

**Operational Readiness Clearance (Non-beam operation)
E906 (SeaQuest) Hodoscope planes
10 Jun 2011**

AUTHORIZATION TO PROCEED WITH THE UNATTENDED OPERATION OF
HODOSCOPE PLANES in E906 (SEAQUEST)

REVIEWED AND APPROVED BY:

DATE

Particle Physics Division Head
Comments/Exceptions:

Particle Physics Senior Safety Officer
Comments/Exceptions:

Leo Bellantoni

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.

10 June 2011

Submitted By:
Paul E. Reimer

Requester Paul Reimer / Chuck Brown

10 June 11

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: "Paul E. Reimer" <reimer@anl.gov>
Subject: **Re: Safety walk through for Hodoscope Unattended Operation**
Date: June 3, 2011 1:02:23 PM CDT
To: Leo Bellantoni <bellanto@fnal.gov>
Cc: Russ Rucinski <rucinski@fnal.gov>, Tug Arkan <arkan@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, "Charles N. Brown" <chuckb@fnal.gov>, Robert Woods <rjwoods@fnal.gov>, Dave Pushka <pushka@fnal.gov>, David Christian <dcc@fnal.gov>
Reply-To: "reimer@anl.gov" <reimer@anl.gov>
Security:  Signed (reimer@anl.gov)
▶ 1 Attachment, 0.3 KB

Hi Leo,

The St. 4 note to which you are referring are the prop tubes, which I'd like to get through soon, but needs more work. This is only for the hodoscopes. My overall plan is to do the following reviews:

1. Hodoscopes are all stations for unattended operation (what is on the table now).
2. Tracking chambers at all stations.
3. Gas system
4. Electronics and DAQ

Items 2 and 4 may be combined, as the preamps are on the chambers that connect to level shifters that connect to VME cards. Alternatively, I think that most of the 4 will be ready to review next week, while 2 may take a bit longer.

Paul

On 6/3/11 12:37 PM, bellanto wrote:

On Jun 2, 2011, at 12:19 PM, Paul E. Reimer wrote:

Hello Leo and Eric,

I believe that we now have the engineering notes for the Hodoscopes processed and should proceed with and ORC for unattended operation of our hodoscopes. What is the next step that you would like to take?

Paul

No - wait? Station 4 is ready?

I have this in my files, from 1 Jun:

From: "Paul E. Reimer" <reimer@anl.gov>
Date: June 1, 2011 10:04:33 AM CDT
To: Dave Pushka <pushka@fnal.gov>
Cc: David Christian <dcc@fnal.gov>, Leo Bellantoni <bellanto@fnal.gov>, "Robert J. Woods" <rjwoods@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>
Subject: **Re: Safety/Engineering notes**
Reply-To: "reimer@anl.gov" <reimer@anl.gov>

Hi Dave and Bob,

<snip>

I read the station 4 document (1218) authored by Matt Fagan of LANL this morning. No point in asking Bob to look at this document until it is revised and re-submitted with comparisons of the stresses to a code. Aluminium members should be evaluated with respect to the Aluminum Association Design Manual. Steel members should be evaluated with respect to the structural steel code (AISC, allowable stress design). This includes fasteners. Comparison to the yield or ultimate strength of the material is not acceptable. If this is unclear, let's discuss over the phone.

I'll forward your comments on this to my LANL colleagues and they can get back to you if they need more of an explanation.

Thanks for your help

Paul

And other questions: We have also a note on "Prop tubes" for station 4. These are to be included in the review? The other 3 stations are holding . . . gas chambers, right? Is there a single simple-access point, maybe just a zip file, of all the relevant notes? Maybe it is on Doc DB.

Leo

Dr. Leo Bellantoni

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

Subject: SeaQuest
From: bellanto <bellanto@fnal.gov>
Date: Fri, 10 Jun 2011 16:04:20 -0500
To: Paul E Reimer <reimer@anl.gov>

Begin forwarded message:

From: Tug Arkan <arkan@fnal.gov>
Date: June 10, 2011 3:37:46 PM CDT
To: Leo Bellantoni <bellanto@fnal.gov>
Subject: **Re: SeaQuest?**

Leo,
I looked at the engineering notes for each station one more time after the walk-through. They look good, sound engineering is followed for the analysis.
Thanks,
Tug