



Newcastle Inner City Bypass – Rankin Park to Jesmond

Fact Sheet

Dust and Air Quality Management

During major construction of the Newcastle Inner City Bypass between Rankin Park and Jesmond, we will create some dust from our work activities.

Transport for NSW is 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 which 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



We use soil binders (coloured green) to minimise dust on stockpiles and exposed areas



- air emissions from diesel-powered construction vehicles and equipment
- air emissions from activities, such as asphalt laying, blasting, and earthworks stabilisation which may produce odours.

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

How do we manage dust and emissions?

We monitor dust and emissions to ensure we comply and to implement additional mitigation if required.

If you live or work near a construction area, you may notice some dust or dirt while work is carried out. We use a range of mitigation methods to minimise the amount of dust generated. These include:

- planning additional management measures on high wind days
- staging work to minimise the areas exposed to wind
- deploying water carts for exposed areas and haul routes, especially on hot and windy days
- covering truck loads and stockpiles
- reducing the speed of construction vehicles
- using dust binders to help the soil stick together and prevent small dust particles mobilising/forming
- revegetating areas as soon as possible to help minimise dust in the air
- use of street sweepers on local roads
- installing dust monitoring gauges.

To mitigate air quality emissions, we:

- fit plant and vehicles with pollution reduction devices, where possible, and switch vehicles off when not in use
- regularly service equipment and vehicles to ensure they are maintained and in good condition
- provide training on best practice air quality management for staff.

We will continuously review and assess construction activities which 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 project, read our **Air Quality Management Sub-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 next to and around our work site to help monitor air quality on a regular basis. These practices adhere to the approved methods of sampling and analysing air pollutants in NSW and comply with relevant guidelines and regulations.

What happens to the data we collect?

We 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 our construction methodology and air quality management measures.

How do we comply with legislation?

Construction projects must comply with requirements outlined in the *Protection of the Environment Operations Act 1997*.

To ensure that construction complies with requirements, we ensure:

- all staff, including employees and sub-contractors, have completed a site induction which addresses air quality and dust management issues
- regular monitoring and inspections are completed throughout construction. These include daily visual monitoring, regular dust monitoring using gauges and meteorological monitoring
- regular audits and reports are completed to assess the effectiveness of dust control measures.

Where can I get more information?

If you would like more information about how the Newcastle Inner City Bypass between Rankin Park and Jesmond project manages air quality and dust, or the requirements we need to meet, contact the project team or read our **Construction Environmental Management Plan** online. You can also find the **Environmental Protection Licence** on our website.

For more information about the project visit nswroads.work/rp2j or scan the QR code to visit our interactive portal.



Dust monitor

What if I have concerns or further questions about dust mitigation?

If you have any questions or would like more information please contact our project team:

Phone: 1800 818 433 (24 hours)

Email: RP2JCommunity@fultonhogan.com.au

Mail: Rankin Park to Jesmond project team,
PO Box 186, Waratah, NSW 2298

Translating 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 818 433**