

23 DEC 2010

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To: Shire of Kojonup

Fax: 08 9831 1566

From: CASA

Date: 22 December 2010

Pages: 3

File:

Trim: GI10/1167

Phone 131 767

GPO Box 2005  
Canberra ACT 2601

**SUBJECT: FLAT ROCKS WIND FARM**

**FAX**

Service Centre 07-3144 7333  
CASA Portal 02-6217 1991  
Licensing & Registration 1300 737 187

**PHONE**

Service Centre 136 773  
Licensing & Registration 1300 737 032  
CASA Portal 1300 764 781  
Confidential Hotline 1800 074 737

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**Australian Government**  
**Civil Aviation Safety Authority**

OFFICE OF THE DIRECTOR OF AVIATION SAFETY

Trim Ref: G110/1167

22 December 2010

Mr Stephen Gash  
Chief Executive Officer  
Shire of Kojonup  
PO Box 163  
KOJONUP WA 6395

Dear Mr Gash

I refer to your letter dated 25 November 2010 to the Civil Aviation Safety Authority (CASA) regarding the proposed Flat Rocks wind farm.

At this time, CASA has no specific authority to require the obstacle marking and lighting of tall structures, including wind farms, located away from aerodromes.

Notwithstanding CASA's regulatory position, owners of structures which could be hazardous to aviation have a duty of care to aviators. The proponent should undertake the following consultation to assess the potential hazard posed to aviation by the proposed development.

- Identify any aerodrome within 30 km of the boundaries of the proposed wind farm and consult with the aerodrome operator to determine any impact on Obstacle Limitation Surfaces at such aerodromes. Penetration of these surfaces is likely to pose a hazard to normal aviation operations at the aerodrome.
- Consult with Airservices Australia (02 6268 4111 - Ms Michelle Bennetts) to have them assess any potential impact on instrument approach procedures at aerodromes, navigational aids, communications facilities or surveillance facilities.
- Contact the Aerial Agricultural Association of Australia (02 6241 2100 - Mr Phil Hurst) to advise him of the proposal.

The application advises that the maximum height reached by the turbine blades is likely to be up to 146m. Aircraft are permitted to fly as low as 500

feet, which is equivalent to 152m although certain operations are permitted below that height. As this is only 6 m above the height reached by the proposed turbine blades and allowing for probable tolerances in aircraft altitude, the proposed turbines are likely to be a hazard to aircraft traversing the area. Due to the height reached by the turbines, it is recommended that the proponent consider their duty of care in deciding whether or not the wind farm should be obstacle lit or otherwise marked.

If the proponent should choose to provide obstacle lighting to indicate the presence of this wind farm at night, the obstacle lighting installation should conform with the *CASA Manual Of Standards Part 139*, paragraph 9.4.3.4A. This is available on the CASA web site at:

<http://casa.gov.au/wcmswr/assets/main/rules/1998casr/139/139mfull.pdf>

Should the development proceed, then in accordance with *CASA Advisory Circular AC 139-08(0) Reporting Of Tall Structures* the location, extent and height of the wind farm should be advised to:

Aeronautical Data Officer  
RAAF AIS (VBM-M2)  
Victoria Barracks  
St Kilda Road, Southbank, VIC, 3006  
E-mail: [ais.charting@defence.gov.au](mailto:ais.charting@defence.gov.au)

I trust this information is of assistance.

Yours sincerely



Carolyn Hutton  
Acting Manager  
Corporate Relations and Strategy Branch

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