

Proposed Mine Plan and Mitigation Measures for Carolusberg Copper.

Carolusberg Copper (PTY) Ltd has applied for a small scale mining Permit (Figure A,B,C,D) in Carolusberg. The rate of mining will be in the vicinity of 15 000 ton per quarter. The Company is fully aware of all applicable laws and Regulations and is committed to adhere to all Statutory Requirements. The Company has done extensive research in the most applicable routes to economically extract the mineral while minimizing all impacts related to Safety, Health, Environmental and Quality.

Mining Method

The area consists of a solid Copper Oxide/Carbonate outcrop elevating about 6 meters above surrounding ground level. A Registered blasting Contractor will be used for mining purposes. The main blasting constituent will be Anflex which is fed to predrilled holes. The number of explosives and method will be regulated to minimize fly rock. Local blasting Company like Namakwa Gas will be used for this purpose. Nama Gas has extensive experience in this type of surface blasting as demonstrated by the sewerage line construction within the Okiep residential area. Competency, by Nama Gas has been demonstrated while blasting within 1m of residential properties occurred. No explosives will be stored on site and all statutory regulations for Blasting within this area will be adhere to.

Air and Noise Quality

Carolusberg Copper will appoint an environmental Company to install Dust Collection Probes as well as Noise measuring devices at strategic points around the permit area 1 month prior to operation commencement. This will give us a good idea of the current/background dust and noise pollution of the surrounding area. This will give us a standard with which we can compare should mining commence keeping in mind the local statutory threshold. Very little noise is anticipated due to mining and dust will be suppressed by water during loading should the need arise.

Transport Routes

Only existing roads will be used.

Access Control

Access to the mine site will be controlled by a registered Security Company 24 hours per day.

Heavy Machinery

At any given time will only one truck and one Loader be allowed on the premises? The loading and Haulage will be contracted out to a local transport Company.

Offices and Ablution

Two temporary (containerized) offices will be used to be mounted on concrete stands and one ablution facility. The ablution facility will be contracted out to a chemical company. Water for personal use and dust suppression will be supplied from a 10 000 L Jo Jo tank which will be filled by water truck from the plant area (Okiep)

