

15 March 2021

Melissa Halloran  
Principal Planning Officer  
Special Activation Precincts  
NSW Department of Planning Industry & Environment

**RE: Addendum to Wagga Wagga SAP Planning Considerations for Air, Noise and Odour – Final Master Plan Report**

Dear Melissa,

Following submissions received on the Wagga Wagga Special Activation Precinct draft Master Plan, the Department of Planning Industry and Environment (DPIE) are investigating the following changes:

- ✦ Potential inclusion of the northern portion of 466 Byrnes Road, Bomen (Site A in **Figure 1**) within the Regional Enterprise Zone (REZ). This land is identified in the draft master plan for re-zoning to Rural Activity (currently it is zoned IN1). The portion of this lot proposed to be included is the area is up to/in line with the southern extent of the REZ in the adjoining lot to the east.
- ✦ Permitting some additional uses including general and light industrial on the former Wool Combing Ponds site which is proposed to be re-zoned to Rural Activity (Site B in **Figure 1**). The purpose of permitting additional uses will be to incentivise its rehabilitation.

DPIE are looking to understand whether the above changes would be feasible / appropriate from an air, noise and odour perspective.

Todoroski Air Sciences has prepared this addendum to the *Wagga Wagga Special Activation Precinct Final Draft Master Plan Report C.4.1 Planning Considerations for Air, Noise and Odour report (TAS, 2020)* in response. It provides an update to the air, odour and noise emission allowance contours (EAC's) and demonstrates that the above changes can be accommodated without impact to the Precinct's consolidated air, odour and noise buffer.

The EAC's for air, odour and noise are presented in **Figure 2** to **Figure 4**. Guidance on how to interpret the EAC's is provided in the *Wagga Wagga Special Activation Precinct Final Draft Master Plan Report C.4.1 Planning Considerations for Air, Noise and Odour report (TAS, 2020)*.

**Figure 2** presents the EAC's for noise. The left hand side of the figure shows sound power levels as 1dB contour lines within the Regional Enterprise Zone and former wool combing ponds site. The right hand side shows the noise level outside of these areas.

**Figure 3** presents the EAC's for odour. The left hand side of the figure shows the odour emission rate per hectare for sources of odour Regional Enterprise Zone and former wool combing ponds site and the right hand side shows the received odour level outside of these areas

**Figure 4** presents the EAC's for air emissions. The left hand side of the figure shows the concentration of NO<sub>x</sub> emissions within the Regional Enterprise Zone and former wool combing ponds site which can be emitted from a stack and the received NO<sub>2</sub> concentration outside of these areas. The right hand side of the figure shows generalised guidance for locating industries with stacks. The general preferences shown cannot be used in planning documents other than for general guidance.

**Figure 5** presents the consolidated noise, odour and air buffer area which has been updated to reflect the revised EAC's.

Please feel free to contact us if you need to discuss (or require clarification on) any aspect of this assessment.

Yours faithfully,

Todoroski Air Sciences



Dan Kjellberg



Aleks Todoroski

## References

Todoroski Air Sciences (2020)

"Wagga Wagga Special Activation Precinct Final Draft Master Plan Report C.4.1 Planning Considerations for Air, Noise and Odour", prepared for NSW Department of Planning Industry & Environment by Todoroski Air Sciences, July 2020.

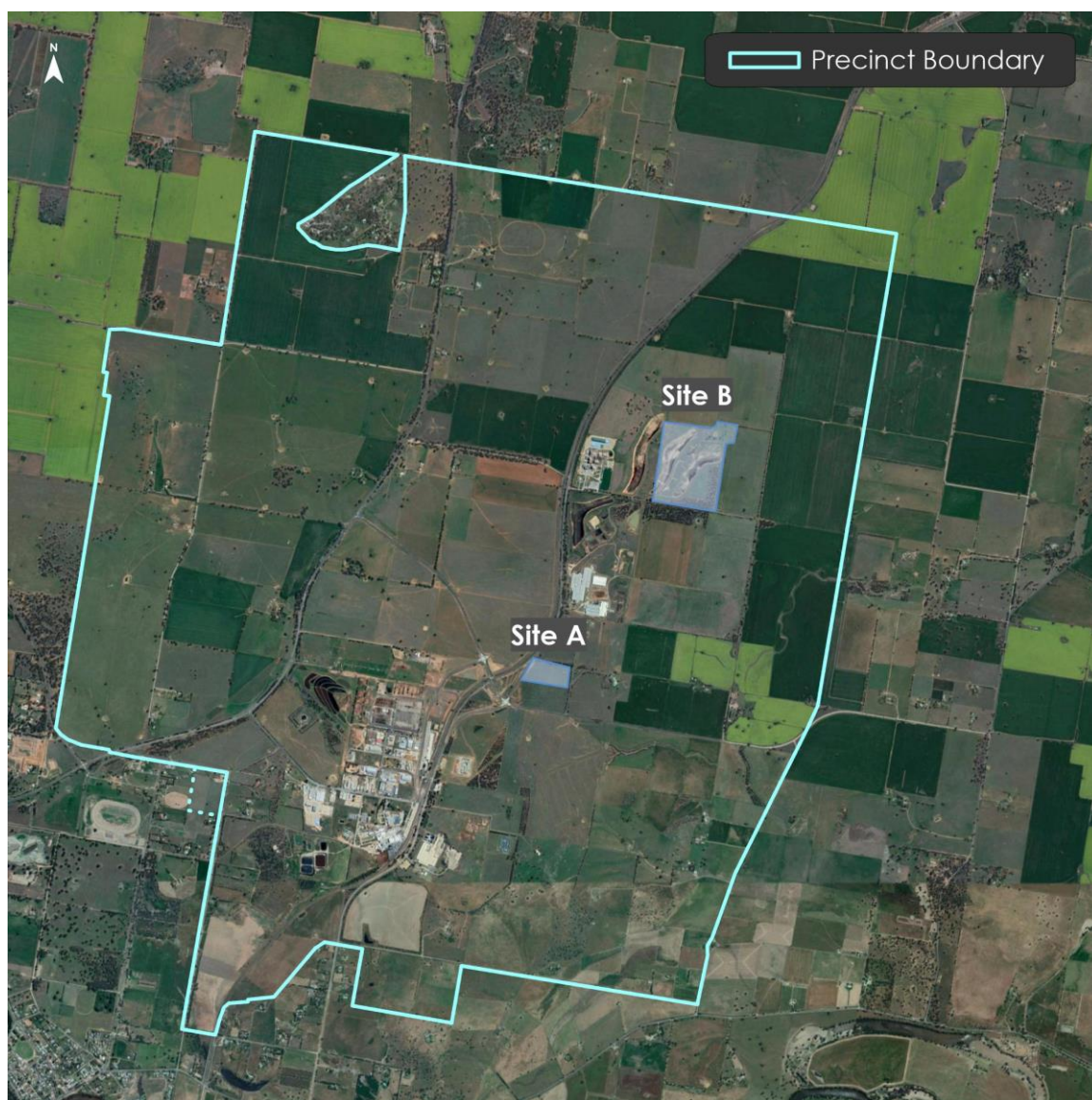


Figure 1: Location of Site A and Site B



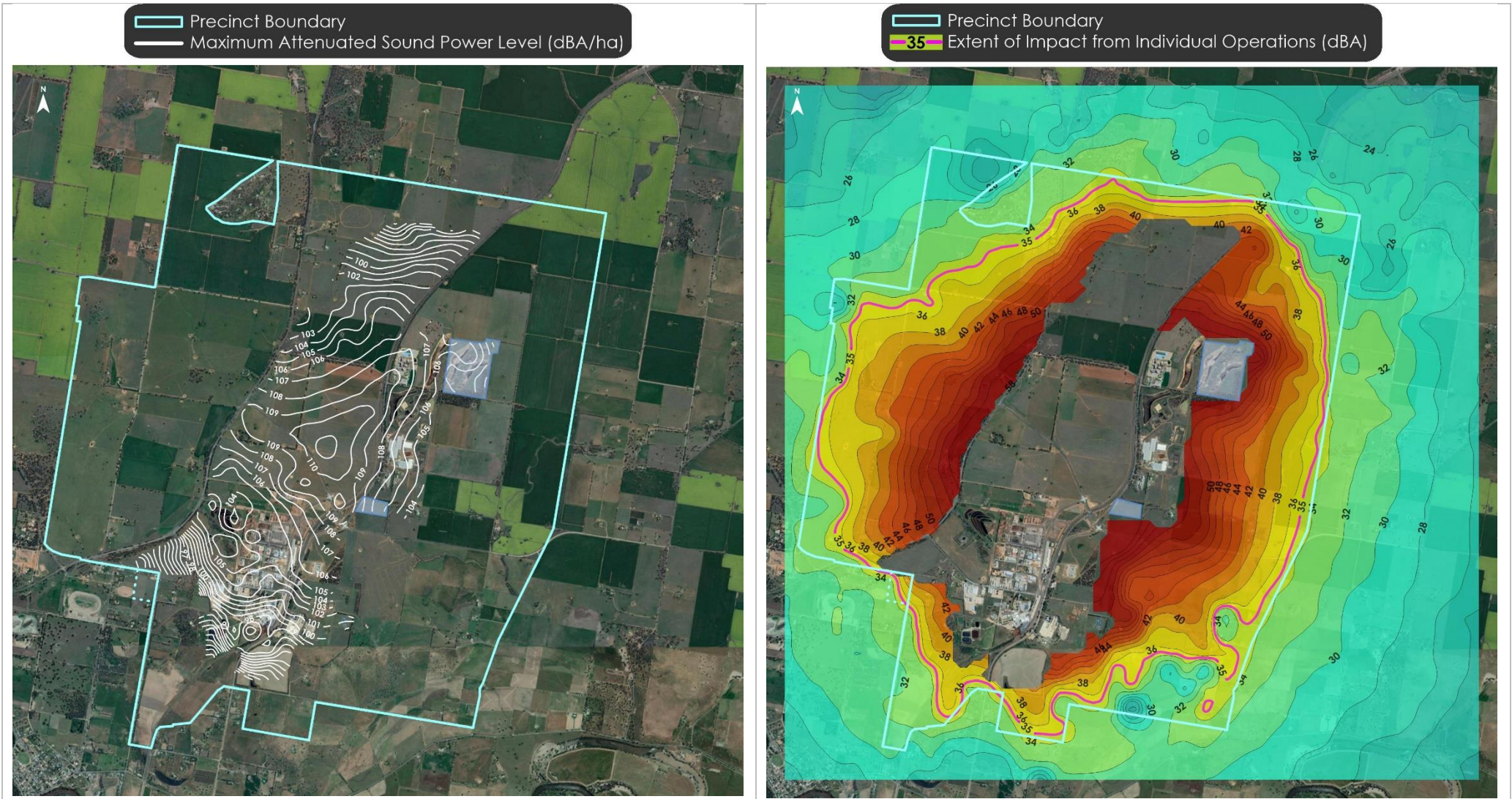


Figure 2: Source sound power level per Ha (left) and received sound pressure level (right) due to noise emissions from the industrial area



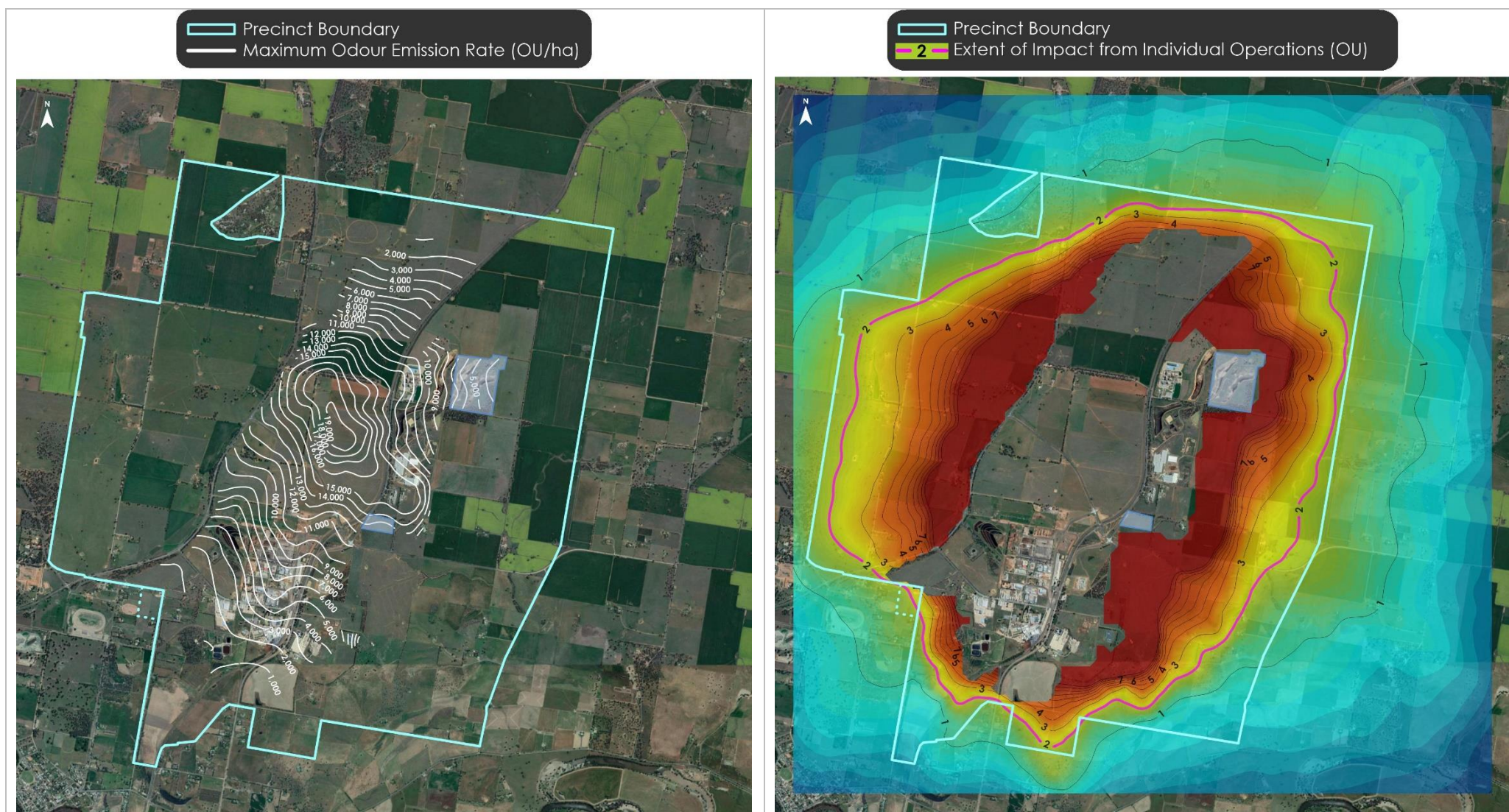


Figure 3: Source odour emissions rate per Ha (left) and received odour (right) due to odour emissions from the industrial area



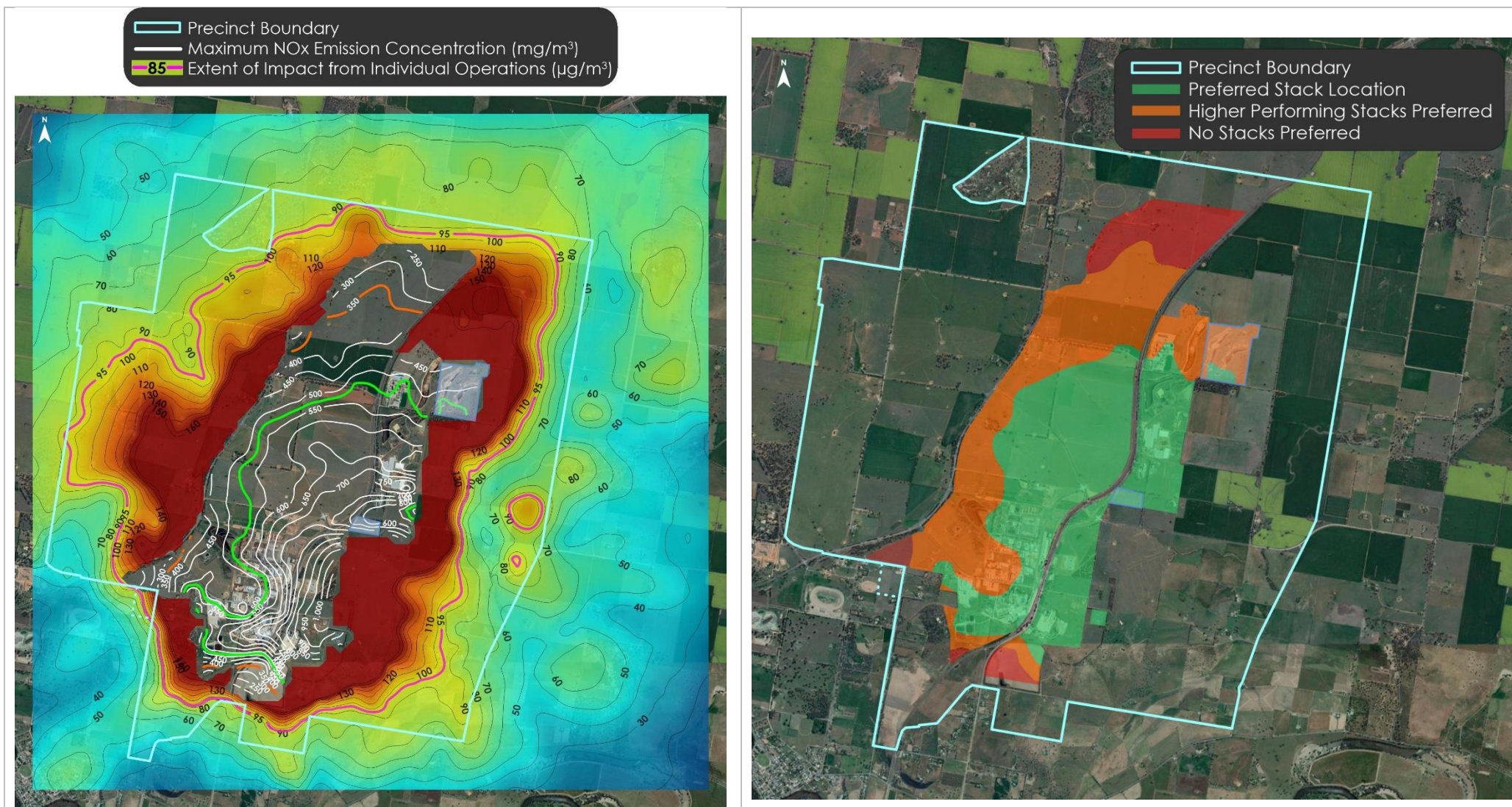


Figure 4: Example of Air emissions rate per stack (left) and received air pollutant concentrations (right) due to NO<sub>x</sub> emissions from the industrial area



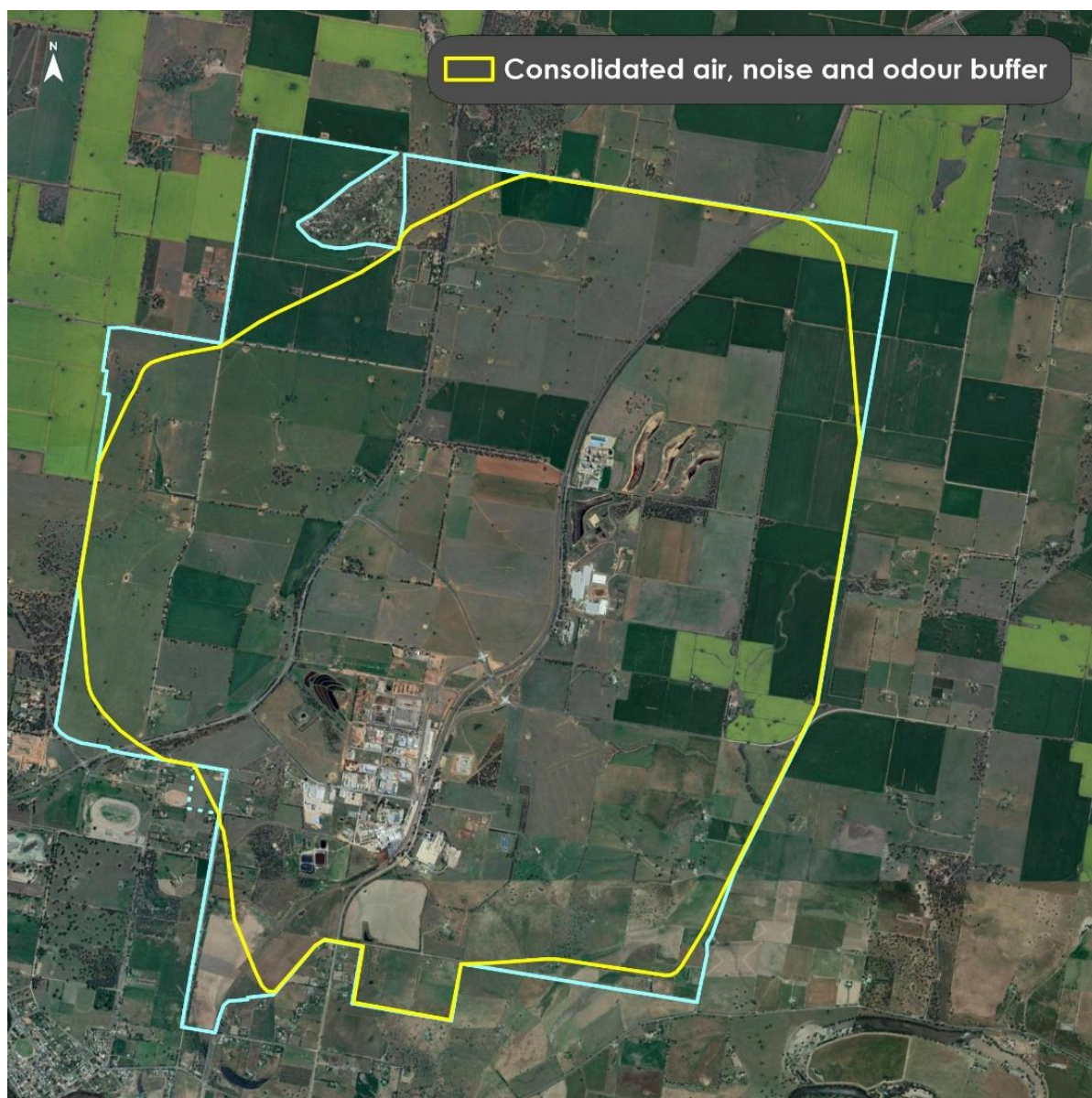


Figure 5: Consolidated air, noise and odour buffer