

LIGO-T940043-00-B



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Page 1 of 1

December 11, 1994

To: Larry Jones
LIGO Project Caltech Pasadena, California

Fax No. (818)304-9834

From: M. L. Tellalian Phone (815)439-6517

Plainfield Engineering - PAE

RE: Status of Section Cleaning and Pumpdown Readiness Meeting
LIGO Design & Qualification Test - Caltech Contract C146

Larry,

Can Section Cleaning Status

Section 22B was solvent washed on Friday. Solvent sampling, drop test, and bleeder tests were conducted on Saturday. The test coupons will be sent by over night delivery to Rai on Monday. Water drops were between 1/4" and 5/16" in diameter with an angle to the shell between 45 and 50 degrees. No bleeders were found in area 4 or in a retest of area 3. Solvent samples will be taken to Fitzsimmons on Monday with results due in a week. The FTIR results from 22A are due sometime on Wednesday. The tube sections will be aligned, fit up, and welded during the first half of the week thereby enabling the reflectivity test on Thursday or Friday.

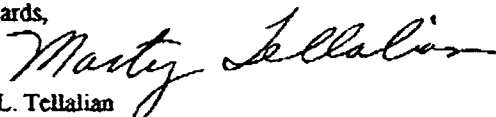
Pumpdown Readiness Review Meeting

Based on the "Draft Strawman Agenda For The QT Pumpdown Readiness Review", our meeting on Wednesday will not serve the purpose of a pre-pumpdown readiness review. Our initial goal was to have the outgas test and pumping system attached to an assembled beam tube without the heads attached. In retrospect, even this stage of assembly would probably be inadequate for a pumpdown readiness review meeting. The QT beam tubes should be assembled, leak tested, and insulated prior with the pumping, outgas testing, and bake out systems checked out prior to a test readiness meeting. These items will be accomplished by the first week in January. The meeting on Wednesday will serve to review the current status of the QT equipment and preparations, review the test procedures and data acquisition status to date, and discuss the adequacy of the QT items demonstrated by test or analysis. Your mark up of the FDR discussion on this will serve as the basis for the QT adequacy discussions.

I propose that a "Test Readiness Meeting" be after the QT assembly is completed, leak tested, and the systems are checked out. If a meeting is held on Wednesday, I would prefer that Caltech and CBI go over the history of the QT to date and discuss the QT adequacy but everyone should be aware of the fact that many items must be completed before the readiness can be confirmed.

I will be out of the office on Monday and Tuesday. I will call you Monday morning around 9:45 Central time to go over the agenda for the meeting on Wednesday and to discuss the proposed "Test Readiness Review Meeting" in early January.

Regards,


M. L. Tellalian
Plainfield Engineering