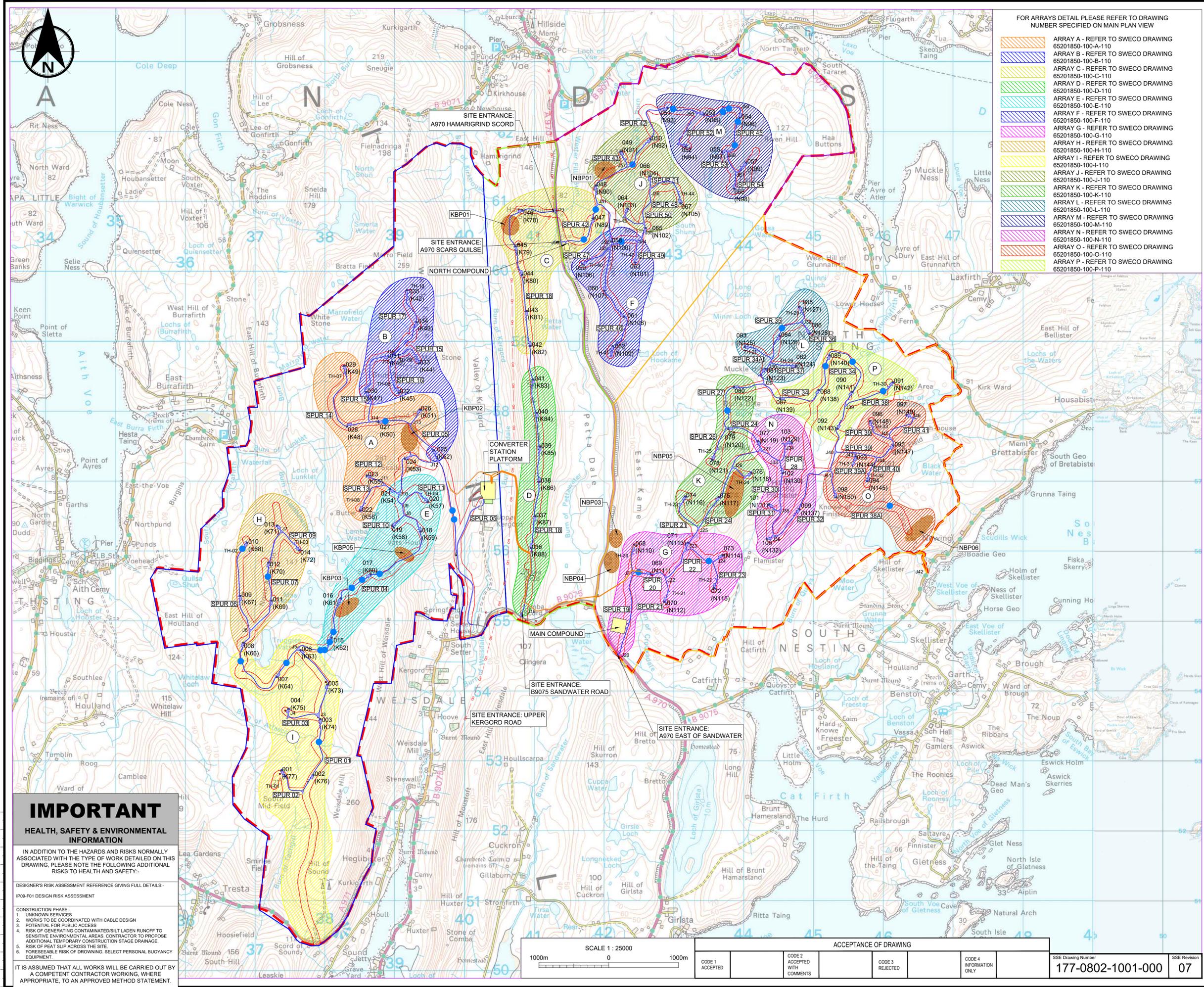
Issue	Auditor Comments	Required Action	Action Owner	Status
<p>Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).</p>	<p>Peat restoration areas are managed through the project Habitat Management Plan and by a dedicated HMPO which balances the geotechnical 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>	<p>No action required.</p>	<p>Vestas/ Principal Contractor</p>	<p>Green</p>
<p>Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).</p>	<p>Some missing skip signage were observed at both Main Compound and the Substation. Signage issue has been reported missing at the Main Compound during the last audit visits.</p> <p>Fire extinguisher was observed to be missing at the Substation by the generators when work was being observed.</p>	<p>Following the PMO visit, SSE confirmed that the fire Extinguisher has been replaced at the Substation.</p> <p>Following the PMO visit, SSE confirmed that the signage has been replaced at the skips. SSE to continue maintaining sinage at skips.</p>	<p>SSE/ Aggreko</p>	<p>Green</p>

Issue	Auditor Comments	Required Action	Action Owner	Status
<p>Natural and Built Environment (e.g. ecology, biosecurity, protected sites, archaeology and site restoration).</p>	<p>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. 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>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 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</p>	<p>VEWF</p>	<p>Amber</p>

Issue	Auditor Comments	Required Action	Action Owner	Status
		SEPA accepted mitigation plan with long-term mitigation strategy progressing.		
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	No complaints regarding Noise, Dust, and 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 (KERGORDE)
- AREA 2 - RIDGE (KERGORDE 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
1:25000	RV	RV	RP	KS
A1	11.09.20	11.09.20	17.09.20	17.09.20

Drawing Number: **65201850-100-100** Revision: **05**

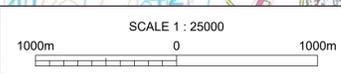
IMPORTANT HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

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.

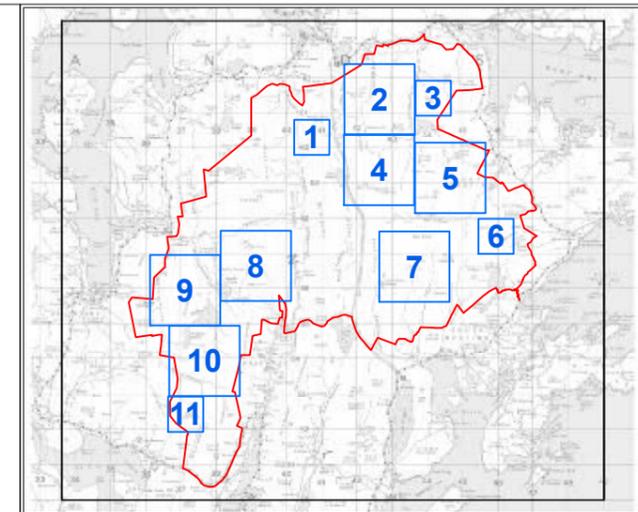
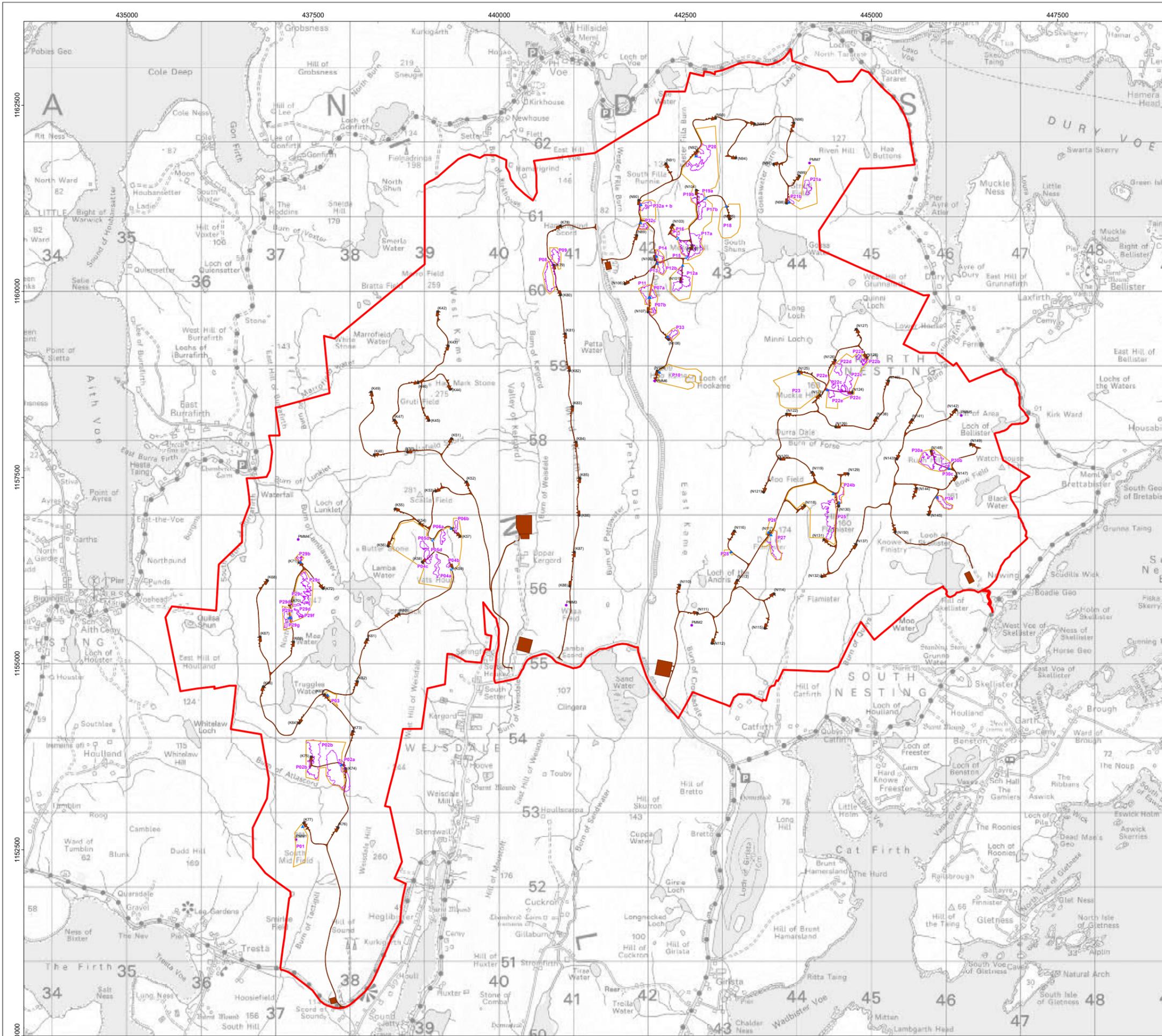
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.



ACCEPTANCE OF DRAWING

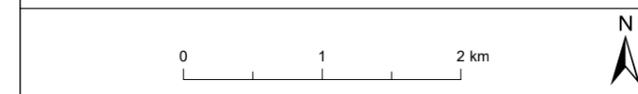
CODE 1	CODE 2	CODE 3	CODE 4
ACCEPTED	ACCEPTED WITH COMMENTS	REJECTED	INFORMATION ONLY

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. Stones taken from KBP05 to profile access to the Anderson Track



Photo 2. Reinstatement in progress at KBP03

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 3. Completed remedial work at T008



Photo 4. Aerial view of remedial work at T008

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 5. View of completed ground physical work at P02



Photo 6. View of culvert by T018

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 7. New land boundary fencing installed by KBP05



Photo 8. Road levelling and resurfacing work at the access into Kergord

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 9. View of permanent bellmouth junction by MKR



Photo 10. View of permanent bund that separate two areas at North Compound

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 11. Missing signage on skips by Main Compound



Photo 12. Replaced signage on skips by Main Compound (Photo provided by SSE)

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 13. Silt in drainage settling pond at T076



Photo 14. Drainage running clear downstream of T076

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024



Photo 15. View of remaining generators at the Substation



Photo 16. Missing signage on skips at the Substation

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 17 th April 2024