



Australian Government

Civil Aviation Safety Authority

AIR NAVIGATION, AIRSPACE AND AERODROMES

File Ref: F20/19365-5

27/4/2021

Mike Young
Executive Director
Energy, Resources and Compliance
NSW Dept of Planning, Industry and Environment
Locked Bag 5022
Parramatta NSW 2124

Dear Mr Young

Kurri Kurri Gas-Power Plant

Thank you for your request for input from CASA regarding the above proposal.

CASA was provided an Aeronautical Impact Assessment (AIA) by the proponent in March 2021. CASA notes the proponent consulted the aviation industry through direct engagement in the Aviation Stakeholder Engagement Forum (AvSEF) process.

CASA has assessed the AIA and the outcomes of industry consultation. CASA has also considered the opinion of Airservices Australia and the Department of Defence regarding the proposal.

CASA is pleased to advise that at the height presented at which average plume velocity falls below 6.1m/s (867m AHD), the proposal presented will not create any unacceptable impacts to the safety of aircraft operations in the vicinity of the site.

CASA notes the proponent's opinion that its sensitivity testing indicates that the range of design options available would produce plume rise results broadly similar to the outputs of the current plume rise study.

As NSW DPIE is aware, through the meeting it convened on 9 April 2021, it is important that the parameters used in plume rise modelling reflect the final design. CASA believes it is important that the proponent should conduct another plume study once a vendor is selected and the design is finalised and recommend this to NSW DPIE.

CASA will work with the Department of Defence and Airservices Australia to determine what, if any, appropriate mitigation measures are required. CASA will take responsibility for this and no action is required from NSW DPIE or the proponent at this time.

CASA commends the proponent for the quality of its analysis and the pro-active way it consulted aviation industry stakeholders. This has assisted CASA to provide this advice to NSW DPIE within two months of receiving the proponent's AIA.

CASA recommends that NSW DPIE consider using this as a case study for its assessing staff and proponents in how a proponent can conduct AIAs in a manner that will elicit a timely response from aviation agencies who must provide advice to NSW DPIE.

If NSW DPIE or the proponent has any questions about this letter, please write to CASA – anaa.corro@casa.gov.au.

Yours sincerely,



Digitally signed by
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Brad Parker
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