

**NAVIGABLE AIRSPACE DETERMINATION: Tararua Wind Power Ltd –  
Kaiwaikawe Wind Farm, Omamari Station, 379 Maitahi Road, Mamaranui**

PURSUANT TO Rule Part 77 of the Civil Aviation Rules I, Sean Turangarau Kere Rogers, Manager Aeronautical Services, having received from Tararua Wind Power Ltd, notification of intention to construct a wind farm at Kaiwaikawe, conducted an aeronautical study in consultation with such persons, representatives and organisations as I considered appropriate.

After completing the aeronautical study, I am satisfied that the proposed action, if executed, could constitute a hazard in navigable airspace.

THEREFORE I HEREBY ISSUE a

DETERMINATION OF HAZARD IN NAVIGABLE AIRSPACE

in respect of the above notification.

The following conditions will apply to the Determination:

1. The wind turbines are to be lit with appropriate obstacle lights. The lighting shall be as follows:
  - a. N1-N4 north - Light N1 and N4 (APRX 1650m gap)
  - b. N5-N7 central - Light N5 and N7 (APRX 830m gap)
  - c. S1-S5 south - Light S1, S4 and S5 (APRX gaps S1-S4 1370m and S4-S5 1090m)

Note: The distances between adjacent lights are not all within the 900m guidance but are considered acceptable to provide pilots with sufficient early warning of the obstacle hazards presented.

- d. Lighting will be medium intensity red as defined in Rule Part 77, Appendix B10, that is an effective intensity of not less than 1600 candela of red light and will flash between 20 and 60 times per minute; and
- e. The obstruction lights shall be located on or above the top of the nacelle, shall be visible from all directions, and may be shielded below the horizontal plane; and

*The provisions of this determination are in addition to and not in derogation of the provisions of any other Act, or any orders or regulations made thereunder.*

- f. The painting of turbines with obstruction marking will not be required. The rotor blades, nacelle and upper 2/3 of the supporting mast of each wind turbine should be painted white, or a similar industry accepted colour, in order they are visible to aviators during hours of daylight.
2. Prior to construction, Tararua Wind Power Ltd is to provide details of the wind turbine locations and erection dates to Aeropath - Quote 25/77/19 ( [Part77@aeropath.aero](mailto:Part77@aeropath.aero) ) to request the addition of the wind farm to the obstacle database, and the AIPNZ; and
3. Tararua Wind Power Ltd is to provide CAA ([Aeronautical.services@caa.govt.nz](mailto:Aeronautical.services@caa.govt.nz)) with notice of the wind turbine construction commencing and again when the construction of all turbines with associated compliant lighting/markings is completed; and
4. Prior to the wind farm construction, Tararua Wind Power Ltd is to contact Aeropath (email [Part77@aeropath.aero](mailto:Part77@aeropath.aero) ) to request an appropriate NOTAM and/or AIP supplement is issued, ensuring situational awareness for aviators.
5. Tararua Wind Power Ltd are to comply with the following temporary lighting solutions:
  - a. A red medium intensity light in accordance with CAR 77 Appendix B is to be installed and operational on any attendant crane until such time the permanent light is operational within the area of the turbine; or
  - b. A temporary light is to be installed on the turbine nacelle until such time as a permanent light is operational within the area of the turbine.
6. Tararua Wind Power Ltd is to liaise (and coordinate) with the owner/operators of the Omamari Station Airstrip prior to commencing construction of any turbine in the vicinity of the airstrip, for the purpose of minimising any applicable aviation safety risk.

This Determination of Hazard shall become final on 29 November 2024 unless a petition for review is received by the Director prior to that date.

This Determination of Hazard shall not expire but may be revoked, in writing, by the Director.

Dated at Wellington this 1st Day of November 2024.

A handwritten signature in black ink, appearing to read 'Sean Rogers', with a stylized flourish at the end.

Sean Turangarau Kere Rogers  
Manager Aeronautical Services