

Intended for
Viking Energy Wind Farm LLP

Date
June 2023

Project Number
1620009158

VIKING ENERGY WIND FARM PLANNING MONITORING OFFICER AUDIT REPORT 032: 22ND APRIL TO 18TH JUNE 2023

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PLANNING MONITORING OFFICER AUDIT REPORT
032: 22ND APRIL TO 18TH JUNE 2023**

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1. AUDIT DETAILS

1.1 Audit Details

Audit Number	PMO 032
Location	Kergord Mid Kame Ridge Main Construction Compound Nesting North Nesting North Compound
Weather Conditions	Sunny, dry (18°C).
Audit Date	14 th June 2023
Audit Period	22 nd May– 18 th June 2023
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 24th May 2019.

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

- Construction of the Kergord Access Track¹ (consented on 29th 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 26th 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 9th 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 SIC regarding public concerns or complaints received during the audit period (if any).
- Review of documents provided by the Client and Principal Contractor prior to and following the audit visit. Specific references are included in the relevant sections of the report.
- A site visit attended by the PMO, SSE Turbine Site Manager, SIC Planning Enforcement Officer and RJ McLeod (RJM) Project Manager as undertaken on the 14th of June 2023. The site visit included the observation of the following locations:
 - Kergord;
 - Sandwater Road;
 - Mid Kames Ridge;
 - Main Compound;
 - North Compound
 - North Nesting; and
 - Nesting;
- Discussions were held with the 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	Project Manager and 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

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 in line with onset of turbine erection activities.

3.1 Kergord

3.1.1 Site Setting and Activities

Access to the Kergord Arrays is taken via the Kergord Access Track (KAT), which was 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 progression and backfilling of cable trenches, rock extraction at KBP03, turbine delivery, turbine erection, capping of hardstanding and reinstatement

3.1.2 Observations

In this area, 35 turbine pre-installations (first two tower sections erected) have been completed and of these 26 have been fully constructed by the end of this auditing period. At T026, the crane was being de-rigged following turbine erection (Photo 1). Installation of the nacelle for T014 was observed from T016. During the visit, turbine components were being offloaded at T022 in preparation for turbine erection.

Final reinstatement and capping of road and turbine hardstand following turbine erection has begun with T001 completed (Photo 2). Blade fingers have been removed and boom assembly areas kept. A LiDAR plinth has been installed near T001 (Photo 3).

During the visit, KBP02 was observed. Peat capping in the northwest section as part of the reinstatement works required to satisfy the mitigation measures against the production of oxidised metallic elements entering the Burn of Lunklet system agreed with SEPA is ongoing. The cap thickness was enough to create an anaerobic cover over the bare rock, with additional peat due to be installed and planned seeding scheduled in August. Peat from the temporary storage in the main body of the borrow pit was being taken for backfilling of cable trenches and reinstatement works elsewhere on site. The reinstatement plans for the main body of KBP02 are still under consideration.

Blasting was scheduled for KBP03 on the day of visit with active rock extraction observed. The recent blast was to provide stone for capping of tracks and to create new profiles prior to reinstatement works.

KBP05 is being used by Vestas as satellite compound. The compound appeared tidy and in good order. Labels were observed on waste skips indicating the waste streams to be deposited in each skip, with IBCs and fuel tanks banded (Photo 4). Loading and unloading of waste skip were observed during the visit.

Site operatives were noted to be drawing water from a settlement pond opposite KBP05 into a mobile bowser during the visit (to be used for dust suppression management). Abstraction of water from controlled watercourses is carried out under an abstraction license, settlement ponds are used where possible as a source to alleviate pressure on the natural water systems.

Cable laying is ongoing across Kergord. During the visit, laying of material in preparation for backfilling of cable trenches and preparation for concrete plug were observed by T024 (Photo 5).

Following incidents reported in PMO031 in Droswall Burn, reinstatement works to improve the drainage control system from the Kergord Access Track to the settlement ponds and treatment areas above the Burn of Droswall have been completed.

The Principal Contractor removed some rocks on top of the concrete canvas to allow assessment of an occasional source of fine sediment release (Photo 6). The weather is currently too dry to reach a conclusion and the assessment is ongoing.

Cross country cable trench excavation from Kergord to the Substation has been completed with cable laying activities and backfilling of cable trenches observed during the day of visit (Photo 7).

During the visit, one of Vestas' contractor was observed to be refuelling without a Plant Nappy. This was noted as a non-compliant with the CEMP and approved RAMS on fuel handling. This was investigated immediately and a Tool Box talk arranged to remind contractors on refuelling procedures. The observation of refuelling operation by Vestas' contractors should form part of the next PMO audit.

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.

Activities in this area include preparation for turbine pre-installation, turbine erection along MKR, and cross country cable trench preparation and cable laying works from T036 to the substation.

3.2.2 Observations

In this area, 11 turbine pre-installations have been completed and of these seven have been fully constructed with all turbine components delivered by the end of this auditing period. Checks for completion of pre-installation phase at T037 were observed during the visit. Lifting of the top tower at T041 was observed from outside the safety lifting zone (Photo 8).

At T036, netting acting as a deterrent to nesting birds was observed to be covering the support frame with holes being blocked with plastic wrapping (Photo 9). This was noted to be present at most of the locations observed during the audit, within MKR and other areas visited.

The cross country cable trench was observed from a distance. It is understood that cable trench preparation works and cable laying activities are on-going.

During the visit, site operatives were observed filling mobile bowsers for dust suppression management at Burn of Weisdale by the Kergord Access Track Bridge. The abstraction of water from burns is under an abstraction license and the amount abstracted is controlled and monitored in keeping with the licenses.

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 North Compound is used by Vestas as a satellite compound for turbine erection works in the northern arrays.

3.3.2 Observations

The north compound was briefly visited during this PMO audit. The compound appeared tidy and in good order, with the presence of welfare facilities, containers, skips, equipment, and Ad Blue

IBCs. Skips were clearly labelled (Photo 10), IBCs and fuel tanks banded. A cable drum was being transported from the North Compound storage area during the 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.

Activities in this area during the audit included progression and backfilling of the cable trenches, and turbine erection.

3.4.2 Observations

In this area, 21 turbine pre-installations have been completed and of these 12 have been fully constructed by the end of this auditing period. During the visit, the top tower of T050 was being lifted.

Peat was observed to be taken from NBP01 temporary storage for backfilling of cable trenches. A settlement pond was noted in NBP01 and is utilised to supply water to bowsers involved in dust management suppression activities (Photo 11).

Reinstatement and drainage maintenance works are ongoing, with a number of diggers across the site observed to be undertaking peat reinstatement during the audit.

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

Vestas have set up site offices and welfare facilities across the car park, opposite the original offices and welfare facilities.

The car parking, original site offices and welfare facilities are functioning well. All materials (including materials on the upper level) were stored according to regulations. No evidence of leaks or staining was observed in the vicinity of the store. All waste skips were labelled.

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 included progression of cable trench backfilling, cabling, rock extraction from already blasted materials from KBP05, capping of hardstanding in preparation for turbine delivery, turbine pre-installation, turbine delivery and reprofiling work at borrow pit NBP05.

3.6.2 Observations

All 36 turbines at Nesting area have completed pre-installation by the end of this audit period. During the visit, the erection of first two section of towers at T095(Photo 12) and installation of

cooler top at T088 were observed. During the visit, turbine components were being delivered to T082 (Photo 13).

Cable trench backfilling is ongoing across Nesting. During the visit, backfilling of cable trenches was observed by T095 (Photo 14).

A LiDAR plinth has been installed in the Nesting area.

Rock removal from previously blasted rock was observed at NBP05 during the audit. A bowser was observed leaving NBP05 after filling up from a settlement pond within NBP05 and was engaging in dust suppression management activities (Photo 15).

The site is undergoing transition between temporary drainage into permanent operational drainage. Upgrade, landscaping and reinstatement works on drainage have begun, with T076 being one of the examples (Photo 16). The temporary drainage (including silt fence) is programmed to be removed in the upcoming months, following completion of the cabling works.

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 this PMO audit. It was noted that all 33kV cables have been pulled into substation buildings. All lighting, fire and intruder alarm, CCTV cameras and EV charger points have been installed.

3.8 Off site activity/ turbine component delivery convoys

Turbine component delivery off site was not observed during the PMO audit. It is understood that no correspondence from the public regarding abnormal load convoys have been received, indicating that the management plan and communications protocols are working effectively.

3.9 Communication with SSER Clerks of Work

3.9.1 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. A discussion was held between the PMO and GCoW before the site visit on 8th of June 2023.

The GCoW described the ongoing monitoring work across the site. This has included monitoring of the general construction works including cable routes, monitoring peat restoration areas, providing advice on peat handling and reviewing borrow pit reinstatement plans.

No specific areas of concern were highlighted by the GCoW during the audit period.

3.9.2 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. A discussion was held between the PMO and ECoW before the site visit, on the 12th June 2023.

The ECoW continues to work with the Principal Contractor to identify and implement mitigation measures throughout different stages of construction. The measures aim to ensure the project

maintains compliance with relevant licences. The ECoW is monitoring the progress of these measures on an ongoing basis.

The ECoW is having ongoing communication with the Principal Contractor including discussion about dust mitigation with the Design Engineer and Vestas especially given the recent dry period.

Bird surveys are on-going as species are setting up their breeding territories. Further pre-works assessments of bird tolerance are carried out to ensure no unexpected disturbance occurs. The ECoW indicated that the placement of mitigation measures on metal support frames and turbine equipment stored at ground level by Vestas to prevent bird nesting are on-going, consisting in nets and plastic wrapping of holes. Screens have been installed to provide a screen between ground works and red-throated diver nesting lochans. Additional crops guards have also been placed across the windfarm in critical places as bird deterrents. The ECoW confirmed that communication with Vestas and the Principal Contractor on sensitive areas with potential bird nesting and activity is going well and smoothly. The ongoing monitoring protocol has been refined with all birds related findings updated twice or three times per week to all contractors. Additionally, the ECoW liaises directly with the contractors' HSE, designers and planners to ensure all parties are aware of constraints in order to explore ways to avoid disturbance. Overall, disturbance has been negated without causing any significant delays to works through forward planning, good communication and pre-emptive planning of activities.

Borrow pit reinstatement is ongoing and being closely monitored by the ECoW, and discussions are ongoing on restoration plans and progress. Three borrow pit reinstatement plans have been received and the remaining plans are under review by SSE geotechnical experts. ECoW's feedback on the reinstatement plans has been received in anticipation of the geotechnical review completion. ECoW is also closely monitoring the Droswall Burn concrete canvas investigation noted in Section 3.1.2.

3.9.3 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. The ACoW communicated the ongoing works to the PMO on the 7th June 2023.

The ACoW described the ongoing and completed monitoring works across the site. Monitoring on the Kergord to Substation section of the cross country route has been completed with the MKR to Substation section still active.

3.10 Communication with Vestas' Package Manager

A Teams call was held with the SSE Package Manager for the Vestas works on the 12th of June 2023. As of the 12th of June, 33-35 turbines have been fully erected (including blades).

SSE confirmed that communication between ECoW, Vestas and contractors have been going well and great awareness by all of the bird issue and mitigation measures required. Birds have been identified by ECoW to be showing interest in the hub at T067 and Vestas installed netting at the turbine on the same day.

Two of the Vestas' contractors have had their RAMS approved with review of the fuel storage and handling RAMS for the final contractor still ongoing.

3.11 Communication with SIC

The PMO asked SIC if there had been any observations or complaints from members of the public regarding activities on site or as a result of the turbine component deliveries. SIC confirmed it had received one complaint relating to dust on the 24th May 2023.

The dust suppression management was audited during the PMO visit in the presence of SIC Planning Officer. Trucks were observed to create some dust and dust is significantly minimised following deployment of bowser (Photos 17 and 18). RJM confirmed that there are 7 bowsers on site across all areas. However, filling up of bowsers from natural sources (e.g. Burn of Weisdale as observed during visit) is limited by abstraction license as agreed with SEPA. Given the dry period and low water level, water flow of natural sources is also monitored on top of agreed abstraction limits. Man-made water sources on site are used whenever possible but is also struggling with low water level due to dry period.

All drivers are educated on speed restriction as a dust suppression management with speed monitors installed in cars used on site.

3.12 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. This is likely to include:

- Update on progress of construction 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.
- Observation of refuelling operation by Vestas.
- Update on the cable track areas, site wide reinstatement works and cable trench backfilling, and the cross-country cable route construction.
- Update on dust mitigation measures.
- Update of bird nesting.
- Update on Vestas satellite compounds, delivery schedule and turbine erection.
- Update on borrow pit detailed reinstatement and restoration plans.
- 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	Principal Contractor	Green
Natural and Built Environment (e.g. ecology, biosecurity, protected sites, archaeology and site restoration).	<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>	No action required.	N/A	Green

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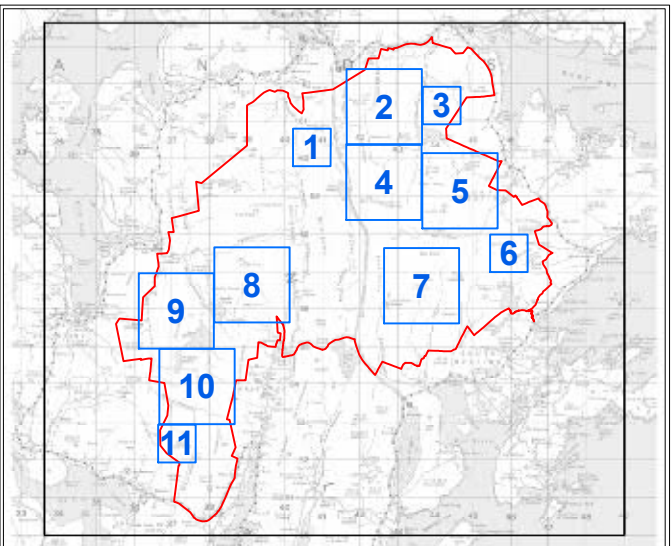
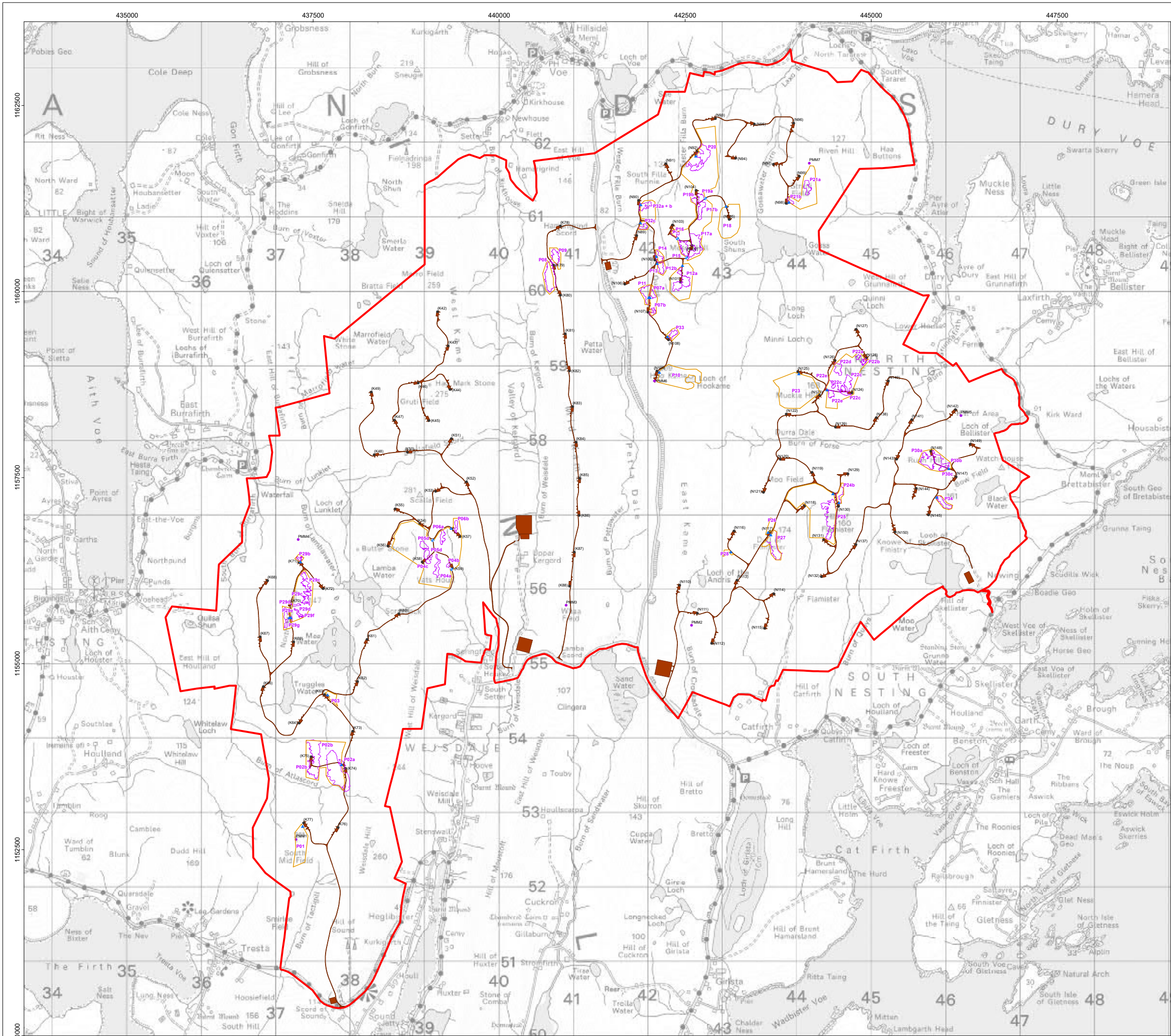
Issue	Auditor Comments	Required Action	Action Owner	Status
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	<p>The project has received authorisation to abstract water from eight locations from SEPA. The authorisation allows the water to be used 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). 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>	No action required.	N/A	Green
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	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.	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.	VEWF	Amber
Pollution Prevention and Response (e.g. use of spill kits, silt control, cement/concrete, water resources).	<p>During the audit the PMO observed spill kits to be well stocked and readily available in areas where liquids are stored.</p> <p>SSE have carried out their own audits on spill kits and refuelling processes when Vestas contractors have been conducting the lifts.</p>	<p>No action required</p> <p>No action required</p>	<p>Principal Contractor</p> <p>SSE</p>	Green

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Issue	Auditor Comments	Required Action	Action Owner	Status
Pollution Prevention and Waste (e.g. use of spill kits and littering)	During the audit the PMO observed plant nappy to not be used by Vestas' contractor. This was noted as a non-compliant with the CEMP and approved RAMS on fuel handling. This however did not result in any spill or environmental incidents. RAMS for one of Vestas' contractors is still under review	Toolbox talk completed reminding contractors of refuelling procedures RAMS for Vestas contractors to be approved and audited	Principal Contractor and SSE	Amber
Noise, Dust, and Air Quality	Complaints regarding dust had been received by SIC during the audit period. The weather had been particularly dry during this time.	Continued monitoring of dust conditions and implementation of control measures as needed; and 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 archaeological watching brief, nesting bird surveys, community liaison. Potential constraints are identified and suitable mitigation measures implemented to prevent negative impacts.	No action required.	N/A	Green

APPENDIX 1

SITE LOCATION PLAN, PEAT RESTORATION PLAN AND PHOTOLOG



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

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sse Renewables
viking energy
Working With Nature's Rhythms



Photo 1. Crane being de-rigged following turbine erection at T026



Photo 2. Capped road and hardstanding at T001

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 3. LiDAR Plinth installed by T001



Photo 4. Bunded IBCs and fuel tanks at KBP05 Vestas Satellite Compound

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 5. Preparation for concrete plug installation in cable trench by T024



Photo 6. Exposed concrete canvas for assessment by Droswall Burn

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 7. View of cross country cable route from Kergord to Substation



Photo 8. View of T041 turbine erection from outside the safety lifting zone

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 9. Netting on turbine component at T036



Photo 10. Labelled waste skips at North Compound

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 11. Settlement pond utilised to supply water to bowzers for dust suppression management at NBP01



Photo 12. First two sections of tower being lifted at T095

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 13. Turbine delivery to T082



Photo 14. Backfilling of cable trenches by T095

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 15. Bowser deployed on dust suppression activity by NBP05



Photo 16. View of upgraded drainage, silt fences and landscaping by T076

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023



Photo 17. Articulated Dumper Truck (ADT) on road before dust suppression management activity



Photo 18. Gulley sucker vehicle on road after dust suppression management activity, with visibly less dust

Title: Photographic Log	Client: Viking Energy Wind Farm
Site: Viking Energy Wind Farm	Date: 14 th June 2023