



Coffs Harbour bypass

Fact Sheet

Dust and Air Quality Management | September 2023

The Australian and NSW governments are funding the \$2.2 billion, 14-kilometre Coffs Harbour bypass project. The bypass will boost the regional economy and improve connectivity, road transport efficiency and safety for all local and interstate motorists.

During major construction of the Coffs Harbour bypass, we will create some dust from our work activities.

We are committed to mitigating and limiting dust from our construction activities, where reasonable and feasible.

This fact sheet provides information about factors that can impact air quality during construction and our plans to monitor and minimise the occurrence of any air pollution from our work.

We are committed to managing air quality and any potential impacts on the community.

What factors impact air quality?

During construction, there are three main factors that can impact air quality. These include:

- Dust from activities such as earthworks, rock crushing and screening, excavation, movement of soil and vehicle movements over unpaved surfaces
- Air emissions from diesel-powered construction vehicles and equipment
- Air emissions from activities, such as asphalt laying, batching plants (which are facilities where concrete and asphalt is produced), blasting, and earthworks stabilisation that may produce odours.

These impacts are localised and temporary and can vary based on weather conditions.



For stockpiles, we use soil binders to minimise dust



In areas where we are doing earthworks, water carts do regular runs to minimise dust on site

How do we manage dust and emissions?

We monitor dust and emissions to ensure we comply and to implement additional mitigation if required. Throughout construction, some of our dust mitigation measures will include:

- Deploying water carts, using non-potable water as much as possible
- Using soil binders on stockpiles and earth mounds
- Stabilising entry and exit points
- Reviewing work practices during periods of high winds
- Use of street sweepers on local roads
- Clean down areas and equipment for vehicles and plant
- Progressive revegetation as site works progress
- High dust emitting structures or processors in batch plants (e.g. conveyer belts) will have water spraying systems to suppress dust
- Rock crushers will be positioned in protected areas within cuts and water spraying utilised if needed.

To mitigate air quality emissions, we:

- Fit plant and vehicles with pollution reduction devices, where possible, and switch them off when not in use
- Regularly service equipment and vehicles to ensure it is maintained in good condition
- Provide training on best practice air quality management for staff
- Particulate extraction equipment will be installed, operated and maintained for asphalt batch plants and will also include filters and burners to minimise odour impacts. Commissioning and testing will be carried out prior to full operation to ensure that best practice industry standards are met.

We will continuously review and assess construction activities that have the potential to impact air quality. This ongoing monitoring and assessment guides the planning of construction activities and ensures effective dust and odour mitigation measures are in place.

For more information about how we manage dust and emissions on the Coffs Harbour bypass, read our **Air Quality Management Plan** on our website.

How do we monitor air quality?

An important part of our management for air quality is our monitoring program. This program monitors dust levels to ensure the continued effectiveness of mitigation and air quality management measures.

Dust monitoring devices have been installed at fifteen locations along the project alignment. An additional two devices have been installed at Korora Hill and Englands Road to monitor the potential impacts on agricultural production and processing, particularly for blueberries which is an important industry in the Coffs Harbour area. These practices adhere to the approved methods for sampling and analysing air pollutants in NSW and comply with relevant guidelines and regulations.

What happens to the data we collect?

During construction, the project team will collect data from the dust monitoring devices:

- Once a month and/or
- During adverse weather conditions and/or
- In response to a complaint from the community.

The data is reviewed, and the results assessed against baseline criteria to compare the pre-construction and construction monitoring results. If any dust exceedances are identified and confirmed to be caused by construction activities, we review the construction methodology and air quality management measures.

Where can I get more information?

If you would like more information about how the Coffs Harbour bypass project manages air quality and dust or the requirements we need to meet, contact the project team or read our **Construction Environment Management Plan** online. You can find our Environmental Protection Licence at www.gamuda.com.au/coffsharbour-bypass.



Dust monitor



Contact us

If you have any enquiries and complaints, please contact the project team on 1800 550 621 or community@chbteam.com.au



Translation and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 550 621