

ATTACHMENT 19
**E-mail from Nicholas Kyriazi, CDC/NIOSH/NPPTL, to Mike Kay, Engineering
Manager, Ocenco, Incorporated (March 10, 2009)**

**COMMENTS TO PROPOSED RULE ON APPROVAL TESTS AND
STANDARDS FOR CLOSED-CIRCUIT ESCAPE RESPIRATORS**

73 Federal Register 75027, December 10, 2008

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42 CFR pt. 84

NIOSH Docket #005

Prepared by Ocenco, Incorporated

April 10, 2009

Mike Kay

From: Kyriazi, Nicholas (CDC/NIOSH/NPPTL) [nbk9@cdc.gov]
Sent: Tuesday, March 10, 2009 1:22 PM
To: Mike Kay
Subject: RE: Performance tests

No, we have not run any at the 2.5 L/min VO₂ yet. I'll do that one also, if we have any. That test does not call for exhaling first.

From: Mike Kay [mailto:mikekay@ocenco.com]
Sent: Tuesday, March 10, 2009 2:19 PM
To: Kyriazi, Nicholas (CDC/NIOSH/NPPTL)
Subject: RE: Performance tests

Thanks Nick.

Did you run any M-20s at the 2.5 LPM VO₂ Capacity test, and any where you did not exhale into the device at the start of the test?

Mike

-----Original Message-----

From: Kyriazi, Nicholas (CDC/NIOSH/NPPTL) [mailto:nbk9@cdc.gov]
Sent: Tuesday, March 10, 2009 12:51 PM
To: mikekay@ocenco.com
Subject: Performance tests

Capacity tests are equivalent to all the tests in the Long-Term Field Evaluation, at 1.35 L/min VO₂. That data is given in the reports. We ran only one M-20 in the Performance test so far, and it's not a clean test. You can read the comments at the bottom of the file. I will ask Jack if we have any more to test. If we do, I'll run another and share the results. We did exhale twice to start the test, but the mouthpiece fell out and we had serious leaks at the beginning.

<<M20X253617.mlt_1262009.xls>>

We have not run any Performance tests on EBAs since these three from 1996 and 1998. Read the qualifying comments at the bottom of each file. I believe that we did not exhale twice before the tests.

<<O9790120.MLT.xls>> <<O90105.MLT.xls>> <<O9790072.MLT.xls>>