

Environmental permit EP-2018-0417 - Quellmoor Ridge Wind Farm

Consolidated version incorporating variation 1 (2020-03-02) and variation 2 (2024-12-10).

Field	Value
Permit holder	Contoso Renewables
Installation	Quellmoor Ridge Wind Farm, 12 wind turbines WTG-01 to WTG-12, 38.4 MW
Original issue	2018-11-20
Variation 1	2020-03-02 - automatic shadow flicker control
Variation 2	2024-12-10 - bat protection curtailment (condition 7.3)
Issued by	Skelvane District Environmental Authority

Part 1 - General conditions

- 1.1 The installation shall be operated as described in the permit application.
- 1.2 The permit holder shall notify the Authority of any change to the number or type of turbines before the change is made.
- 1.3 A copy of this permit shall be kept at the site.

Part 6 - Noise and shadow flicker

- 6.1 The noise from the wind farm at the dwellings of Quellmoor shall not exceed 40 dB(A) (LA90, 10 minutes) at night between 23:00 and 07:00 and 45 dB(A) during the day, at hub-height wind speeds up to 12 m/s.
- 6.2 Shadow flicker at any dwelling shall not exceed 30 hours per year and 30 minutes per day. An automatic shadow flicker control shall be used.

Part 7 - Ecology

- 7.1 Bat activity shall be monitored at the nacelle of WTG-04 with an acoustic detector from April to October each year.
- 7.2 The results of the monitoring shall be reported in the annual environmental report.
- 7.3 Bat protection curtailment: from 1 June to 31 August each year, turbines WTG-03, WTG-04 and WTG-05 shall be stopped between 22:00 and 05:00 local time whenever the wind speed at hub height is below 6.0 m/s and the air temperature is 10 °C or higher.
- 7.4 The curtailment shall be implemented automatically by the turbine control system and each curtailment period shall be recorded in the turbine event log.
- 7.5 Records of curtailment shall be kept for 5 years and summarised in an annual report submitted to the Authority by 31 January of the following year.
- 7.6 The Authority may adjust the thresholds of condition 7.3 after three years of monitoring data.

Reason for variation 2: the woodland of Skelvane Wood, east of WTG-03, WTG-04 and WTG-05, holds a maternity roost of a protected bat species that forages near the turbines on warm, calm summer nights.

Part 8 - Ice

- 8.1 Turbines shall stop automatically when ice is detected on the rotor blades and shall restart only when the ice has gone.
- 8.2 Warning signs about falling ice shall be placed at all access points at a distance of 300 m from the turbines from November to March.

Part 9 - Pollution prevention

- 9.1 A spill kit shall be kept in each turbine and in the O&M building.
- 9.2 Oil spills of more than 20 L outside a turbine shall be reported to the Authority within 24 hours.
- 9.3 Oil drums shall be stored in a bunded area with a capacity of at least 110 % of the largest container or 25 % of the total stored volume, whichever is larger.
- 9.4 Waste oil shall be collected by a licensed carrier.

Part 10 - Reporting and contacts

- 10.1 The annual environmental report shall be submitted by 31 January.
- 10.2 Incidents with an effect on the environment shall be notified within 24 hours.
- 10.3 Contact at the Authority: the Permitting Officer for the Skelvane district.

For the Skelvane District Environmental Authority - Siobhan Carrick, Permitting Officer - 2024-12-10.