

Auld Creek Project

AIR QUALITY

Overview

Throughout the Fast-track consenting process, consideration has been given to mitigation measure to minimise any impacts upon air quality as a result of construction or operation of the Auld Creek Project. Should approvals be granted for the Auld Creek Project, Rua Gold will seek to manage our activities in compliance with air quality limits set through the regulatory approval process in accordance with an approved management plan.

KEY EFFECTS

Particles or gasses transported through the air may be carried from natural sources such as earth dust and pollens as well as other machinery related such as vehicle exhaust fumes and smoke. The particles or gases may be suspended in or carried by the wind. The stronger the wind, the larger the particles that are lifted and carried. Due to the size and location of the project, a wide range of activities associated with the project activities may generate inhalable gasses or particulate.

These may include:

- Dust and combustion/blasting products from ventilation raises
- Dust from waste rock stacks
- Combustion products from vehicles or machinery
- Dust from access or haul roads
- Dust from topsoil storage and noise bunds
- Dust from rehabilitation on site
- Dust from surface mining activities such as earthworks, excavation, topsoil stripping, vehicle movements and the crushing and screening plant.
- Contaminants produced from blasting.
- Emissions from the processing plant including dust.

The amount and type of particulate matter will vary and depend on many factors including source,

climate, wind direct, traffic and dust management techniques.

MANAGEMENT MEASURES

There is a range of air quality measure that can be implemented to meet the requirements of the consent conditions including:

- Sealing or rock armouring of roads where practical
- Watering haul roads where required
- Ensuring vehicles are correctly maintained
- The use of electric or alternate fuels in machinery and operations
- Maintaining stockpiles to a level to reduce the ability for wind to spread the dust
- Using optimal blasting techniques and products.
- Establishing conservative speed limits around site and using sealed roads
- Washing of vehicles before leaving site to travel on public roads.

Current assessments show that the effects on the surrounding ecology or human health would be minimal.

MONITORING

If the Auld Creek Project is successful in being approved in the Fast-track process, we expect to

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monitor and manage air quality in accordance with an Air Quality Management Plan.

CONCLUSION

A specialist air quality assessment has been prepared for the Auld Creek Project. This study has

used experts to identify the best measures to effectively monitor and manage air quality. The findings will be incorporated into the Air Quality Management Plan, which forms part of our consents.



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