

From: Phil Pfund <pfund@fnal.gov>
Subject: **FLARE Test Station Safety Review**
Date: December 13, 2007 11:32:44 AM CST
To: Jim Strait <strait@fnal.gov>
Cc: Martha Heflin <martha@fnal.gov>, Brian Degraff <degraff@fnal.gov>, Dave Pushka <pushka@fnal.gov>, Tom Page <tpage@fnal.gov>, Terry Tope <tope@fnal.gov>
 1 Attachment, 40.5 KB

Jim,

The Village & Misc. Cryogenic Safety Review Panel has completed its review of the addition of a window to the FLARE liquid argon materials test station in the Proton Assembly Building (PAB). The attached memo documents our review and carries the recommendation to you to authorize operation of the system.

We are aware that future modifications/additions are planned, as itemized in the memo, and will review them before they are integrated into the system.

Phil

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[PAB FLARE R...doc \(40.5 KB\)](#)

To: Jim Strait
Particle Physics Division

From: Phil Pfund
Chair, Village & Misc. Cryogenic Safety Review Panel

Subject: PAB FLARE Safety Review

Dear Jim,

The Village & Misc. Cryogenic Safety Review Panel has completed its review of the addition of a window to the FLARE liquid argon materials test station in the Proton Assembly Building (PAB).

Our review consisted of:

- Review of safety related documentation for the window addition. All of the FLARE documentation and updates are maintained by Terry Tope at: <http://lartpc-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=265> login: lartpc , password: argon! The documentation related to the window is on pp 217 – 233 and consists of:
 - Component description
 - Discussion of thermal shock scenarios
 - Glass properties
- Individual panel member e-mail exchanges with Terry Tope resulting in updates to the documentation listed above.
- 12/13/07 visit to PAB by panel members to see the window assembly.

Based on the above listed review activities, we are satisfied that the proposed test set-up can be operated safely with the window installed. We recommend that you authorize the operation.

It should be noted that another future modification is planned. A second pressure vessel, referred to as “Cousin Bo”, will be added to the system after the normal operational and safety related documentation has been developed. This modification is to be reviewed by this panel before this panel makes a recommendation to operate the test station with the second pressure vessel in the system.

Regards,

Phil Pfund

On behalf of the Village & Misc. Cryogenic Safety Review Panel

Copy: Martha Heflin
Terry Tope
Panel Members (Brian DeGraff, Tom Page, Dave Pushka)