



Details of the proposed facility

1. Type of Facility:

2. Location to the nearest Town:

3. Location of the proposed structure in Latitude and Longitude:

Details of the company/person proposing the facility

4. Company:

5. Address:

6. Contact Person:

7. Telephone number:

8. Email address:

Details of the relationship to the nearest aerodrome

9. What is the nearest aerodrome?
(If the proposed facility is remote from an aerodrome, ignore items 10,11 and 12)

10. Either, a) the bearing..... and distance from the ARP..... (in metres)
or, b) the distance..... (in metres) from start of take-off on Runway..... with an
offset from the runway centre line of.....(in metres) left/right* of the centreline.

11. Is the runway an Instrument Runway or Non-instrument Runway?

12. What is the height of Obstacle Limitation Surface (OLS) at the site of the proposed facility?
.....in metres AHD. * Cross out whichever is not applicable.

Details of the height of the proposed facility

13. What is the ground level of site in metres AHD? m

14. What is the height of the proposed structure above ground level in metres? m

15. What is the total height (in metres AHD) at the top of the structure? m

Details of the efflux from the proposed facility

16. Does the 4.3 metres/second plume reach 110 metres above ground level? Yes No

17. At what height in metres above ground level does the plume rise diminish to less than 4.3 metres/second?

18. At what lateral point does the plume rise diminish to less than 4.3 metres/second?

19. What date will the facility commence operations?

Please send material relating to this application by email: Yes No
I am aware of, and accept, the risk that information sent via email may be intercepted and read during transmission, not delivered or modified. (If you do not accept the risk, material will be sent by post.)

For information on CASA's Privacy Policy, please visit <http://www.casa.gov.au/tools/privacy/index.htm>

The Federal Government TimeSaver initiative aims to assess the time taken to complete Government forms. Please indicate the approximate time taken to complete this form. Hrs Mins

Explanatory Notes for Completing the “Application for an Operational Assessment of a Proposed Plume Rise” Form

Note: Explanation No:

1. Provide a description of the type of facility. For example “gas-fired power station” or “smelter chimney”. The information should be sufficient to enable CASA to assess how conspicuous the structure itself will be.
2. Supply the location of the nearest town.
3. Supply the location in Latitude and Longitude of the proposed facility. A map or plan showing the location of the proposed facility will be useful. Details of any adjacent structures (proximity, height, markings and lighting) should also be supplied, as their presence could result in an assessment with less stringent requirements.
4. Supply the name of the company/organisation/or person proposing the facility.
5. Supply the postal address of the company/organisation/or person proposing the facility.
6. Supply the name address of the company/organisation/or person proposing the facility.
7. Supply the email address of the contact person at the company or organisation proposing the facility.
8. Supply the telephone number of the contact person at the company/organisation proposing the facility.
9. Supply the name of the nearest aerodrome(s). This information is usually available from the local authority that has jurisdiction over this area.

If the structure is beyond the Obstacle Limitation Surfaces (OLS) of any aerodrome, items 10,11 and 12 can be ignored. The OLS, as defined in the Manual of Standards Part 139 – *Aerodromes*, may extend up to 15,000 metres from the aerodrome.
10. If the structure is, or may be, within the OLS, you will need to contact the aerodrome operator, with a request to supply the information for this item.
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Sufficient details are required to enable CASA to determine the location of the plume rise relative to the aerodrome and should include details of which OLS surfaces are infringed.
13. Supply the ground level at the site in metres AHD.
14. Supply the height of the structure itself in metres above ground level.
15. Calculate and enter the height at the top of the structure in metres AHD. This is equal to the ground level at the site in metres AHD plus the height of the proposed tower.
16. If the 4.3 m/s plume travels to a height of 110 metres or more, tick the ‘Yes’ box. In this situation the applicant must provide a detailed “Impact Assessment Report” for the proposal. The information to be included in the “Impact Assessment Report” is detailed in the CASA Advisory Circular AC 139-05(0) – *Guidelines for Conducting Plume Rise Assessments*.
17. Calculate and enter the height at which the plume rise diminishes to less than 4.3m/s.
18. Calculate and enter the lateral point at which the plume rise diminishes to less than 4.3 m/s.
19. Supply the date that the facility is proposed to commence operation. If testing of the facility will take place before full operation, then this should be considered in the OLS plan as the commencement date.

