

Operational Readiness Clearance (Non-beam operation)

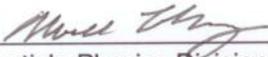
SeaQuest

14 Feb 2012

AUTHORIZATION TO PROCEED WITH THE UNATTENDED OPERATION OF
MECHANICAL SUSPENSION/SUPPORT OF STATION 1, STATION 3+, STATION 3- AND THE I-BEAM,
RAIL SYSTEM AND DROPS OF STATION 3.

REVIEWED AND APPROVED BY:

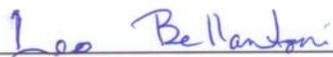
DATE


Particle Physics Division Head
Comments/Exceptions:

2/21/2012

 13747N
Particle Physics Senior Safety Officer
Comments/Exceptions:

2.20.2012


Committee Chair
Comments/Exceptions: Further review for these components not needed for with-beam
operation; sign-off for with-beam operation will be included in final experiment-wide ORC

14 Feb 2012

Submitted By:

Requester Paul Reimer / Dave Christian

2/20/12

Electronic approvals for this form are acceptable. Please forward your responses to all recipients. A signed paper form (copy) of this document will exist in the Particle Physics Division Office. The original signed document will stay with the experiment requesting clearance.

From: David Christian <dcc@fnal.gov>
Subject: **Operational readiness**
Date: February 9, 2012 12:10:11 PM CST
To: Leo Bellantoni <bellanto@fnal.gov>
Cc: David C Christian <dcc@fnal.gov>, Paul E Reimer <preimer@fnal.gov>

Dear Leo,

E906/SeaQuest requests operational readiness clearance for the parts of the experiment inspected today. The list of engineering notes and safety approval status for the experiment is posted at: <http://www.phy.anl.gov/mep/SeaQuest/E906_internal/SeaQuest_Safety.html>. The engineering notes are all available from the Projects document database (<<http://projects-docdb.fnal.gov/>>). The items inspected today are:

Item	Engineering Note
Station 1 Suspension	Projects-doc-1241
Station 3 I-Beam Assembly	Projects-doc-1242
Station 3 Rail system	Projects-doc-1255
Station 3 Drops	Projects-doc-1243
Station 3+ Chamber suspension	Projects-doc-1201
Station 3- Chamber support	Projects-doc-1261
Station 4 Prop. tube suspension	Projects-doc-1218

Thanks,
David Christian

From: Russell A Rucinski <rucinski@fnal.gov>
Subject: **Sea Quest Mechanical review**
Date: February 10, 2012 3:01:59 PM CST
To: Leo Bellantoni <bellanto@fnal.gov>

Hi Leo,

This is to follow up that I participated in the Sea Quest walk through yesterday, Feb. 9. I looked at the installation and structures highlighted by the project. I did not review any of the documentation, but note that Bob Woods and Andy Stefanik who were also there, did look at the documentation. I don't have any mechanical safety concerns with the support structures or installation we were shown. You have my recommendation for a positive issuance of an orc.

Regards,

Russ Rucinski, mechanical representative

From: Tug T Arkan <arkan@fnal.gov>
Date: February 14, 2012 9:14:27 AM CST
To: Leo Bellantoni <bellanto@fnal.gov>
Subject: RE: Oh also

I thought I did. I had a chance to look over the engineering notes after the walkthrough and all seems orderly.
Tug

From: Leo Bellantoni
Sent: Tuesday, February 14, 2012 8:51 AM
To: Tug T Arkan
Subject: Oh also

. . . did you send me an email that I have misplaced re. the mechanicals in SeaQuest a few days back?

Leo

Dr. Leo Bellantoni
(630)730-2155
MS 357, Fermilab Batavia, IL 60510

From: Eric D McHugh <emchugh@fnal.gov>
Subject: **RE: SeaQuest Mechanical inspection**
Date: February 9, 2012 11:44:06 AM CST
To: Leo Bellantoni <bellanto@fnal.gov>, Robert J Woods <rjwoods@fnal.gov>
Cc: Russell A Rucinski <rucinski@fnal.gov>, Tug T Arkan <arkan@fnal.gov>, "James L. Priest" <priest@fnal.gov>, Paul E Reimer <reimer@anl.gov>

I will not be at this portion of the review. I am satisfied if the mechanical reviewers are satisfied.
Eric

From: Leo Bellantoni
Sent: Thursday, February 09, 2012 11:01 AM
To: Robert J Woods
Cc: Russell A Rucinski; Eric D McHugh; Tug T Arkan; James L. Priest; Paul E Reimer
Subject: Re: SeaQuest Mechanical inspection

yes

Leo

Dr. Leo Bellantoni (630)730-2155
MS 357, Fermilab Batavia, IL 60510

On Feb 9, 2012, at 9:52 AM, Robert J Woods wrote:

Since one Engineering Note has not yet been approved, is the walk-through still scheduled for this morning?

Bob

From: Leo Bellantoni [mailto:bellanto@fnal.gov]
Sent: Monday, February 06, 2012 9:55 AM
To: Russell Rucinski; Eric D McHugh; Tug T Arkan; rjwoods Woods; James L. Priest; Paul E Reimer
Subject: Re: SeaQuest Mechanical inspection

Sorry All. THursday, 11:15AM

Leo

Dr. Leo Bellantoni
(630)730-2155
MS 357, Fermilab Batavia, IL 60510

On Feb 6, 2012, at 9:27 AM, wrote:

From: Andy Stefanik <stefanik@fnal.gov>
Subject: **Seaquest EN 1218 for E-906 Tube Assembly**
Date: February 10, 2012 3:32:28 PM CST
To: Leo Bellantoni <bellanto@fnal.gov>
Cc: Eric D McHugh <emchugh@fnal.gov>, Joseph W Howell <howell@fnal.gov>, Robert J Woods <rjwoods@fnal.gov>, Paul E Reimer <reimer@anl.gov>
▶ 1 Attachment, 3.4 MB

Leo,

As I stated yesterday at the walk-through, I can only accept parts of this EN as being correct, as explained in my comments on pages 1 and 2 in the attached working copy of the EN.

Most importantly, no documentation has been submitted for hanging the assembly in the vertical direction, including the hangers. This needs to be done before saying the installation in the experimental hall is ok.

Andy



[E906 Calcula....doc \(3.4 MB\)](#)

From: "Paul E. Reimer" <reimer@anl.gov>
Subject: **Re: Seaquest EN 1218 for E-906 Tube Assembly**
Date: February 10, 2012 3:57:35 PM CST
To: Leo Bellantoni <bellanto@fnal.gov>
Cc: Andy Stefanik <stefanik@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, Joseph W Howell <howell@fnal.gov>, Robert J Woods <rjwoods@fnal.gov>
Reply-To: <reimer@anl.gov>
Security:  Signed (reimer@anl.gov)
▶ 1 Attachment, 0.3 KB

Hello Leo,

There is a clear deficiency in the engineering note on the hanging mechanism of the St. 4 prop tubes that I am trying to get the Los Alamos authors of that note to remedy. I was hoping for something today, but I haven't gotten it. Without that additional documentation, I don't really expect for anyone to sign off on the St. 4 prop tube support.

I do feel, however, that the remainder of the items inspected during your walk through are ready to receive a (p)ORC.

Paul

On 2/10/12 3:32 PM, Andy Stefanik wrote:

Leo,

As I stated yesterday at the walk-through, I can only accept parts of this EN as being correct, as explained in my comments on pages 1 and 2 in the attached working copy of the EN.

Most importantly, no documentation has been submitted for hanging the assembly in the vertical direction, including the hangers. This needs to be done before saying the installation in the experimental hall is ok.

Andy

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Paul E. Reimer, Physicist +1-630-252-4037 (office)
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USA www.phy.anl.gov/mep/staff/Reimer_P_E.html



[reimer.vcf \(0.3 KB\)](#)