internal corresp.

From: Robert L Balcom
To: Petrie, Bob D
Date: 12/16/02 12:24pm
Subject: White Cove Blast Design - DFO letter Dec. 11,2002

I reviewed the above letter and technical information on explosive use in rock quarries. DFO should understand that the blast design is for a test blast . The quantity of explosives used per blast will be much higher for a production quarry. I estimate that this proposed blast is about 10 percent of the size of a production blast. The proposed blast design is standard industry design for ANFO explosive.

The blast pattern can be changed to allow for a minimum 25 ms between detonations.
A series- in- parallel design may improve the delay sequence.

There are other explosives that can be used to break the rock but ANFO is cheaper and safe to use.
ANFO is the standard explosive for rock quarry operations.

I understand that there would be 3 to 4 blasts per year at a production quarry. This number may increase with a larger operation.

I have not seen the DFO guidelines for blasting near marine Environments.
The other questions proposed by DFO appear to be reasonable .

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