



Northwest
Territories Safety and Public Services

Attn: Al Jones, Mill General Foreman,
Royal Oak Mines Ltd.

Re: Dust Concentrations in the Crusher and the Conveyor way

Please find the following results of Dust Sampling conducted during my inspection on May 9, 1994.

No. 9 Conveyor:-

Background levels = 0.5 to 1.0 mg/cu.m.

When crushing in progress = 2.8 to 3.0 mg/cu.m.

Higher than 5.0 mg/cu.m. was detected next to transfer points where and when dust escapement occurred.

CV 8 Transfer Chute:-

The general area was dusty.
Dust levels = 3.0 mg/cu.m.

Conveyor ways leading to the Crusher:-

Condition was found acceptable.
Dust levels = 0.5 to 1.0 mg/cu.m.

Crusher area:-

Dust conditions throughout the plant was under levels of 1.0 mg/cu.m.

As I mentioned during my inspection, the limit for respirable rock dust is 5.0 mg/cu.m. and the limit for silica quartz respirable dust is 0.1 mg/cu.m.

Example: 1.0 mg/cu.m. of rock dust containing 10% quartz will yield 0.1 mg/cu.m quartz dust.

If there are any questions, please do not hesitate to call me.


Sylvester Wong, P. Eng.
Environmental Engineer &
Mining Inspector.