



AIR NAVIGATION, AIRSPACE AND AERODROMES BRANCH

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The NSW Department of Housing and Infrastructure

HORSLEY PARK BIOENERGY FACILITY (SSD-56517209): CASA COMMENTS

CASA has reviewed the relevant parts of the EIS of June 2024, for the Horsley Park Bioenergy Facility. According to Table 8, the maximum height proposed is 14.775m (Tanks) or approximately 87m above AHD. The structures are below Obstacle Limitation Surfaces for Western Sydney Airport by a comfortable margin.

Notwithstanding that CASA is not an Approval Authority, CASA does not object to the proposal.

The site is about 12.3 km from the runway at Western Sydney - just outside the wildlife management area for Western Sydney Airport, as described in the National Airports Safeguarding Framework (NASF) Guideline C 'Managing the Risk of Wildlife Strikes in the Vicinity of Airports'. However, the site is close to the Western Sydney Airport Approach and the VFR route from Bankstown. CASA notes that the waste will be non-putrescible.

CASA is prepared to assess plumes as required / requested. (CASA assessed a plume for the adjacent brickworks in 2022 and it was not a hazard to aviation). Civil Aviation Safety Regulation Subpart 139.E 139.165 advises "*139.165 Notifying CASA of certain proposed objects or structures person proposes to construct or erect an object or structure that: (b) will include an emissions source that generates a gaseous efflux with a velocity exceeding 4.3 metres per second at the point of emission;*" Unfortunately this regulation captures a significant number of random innocuous (to aviation) plumes. More information can be obtained through CASA Advisory Circular AC 139.E-02v1.0

<https://www.casa.gov.au/sites/default/files/2023-03/advisory-circular-139e-02-plume-rise-assessments.PDF> or Airspace.Protection@casa.gov.au .

Yours sincerely

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