

## BLUE BUSH PROJECT AIR QUALITY AND AMENITY



### What has been done?

Baseline studies undertaken to-date include:

- Air quality:
  - Identification and description of the background air quality environment.
  - Identification of potential sources of air emissions during all phases of the Proposal. This includes construction, operation, and decommissioning and rehabilitation.
  - Identification of potential sensitive receptors likely to be impacted by emissions.



Attended noise monitoring was undertaken in August 2020 at both the site of the proposed Blue Bush Facility and Blue Bush Transfer Station.

- Amenity:
  - Noise and vibration:
    - Identification of activities likely to generate noise and/or vibration across all phases of the Proposal. This includes construction, operation, closure and decommissioning.
    - Identification of sensitive receptors and structures likely to be impacted by noise/vibration.
    - Background noise monitoring (attended and non-attended).
  - Odour:
    - Identification of sensitive receptors likely to be impacted by odour and consideration of surrounding land use during all phases of the Proposal.
    - Determination of constant versus variable odour emissions.
  - Visual:
    - Description of the visual character and unique qualities of the area surrounding both facilities.
    - Consideration of heritage and other social values of the sites to establish the potential sensitivity of receivers.
    - Identification of sensitive receptors likely to have views of project infrastructure during all phases of the Proposal.
    - Identification of viewpoints for visual simulations.

## What are the next steps?

Now that the baseline studies have been completed, the impact assessment can begin. This will include:

- Air quality:
  - Quantification of air quality impacts generally, and on sensitive receptors, during all phases of the Proposal.
  - Identification of mitigation measures to avoid, minimise and/or mitigate potential impacts to air quality.
- Amenity:
  - Noise and vibration:
    - Identification of noise and vibration impacts (intensity and duration) on sensitive receptors and structures during all phases of the Proposal.
    - Identification of impacts associated with work proposed to be undertaken outside standard daytime hours (if necessary).
    - Identification of mitigation measures to avoid, minimise and/or mitigate potential noise/vibration impacts.
  - Odour:
    - Identification of odour impacts generally, and on sensitive receptors during all phases of the Proposal.
    - Identification of mitigation measures to avoid, minimise and/or mitigate potential odour impacts.
  - Visual:
    - Identification of visual impacts during daytime and night-time conditions (including lighting) generally, and on sensitive receptors during all phases of the Proposal. This will involve the use of visual simulations.
    - Identification of mitigation measures to avoid, minimise and/or mitigate potential visual impacts.



Visual simulations prepared for daytime and night time conditions will be prepared to illustrate the potential visual impact of the project to nearby sensitive receptors.

## GET IN TOUCH AND HAVE YOUR SAY

+61 (02) 8257 3395

bluebush@tellusholdings.com

[www.tellusholdings.com/projects/bluebush](http://www.tellusholdings.com/projects/bluebush)

[www.planningportal.nsw.gov.au/major-projects/project/39691](http://www.planningportal.nsw.gov.au/major-projects/project/39691)

## SAFETY | SERVICE | PEOPLE | SUSTAINABILITY

Disclaimer: This Fact Sheet has been prepared by Tellus Holdings Ltd (ABN 97 138 119 829) ("Tellus") and is for information purposes only, is intended only to provide a summary and general overview on matters of interest and does not purport to be complete or comprehensive. Tellus recommends seeking independent legal, accounting and financial advice as each individual case may be different. Copyright 2019 © Tellus Holdings Ltd (1906v1).

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture. We pay our respects to their Elders past, present and emerging.