

Project Meeting April 4, 2008

Background: This is a report of the Project Meeting held Friday, April 4th. This is the second of the reformatted meeting where the focus is primarily on an intense look at the next three weeks and the actions needed to ensure that the scheduled items will be met. The RLMs conduct this meeting using the three month look-ahead schedule that is sent out prior to the meeting. These minutes include:

- Summary of actions identified during the meeting;
- Safety minute briefing;
- Three week look ahead schedule; and
- Action items from previous and the current meeting

Meeting Minutes:

Safety Briefing – Erik Perry on Fall Protection (copy of presentation attached) – primary message is fall protection measures have significantly improved since the days of the C-Stellarator. Message here: Incorporate fall protection into the design, utilizing IH to assist (Bill Slavin and Jerry Levine). Keep training up to date and ensure that personnel have the proper training prior to doing work – should be part of the pre-job briefing check.

Heitzenroeder (RLM):

- Jim Chrzanowski (Job 1302/1352 - PF Coils) – no actions needed to meet three week look-ahead schedule. Reported that multiple bids received for PF coils and that PF conductor contract awarded. On track for a May 1st award.
- Mike Cole (Jobs 1416/1421/1806):
 - Job 1416 (Mod Coil Type AB Final Design) – FMECA in final signature cycle (NCSX-FMEA-14-002)
 - Job 1421 – (Mod Coil Interface Design) – work on schedule completed, but leaving open as new work will be added as a result of current efforts (***ACTION: resolve and update following Lehman Review – Cole & Strykowski***)
 - Job 1806 (FPA Specs & Drawings) - Station 2 Assembly CSPEC in final signature cycle (NCSX-CSPEC-185-02). Station 3 Assembly CSPEC (NCSX-CSPEC-185-03) in final draft. Station 3 drawings have been out for review for a couple of weeks => need feedback on CSPEC and drawings in order to meet the April 30th schedule date – noted that Mike Viola will not require this info until end of May, however, impacted Job Managers (Brown, Viola, Heitzenroeder, Dudek, etc.) need to respond.
- Fred Dahlgren (Jobs 1353, 1501/1551 & 1702/1752) – Noted that SRDs for both Coil Structures and Base Support Structure are out for comment – comments due back by April 14th. Work impacted by unavailability to get needed design support (assigned designer has been out for last two weeks - Urgent need. One possibility to be considered is to delay trim coil assembly drawings until after FDR (not needed for procurement actions) or assigning some design work to ORNL – ORNL confirmed availability. (***ACTION: Chrzanowski & Williams – come up with mitigation plan early week of April 7th***). Additionally, Jim Chrzanowski

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- noted that we do not have sufficient ProE licenses to support current designers on staff. (*ACTION – Chrzanowski work with Computer Division to expedite computer hardware procurements*)**. Finally, noted that bearings have been received – will work with QA (John Boscoe) to get receipt inspection done.
- Bob Ellis (Job 8205 – Dimensional Control) – noted that Station 3 Dimensional Control Plan did not get issued as scheduled. Forecast date is now Tuesday, April 8th. While schedule has slipped, no immediate impact since not needed until May time frame. (*ACTION – Ellis issue Station 3 Dimensional Control Plan on April 8th*)
 - Paul Goranson (Job 1601 – Coil Services) – working on preparations for coil services PDR (early June) – will report on status of preparations next week.
 - Mike Kalish (Job 1354 – Trim Coils) – In response to question about need for a CSPEC for the trim coil conductor, noted that this will be off-the-shelf wire – Need for a PRL? (*ACTION: Kalish and Simmons discuss*). Work proceeding towards FDR at end of April – work around planned for designer shortage (see Fred Dahlgren report above). SRD and PDR CHITS being resolved and expect revised SRD for final review sometime next week (*ACTION: Kalish*)
 - Erik Perry (Job 8215 – Plant Design) – updated General Arrangements sent out later on April 4th for info. Simmons noted that there is a page on the Engineering Web for Facility Layout drawings – however, need to ensure that extraneous drawings are removed (*ACTION: Simmons work with Siegel to purge out-of-date drawings*)

Dudek (RLM):

- Larry Dudek (Job 1429 – Mod Coil Interface R&D) – noted that G10 test requires Jurcznski – hopefully next week.
- Tom Brown (Jobs 1803/1805 – FPA Assembly/Tooling) – Station 3 drawings being issued. Simulation models have been delayed - Avarsala (new hire) now working on them – expect several week delay. Purpose of these simulation models is identify issues before physically discovering them – should support Mike Viola assembly operations for Station 3. New wedges are on order and should arrive in a couple of weeks – good news! Mike Viola noted that we need to notify DOE (PSO) three months prior to Station 3 lift – informally notified Jeff Makiel at the meeting, but will follow-up with specific requirements. (*ACTION: Viola*). Tom also noted that the Station 5 drawings will meet the schedule, but that the analysis will likely slip due to delays in getting new engineer (Avarsala) on board - now here and working on this and simulation models.
- Jim Chrzanowski (Jobs 1408/1451/1459 – Mod Coil Winding) – noted that final two coils progressing on schedule. Expect to move the next coil to the Autoclave by end of April. Punch list items progressing and discussed at Daily Meeting conducted by Mike Viola on assembly operations.
- Larry Dudek (Job 1431 – Mod Coil Interface Hardware) – Bladders on order – expect delivery in late April.
- Brent Stratton (Job 3101 – Magnetic Diagnostics) – work proceeding on schedule, including support of final VV thermocouples terminations.

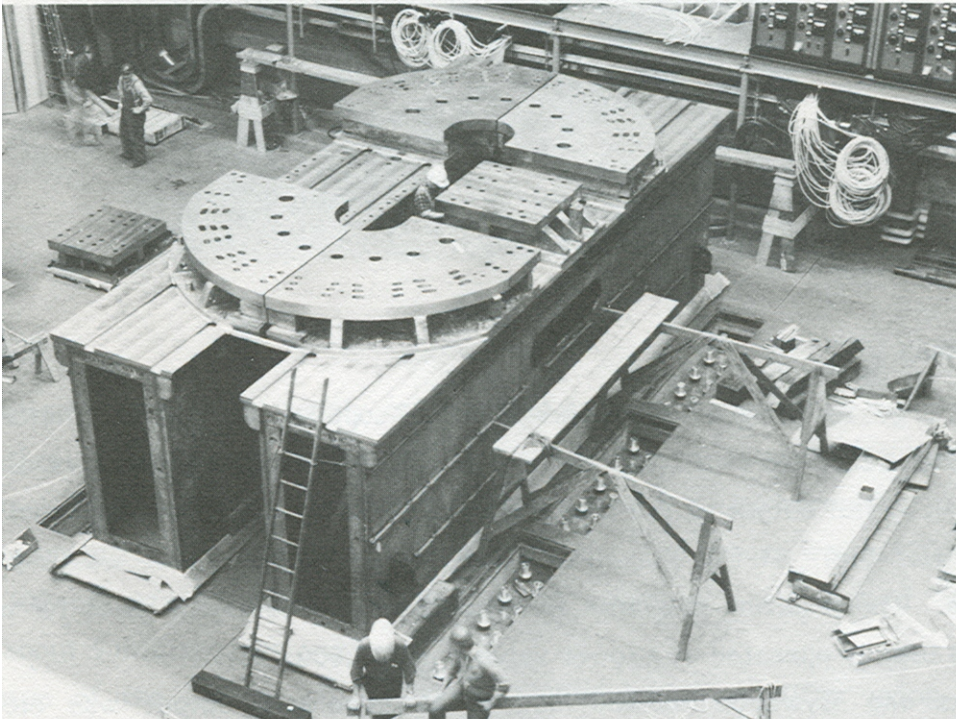
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- Mike Viola (Jobs 1802/1810/1815 – Assembly Operations). Several issues identified:
 - Heating/cooling line leaks – not able to meet requirements. Separately contacting vendor and doing our own checks on spare lines to see if our installation processes are creating the problem. (***ACTION: Dudek and Cole organize a working group, including Goranson, to assess issue and come up with a path forward***)
 - Welding distortions may impact coil alignment process. Thought to be minor and be studied now. Additionally, some bushings are proving more difficult to install than thought. (***ACTION: M. Viola continue to track carefully and report progress in daily meeting***)

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Include Fall Protection in Your Design **Safety Minute Briefing (Erik Perry)**

We are now at a point where much of our fabrication/installation work must be done while standing on something other than the floor. Be sure to include the need for fall protection in your design and in your plans so it can be done properly and without impacting your schedule. Ask for help from Industrial Hygiene or engineers who have built scaffolds and platforms. Keep in mind that the rules for work platforms have changed considerably since the Model C Stellarator was built in the CS Building.



The base of the C stellarator consisted of 365,000 pounds of nonmagnetic 305 stainless steel. It provided rigid support for parts subject to magnetic forces of 3,000,000 pounds.

Make sure that your Fall Protection and Ladder Safety training is up to date.

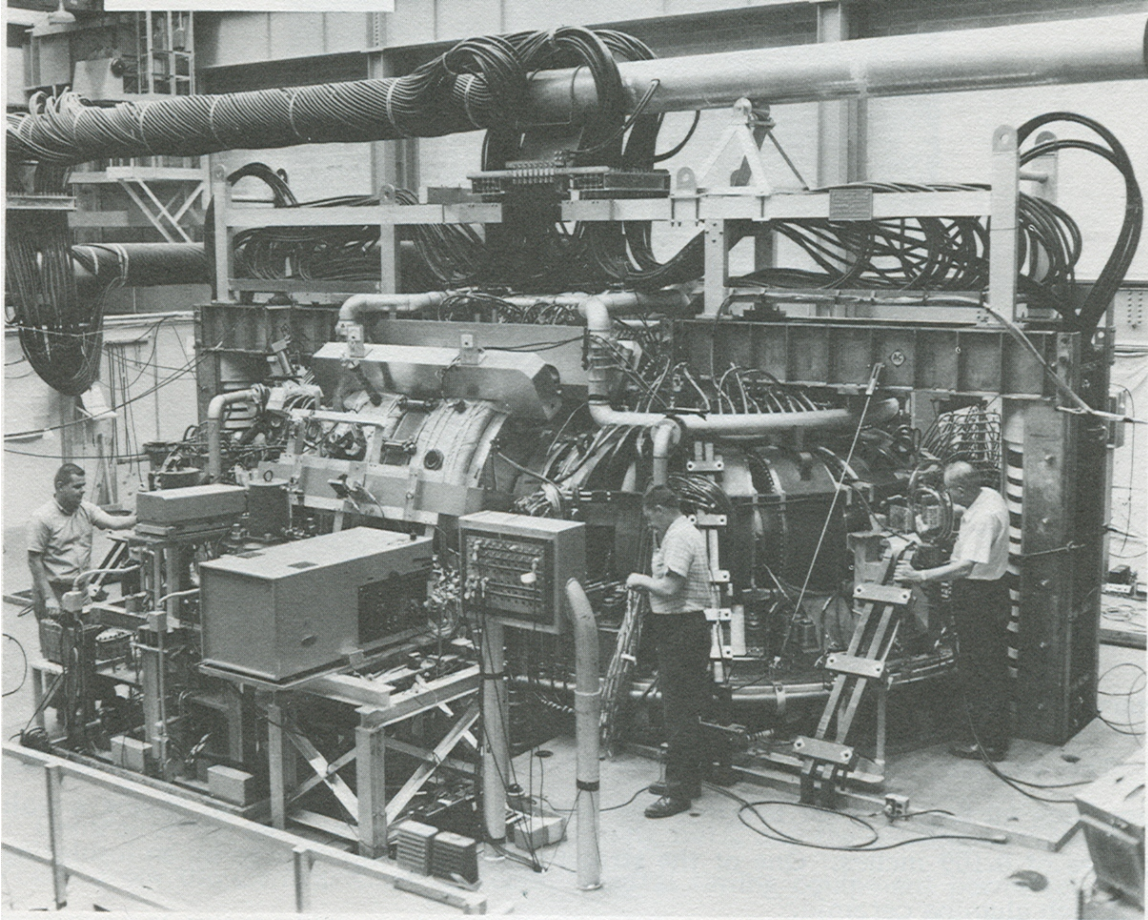
Remember that scaffolds must be inspected before every shift by someone who is qualified to do so.

Remember that platforms must be engineered and inspected before use.

Remember that full body harnesses must be tied off to something that can hold at least 5,000 lbs for each person who is tied off to it.

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Remember to ask Industrial Hygiene to review your Fall Protection plans before the work starts and to include the details of the Fall Protection requirements for your job on the JHA.



Model C stellarator in 1963

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