Intended for
Viking Energy Wind Farm LLP

Date
February 2024

Project Number
1620009158

VIKING ENERGY WIND FARM

PLANNING MONITORING OFFICER AUDIT REPORT 040: 20TH JANUARY TO 17TH FEBRUARY 2024

RAMBOLL

VIKING ENERGY WIND FARM
PLANNING MONITORING OFFICER AUDIT REPORT
040: 20TH JANUARY TO 17TH FEBRUARY 2024

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CONTENTS

1. AUDIT DETAILS

1.1 Audit Details

Audit Number	PMO 040
Location	Mid Kame Ridge Kergord Sandwater Road Nesting Main compound
Weather Conditions	Partially sunny, dry, 6 degrees Celsius
Audit Date	14th February 2024
Audit Period	20th January – 17th February 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 Track[1] (consented on the 29th of April 2019).
- Re-alignment of Sandwater Road[2] 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/PFF
[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 14th February 2024. The site visit included the observation of the following locations:
  - Sandwater Road;
  - Kergord;
  - Mid Kame Ridge;
  - Main compound; and
  - Nesting.
- Virtual update meetings were undertaken between the PMO and SSER Geotechnical Clerk of Works (GCoW), Environmental Clerk of Works (ECoW), 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	Design Management Engineer
Tony Gee and Partners	Geotechnical Clerk of Works
MBEC	Environmental 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 completion of track and drainage reinstatement works, borrow pit reinstatement and demobilisation, reprofiling of road and internal commissioning works. The cable jointing and cable testing in Kergord are complete. All turbines in the area have been erected and are now undergoing sequential commissioning.

3.1.2 Observations

Demobilisation of KBP05 was observed during the audit visit, as well as on-going reshaping and reinstating works (photo 1). Excess stone at KBP05 was being transported to KBP03 for the on-going reprofiling and reinstatement works. KBP03 was observed from a distance, with machines undertaking reshaping work (photo 2). These areas should form part of the next audit visit.

The water treatment system downstream from KBP02 was observed during the audit visit, with an enlarged and improved pond system (photo 3). The treatment system at T026 was also observed (photo 4). Permanent treatment solutions are currently being considered for the water in this area.

On-going works were observed at the Sandwater road junction, with reprofiling and reforming of the road to facilitate access to the substation (photo 5). This area should form part of the next audit visit.

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

MKR and Sandwater track area was observed during this audit visit.

Along the MKR, the drains at the bottom of the MKR track at T046 were observed to be running clear before the drain water flows into settlement ponds (photo 6).

Along Sandwater track, the completed culvert works were observed to be completed to a high standard, with water observed to be running clear (photo 7 and 8). Water ponding was noted in one area along the track (photo 9). SSE raised the issue with RJM as a SOR following the audit visit.

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 compound which has been used by Vestas had been partially demobilised at the time of the audit visit. Reinstatement and conversion works in this area have commenced. The creation of a new recreational car park is awaiting approval from SIC Planning Department.

3.3.2 Observations

This area did not form part of this audit visit.

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

This area did not form part of this audit visit.

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 main compound was audited during this visit. The compound was overall in good order however would benefit from a general tidy up (photo 10). Signage was absent for a number of skips (photo 11). Plant nappies were present under static plants and generators (photo 12). The need for improved housekeeping was acknowledged by RJM following the restart of works after the Christmas break and the recent bad weather, and it was indicated that this is being undertaken.

3.6 Nesting

3.6.1 Site Setting and Activities

The Nesting arrays are accessed from the A970.

Activities in this area during the audit were focussed on reinstatement works.

3.6.2 Observations

During the audit visit, the restoration work undertaken to date at NBP05 was observed (photos 13 and 14).

The PMO understands that reprofiling has largely been completed, and that SSE ECoW will continue to monitor drainage to confirm performance and acceptance.

RJM design team (SWECO) will be attending site in March 2024 to discuss sign off on the geotechnical aspects for the upfill of all borrow pits, including NBP05.

Discussions are continuing between SSE and RJM to develop an alternative reinstatement plan which includes a native woodland within the restored NBP05. Discussions are also ongoing with SIC who have agreed to the creation of a native woodland, and the project are looking to amend documentation to allow SIC approval. The native woodland habitat will increase the biodiversity of the area and is an improvement on the basic minimum restoration requirement.

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 March 2024. The works will require signing off by all parties.

The drainage works undertaken at T076 were observed as part of this audit (photos 15 and 16). It was observed that the settlement ponds are being effective at retaining sediments. Upstream ponds were observed to be full however and requiring emptying. SSE raised an internal SOR following the audit visit for the check damns to be emptied of silt by RJM. Downstream ponds were observed to be clear of sediments and the stream was observed to be clear, indicating that the retention measures were functioning well despite some of the ponds being full. This area should form part of the next audit visit.

Trackside temporary relief drainage outlets (created for the winder shutdown period) observed at various location across Nesting during the previous audit visit were indicated to have since been reinstated.

Good practice in the on-going reinstatement and permanent drainage work was observed across the site (photo 17). This included vegetated retention ponds observed at the crossing of the burn of Forse between T079 and T080 (photo 18).

A run off of peat was observed on the reinstated auxiliary hardstanding at T099 (photo 19). SSE raised this issued with RJM as a SOR following the audit visit. It was also noted that drainage off T100 would benefit from improvement work (photo 20).

A temporary hybrid generator located next to T092 caught fire on 29th December 2024. The PMO and SIC were made aware of the incident and have been informed that an investigation is ongoing by the third-party provider. Shetland fire service were called and attended the incident. From visual inspections undertaken by SSE, it is likely that all fuel would have combusted during the fire, and most of the generator including batteries have been destroyed. The ongoing investigation and clean-up will confirm this. All contaminated material will be removed and suitable disposed of.

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 did not form part of this audit visit.

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 5th February 2024.

The GCoW confirmed that they had not had any site presence since the November 2023 audit and that there was nothing to report – this is in line with expectations given that the majority of civil engineering work is now complete. The next GCoW visit is scheduled in March 2024.

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 13th February 2024.

The ECoW is continuing to drive improvements and awareness in the need for good housekeeping and the elimination of littering.

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. The ECoW commented that the settlement ponds put in place in the area around T076 are working well, preventing dirty water going into the Burn of Flaminster. It was noted that the ponds were filling up with soils, and that regular checks and good maintenance regime are required to ensure that the ponds keep doing their job.

The ECoW indicated that the water treatment system at KBP02 and T026 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. Hence, a permanent passive treatment system is being considered for implementation.

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.

No update was provided by the ACoW. Given the limited on-going and planned groundwork activities on site however, no new update is anticipated on the archaeological aspects since the November 2023 visit (reported in the November 2023 PMO report).

3.8.4 Vestas Package Manager

A discussion was held between the SSE Package Manager for the Vestas works and the PMO on the 13th of February 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 had been energised.

Vestas have indicated that following the investigation and removal of the burnt down generator, the hardstand area affected by the fire will be tested for contamination and the affected stone

removed and replaced. Affected stone will be disposed of at a controlled offsite facility pending its waste categorisation.

Further investigation of the potential SF6 gas leak is on-going. Vestas and their suppliers are continuing to investigate whether there had been a fault in manufacturing meaning the tank was never charged. SSER are awaiting the outcomes.

Vestas are equally being encouraged to participate in good housekeeping measures to ensure littering is not an issue, and litter picking across the site continues to be undertaken. The state of littering across the site should be noted during the next PMO audit visit.

No spill was reported during the audit period.

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, except communication from SSE regarding the fire incident next to T092.

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 between March and June 2024.

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. This is likely to include:

- 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, and reprofiling works at KBP03.
- Update on road upgrade at Sandwater Road.
- Updates from the ACoW, ECoW and GCoW teams.

4. AUDIT FINDINGS AND REQUIRED ACTIONS

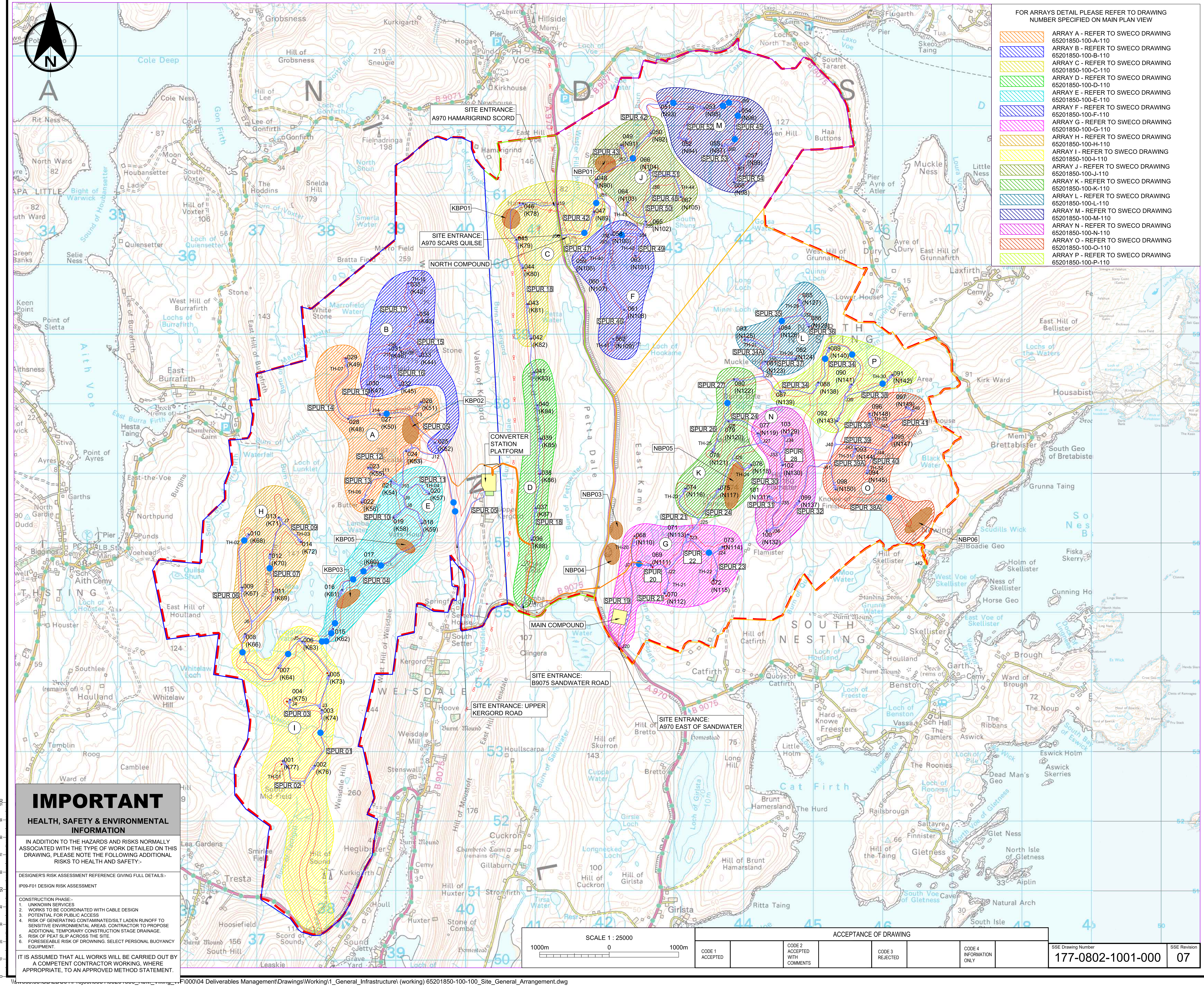
Issue	Auditor Comments	Required Action	Action Owner	Status
Materials Storage and Handling (e.g. oil/fuel storage and peat/mineral soil storage and handling).	Peat restoration areas are managed through the project Habitat Management Plan and by a dedicated HMPO which balances the geotechnical and ecological objectives of the restoration. 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. 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.	Maintain plastic sheet bund in refuelling area. SSE to undertake further audit of the compound.	Vestas/ Principal Contractor	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. These are also marked out by poles on the site and included on ecological sensitive plans issued to the Principal Contractor. 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.	No action required.	N/A	Green

Issue	Auditor Comments	Required Action	Action Owner	Status
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	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. 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.	No action required.	N/A	Green
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	The PMO observed that upstream silt ponds at T076 were full, which was reported as a SOR. This however did not result in a dirty water incident, with downstream ponds and the outlet to the Burn of Flamister noted to be clear during the audit visit.	Ensure regular inspection of drainage system and emptying of ponds as required. SSE to undertake further audit of this area.	Principal contractors	Green
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	A drainage peat wash was observed at T099, this was reported as a SOR. This however did not result in significant dirty water reaching the drain. It was also noted that drainage off T100 would benefit from improvement work.	Ensure regular inspection of drainage system and undertake improvement works as required. SSE to undertake further audit of this area.	Principal contractors	Green
Pollution Prevention and Response (e.g. use of spill	The SSE Renewables Environmental Manager notified the PMO in March 2023 that there have	Investigation into the source of the trace	VEWF	Amber

Issue	Auditor Comments	Required Action	Action Owner	Status
kits, silt control, cement/concrete, water resources).	been some exceedances of Environmental Quality Standards of some trace metals in water quality sampling in the Burn of Lunklet.	metals is ongoing. Short-term mitigation measures have been implemented as per the SEPA accepted mitigation plan with long-term mitigation strategy progressing.		
Pollution Prevention and Waste (e.g. use of spill kits and littering)	During the August 2023 audit, the PMO observed the plastic sheeting present on the walls of the fuel storage bunded area at the Vestas Satellite compound to be damaged. A direct breach in the floor of the refuelling area was observed. During the September 2023 audit, the PMO observed that effort has been made to patch the damage. However, direct breach to the floor of the refuelling area can still be observed. During the October 2023 audit, further works were being conducted to repair the breach. This however did not result in any spill or environmental incidents. During the subsequent audits, the bund was observed to have been successfully repaired and in good condition. The satellite compound is being demobilised however good care it to be maintained for all fuel storage areas.	SSE to conduct audit of fuel storage areas to ensure good care is maintained and storage of bowsers within bunded area.	Vestas	Amber
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

Issue	Auditor Comments	Required Action	Action Owner	Status
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

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.

SCALE 1 : 25000

1000m 0 1000m

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

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: "S115056-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

Drawing Status

FOR CONSTRUCTION

Project Title

VIKING WIND FARM

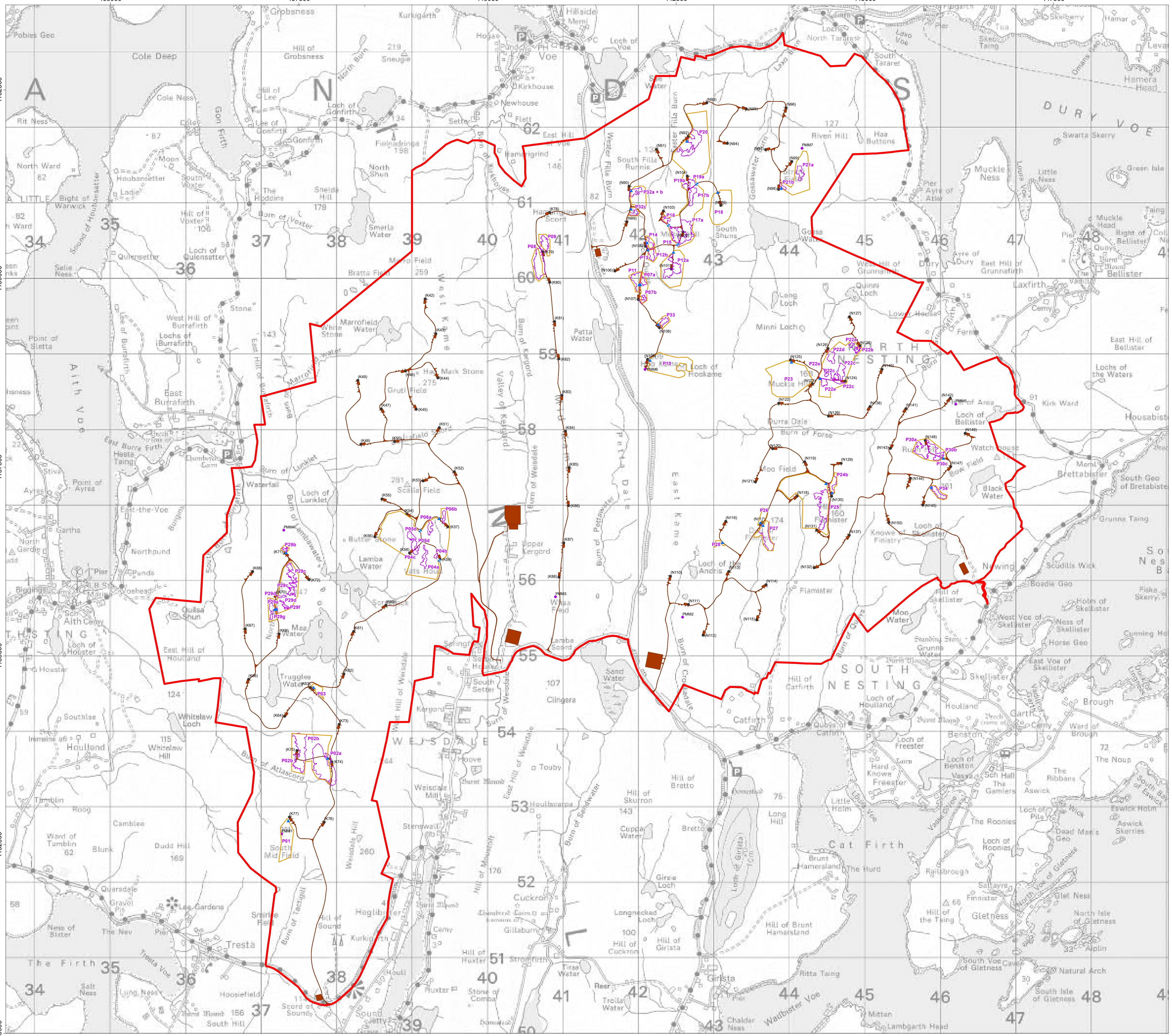
Drawing Title

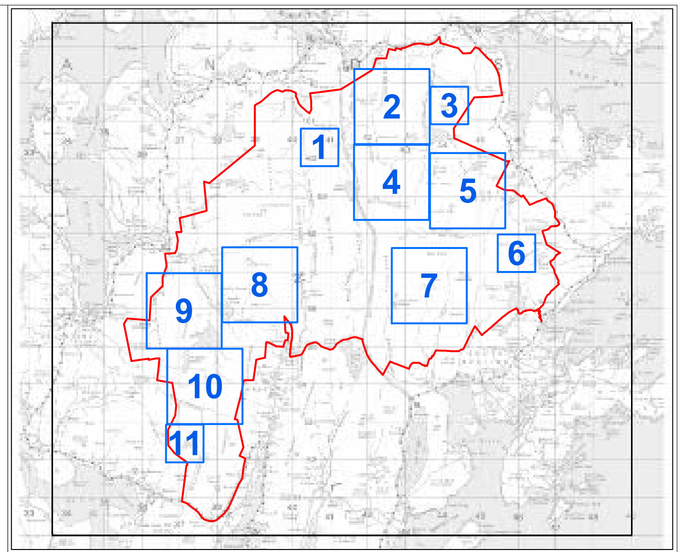
SITE GENERAL ARRANGEMENT

Scale	Designed	Drawn	Checked	Approved
1:25000	RV	RV	RP	KS
Original Size	Date	Date	Date	Date
A1	11.09.20	11.09.20	17.09.20	17.09.20

Drawing Number	Revision
65201850-100-100	05

\\sweco...\000\04 Deliverables Management\Drawings\Working\1_General_Infrastructure\ (working) 65201850-100-100_Site_General_Arrangement.dwg





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	Plot Size	Datum	Projection
1:18,000	A0	OSGB36	BNG

File ref: E:\PORTFOLIO\01_Onshore_Wind\01_Development\Viking\Drawings\02_Environmental\Sketches\0040_PeatRestorationAreas\LN000046-VIK-ENV-SK-0040-01-PeatRestorAreas-R02-A0.mxd

Photo 1. Demobilisation and reinstatement works at KBP05

Photo 2. View of KBP03 observed from T017

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

Photo 3. Aerial view of the water treatment system downstream from KBP02

Photo 4. Water treatment system at T026

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

Photo 5. On-going upgrading works at Sandwater Road to substation junction

Photo 6. Drains off T046

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

Photo 7. Culvert 1 drain at Sandwater track

Photo 8. Culvert 1 drain at Sandwater track

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

Photo 9. Water ponding on Sandwater track

Photo 10. Main compound general view

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

Photo 11. Main compound general view

Photo 12. Plant nappies in use under generators at the main compound

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

Photo 13. NBP05 restoration works completed to date

Photo 14. NBP05 reinstatement works completed to date

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

Photo 15. Drainage at T076

Photo 16. Drainage at T076

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

Photo 17. Permanent drainage good practice between T099 and T100

Photo 18. Vegetated retention ponds at the Burn of Forse Crossing

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

Photo 19. Peat run off at T099

Photo 20. Drainage off T100

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