Tarraleah redevelopment

Environmental Impact Statement Fact Sheet

Air quality, noise and vibration

Hydro Tasmania

This fact sheet explains what was studied, what was found, and how potential air quality, noise and vibration impacts would be managed.

At a glance

- The area is quiet and remote
- Air quality is generally good
- Construction impacts are local and short term
- Nearby communities not expected to be affected
- No ongoing air, noise or vibration impacts expected

Why this matters to the community

People value clean air and quiet environments, particularly in rural and natural areas. Community members want to understand whether construction activities could generate dust, noise or vibration, and whether nearby towns, recreation areas or places where people live or visit could be affected.

What we studied and what we found

We completed assessments on noise, vibration and air quality to understand existing conditions and assess potential impacts during construction and operation.

As part of these assessments, we identified sensitive receptors. These are locations where people may experience impacts, such as where they live, stay, or visit.

Sensitive receptors for this project include:

- Tarraleah Village
- Bradys Lake, about 6 kilometres from the Project area
- Wayatinah, about 10 kilometres away
- Bronte Lagoon, about 12 kilometres away.

These locations are less likely to experience impacts due to their distance from the project site.

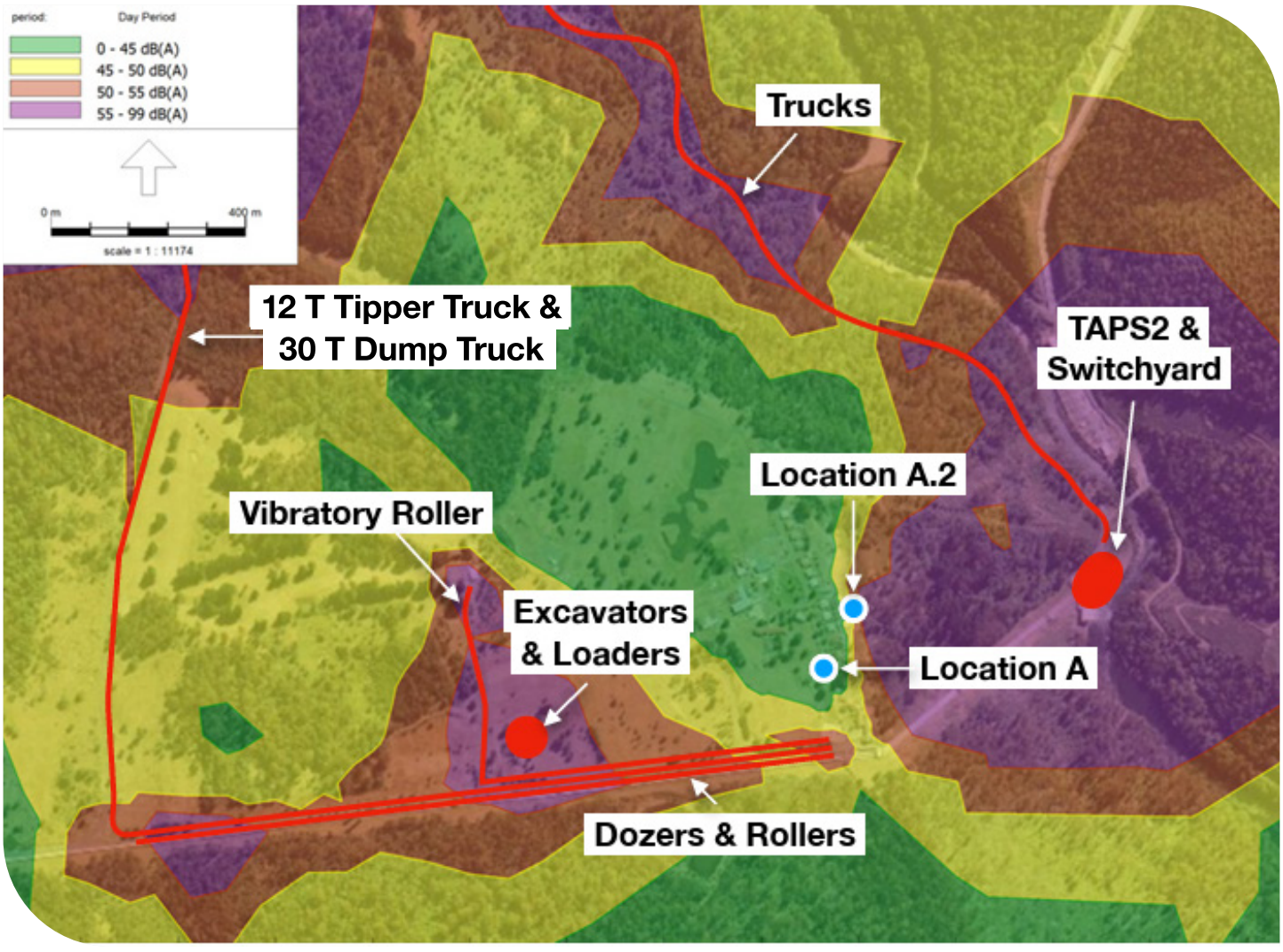
Existing conditions

Noise and vibration

- The surrounding environment is generally very quiet.

Air quality

- There are no air quality monitoring stations near the project site. Therefore, we used data from:
  - the nearest air quality monitoring station, about 50 kilometres away, and
  - the Butlers Gorge weather station.
- This information shows that background dust levels in the region are low.



This image shows the predictive noise contours during the Project's construction. Predictive noise contours are lines on a map that join places expected to have the same noise level. Location A is the existing accommodation cottages at Tarraleah Village and A.2 is an additional receiver location on the eastern side of the accommodation.

Potential impacts during construction

Noise and vibration

Construction noise and vibration would mainly come from:

- earthmoving equipment and trucks
- increased vehicle movements
- short-term helicopter use for transmission line works.

The assessment found:

- construction noise is not predicted at sensitive locations other than sites owned by Hydro Tasmania
- some noise is expected at Tarraleah Village
    - however, the village is owned by Hydro Tasmania and it will be used to accommodate Project staff during construction
- vibration will be minimal and doesn't require specific management.

Air quality

Construction may temporarily affect air quality through:

- dust from excavation and moving material
- fuel exhaust from machinery and vehicles.

Because the project area is remote and well separated from nearby communities and recreation areas, the risk of construction affecting air quality is considered very low.

Potential impacts during operation

No ongoing air quality, noise or vibration impacts are expected once the project is operating.

How we will manage impacts

During construction

Air quality would be managed through an Air Quality Management Plan, which will:

- identify potential dust sources
- set out best-practice control measures
- include monitoring and adaptive management
- clearly define responsibilities and how the community will be kept informed.

With these measures in place, no residual air quality impacts are expected.

No noise or vibration impacts requiring specific management were identified.

During operation

No specific air quality, noise or vibration management measures are required, as impacts are expected to be negligible.

About the Environmental Impact Statement

We have prepared a range of documents to provide information at different levels of detail, so you can choose what best suits your interests and needs.

Separate, topic specific fact sheets are available for key aspects of the EIS. They explain what was studied, what was found, and how potential impacts would be managed, in plain English. The fact sheets don't cover all aspects of the proposal or all potential impacts assessed as part of the EIS.

A Summary EIS is available and provides an overview of all topics assessed as part of the EIS. The Full EIS contains detailed technical studies, data and assessments considered as part of the environmental assessment process.

Have your say

The EIS is on public exhibition, and submissions are welcomed from anyone in the community. All feedback received will form part of the EPA's assessment of the project.

Scan the QR code to visit our website:

- View the Summary EIS and full EIS
- View our Fact Sheets on a range of EIS topics
- Find out how to make a submission.

Questions or concerns?

You are welcome to contact us by phone or email if you would like more information or have a question about the project.

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