

ABOUT CLEAN TEQ SUNRISE

The Clean TeQ Sunrise project in Central West NSW is one of the largest, highest grade nickel, cobalt and scandium deposits in the world.

Clean TeQ Sunrise will help meet growing demand for the raw materials required for next generation batteries and lightweight aluminium alloys.

Air emissions

The Development Consent for the Clean TeQ Sunrise project was granted in 2001. It has been continually updated to ensure compliance with current legislation and to approve design changes that make mining and processing operations as efficient as possible. The Development Consent requires potential impacts associated with Clean TeQ Sunrise to be managed.

Clean TeQ Sunrise's Air Quality Management Plan (AQMP) details how dust will be measured and managed during construction. In particular, it sets limits on how much dust can be emitted by construction activities and how much can be deposited at privately-owned residences and land. The AQMP was prepared in consultation with the Environment Protection Agency (EPA) and approved by the Department of Planning and Environment (DPE) in November 2018.

During construction of Clean TeQ Sunrise, the term "air emissions" refers to dust generated by onsite and offsite operations. No other emissions are expected to be generated during construction.

Clean TeQ Sunrise must comply with the requirements set out in the approved AQMP and conditions of the Environmental Protection Licence (EPL). Dust generated by construction will be compared to the limits defined in the AQMP.

The AQMP approved for the construction phase must be updated as the project progresses. The Clean TeQ Sunrise AQMP is available on the Clean TeQ website:

https://www.cleanteq.com/wp-content/uploads/2018/11/Air_Quality_Management_Plan.pdf

Dust measurement

Dust emissions are measured in micrograms per cubic metre ($\mu\text{g}/\text{m}^3$). The size of dust particles is measured in micrometres (μm).

Particles are classified as:

- PM2.5 - particles less than or equal to $2.5\mu\text{m}$ in diameter
- PM10 - particles less than or equal to $10\mu\text{m}$ in diameter
- Total suspended particulate matter (TSP) in the air, made up of dust particles up to $30\mu\text{m}$ in diameter
- Deposited dust refers to the largest dust particles suspended in the air.

Dust limits for Clean TeQ Sunrise during construction

During construction Clean TeQ Sunrise will minimise dust to ensure we comply with AQMP limits.

AQMP limits are:

- Short-term, 24-hour average concentration PM2.5 ($25\mu\text{g}/\text{m}^3$) and PM10 ($50\mu\text{g}/\text{m}^3$)
- Long-term annual average concentration of PM2.5 ($8\mu\text{g}/\text{m}^3$) and PM10 ($25\mu\text{g}/\text{m}^3$)
- Long-term annual average concentration of TSP ($90\mu\text{g}/\text{m}^3$)
- Long-term annual average deposited dust:
 - An increase of $2\text{g}/\text{m}^2/\text{month}$ due to the development only
 - An increase of $4\text{g}/\text{m}^2/\text{month}$ due to the development and existing dust sources.

Dust monitoring

During construction, air quality will be monitored using information from four different locations on the boundaries of the mine site near trafficked roads. Dust deposition will be monitored monthly and particulate matter (PM10 and PM2.5) will be monitored continuously.

Minimising dust emissions

Clean TeQ Sunrise will manage dust emissions by minimising clearing, dust suppression, revegetating exposed areas, loading and unloading materials to minimise dust, use of low fines construction materials and using formed site roads whenever possible.

Making monitoring information available

Air quality monitoring results must be published regularly on the Clean TeQ website. Results will be reviewed against the air quality criteria in the AQMP. Exceedances will be investigated, and action taken to reduce dust emissions.

Air quality monitoring results will also be included in the Annual Review to DPE and the Annual Return to the NSW Environment Protection Authority.

Incident management

The DPE and other relevant agencies must be notified of incidents when Clean TeQ Sunrise becomes aware of them. In the event of an incident Clean TeQ Sunrise will take the actions outlined in the contingency plan in the AQMP.

Within seven days of the incident, a detailed report must be provided to the Secretary. The report will validate the monitoring information as well as giving a detailed description of the incident, the cause, action taken to date and reasonable and feasible options to resolve the incident.

Contact us

If you are concerned about dust emissions, please ring 1800 952 277 or email community@cleanteq.com We are committed to resolving concerns as soon as possible.