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## Blasting Parameters

1 message

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### Stoping

stopes are 20 metres wide along strike by 40 metres long across ore and 60 metres between levels

Ore SG 2.8

Total stope tonnes 134,000 tonnes

Drill pattern is 3.4 m by 3.4 metres vertical holes by 57.5 metres long using 152 mm dia. holes

Total kg's explosives per stope is 120,000 kg

Powder factor is 0.90 kg/tonne

Daily production is 3,000 tonnes per day (years 1 to 3) and then 5,000 tonnes per day (year 4 onwards)

Daily explosives use for stoping is 2,700 kg's ANFO and 4,500 kg's respectively

### Development

2 crews 2.5 rounds per day per crew of 5 m by 5 m openings breaking 3.4 m per round.

Total tonnes broken per day on development is 1,190 tonnes per day.

Total kg's explosives per round is 190 kg's

Total daily explosives use is 950 kg's per day.

Mine operates 3-8 hour shifts per day.

For stope blasting at OKA make blasts small enough and time detonators so no vibration on surface and sound heard would be a low level wumph or tack. No surface movement or shaking is critical. Also not blast enough that sound is continuous for more than a few seconds.

Malcolm