

## NCSX Project Meeting April 11, 2008

**Background:** This is a report of the Project Meeting held Friday, April 11<sup>th</sup>. The focus of this meeting is to primarily 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** –Larry Dudek (copy of presentation attached) on PPPL Tagout Systems and procedures. Major messages:

- Report obsolete / orphaned tags to ES&H or management
- Use of Danger tags is restricted to LOTO situations, not just for general hazards

### **Heitzenroeder (RLM)**

- Tom Brown (Jobs 8203/8205 Design Integration) - Tom needs help. Designer shortages, support for computer procurements, ProE & mechanical licenses.
  - Hire additional designers (reqn in system) . **Chrzanowski**
  - Can ORNL bring additional help to bear? **Cole/Harris**
  - Computers and licenses: OK to charge new computers to project if needed for **Chrzanowski**
- Jim Chrzanowski – Mike Kalish reporting - Jobs 1302/1352 – PF coil procurement bid evaluation on schedule. Ron Strykowski needs a progress payment schedule. **Chrzanowski**
- Mike Cole (Jobs 1416/1421/1806)
  - FMECA is in signature cycle. Need signature from ORNL people. **Harris/Cole** follow up with signatories.
  - Station. 3: Forecast models & drawings approved by Apr. 30. (Schedule was March 31). Has potential to impact Station 3 work, especially acceleration to mitigate risks.: **Harris/Cole**
  - Station 2 CSPEC in signature process. Viola/Levine/Heitzenroeder yet to sign.
  - Station 5 specs and drawings. Drawings due April 15, Specs June 6. Forecast when? Not ready for comment cycle. Need updated forecast and progress milestones for Station 5 specs & drawings. **Harris/Cole**
- Fred Dahlgren (Jobs 1353/1501/1702)
  - CS Support. Dahlgren. Need designer for PF1a interconnect bus. ORNL? Lew will pick up some of the base structure work. April 30 FDR looks

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good. **Phil & Mike Cole find solution for interconnect bus. Dahlgren send estimate and sketch to Jeff and Mike.**

- WBS 15. Structures Dahlgren. Thermal analysis- no plan yet. Is thermal analysis needed for FDR? **Action: Phil will organize brainstorm meeting on Monday.** Needs Joe back to finish details. Sometime in the next few weeks is OK.
- WBS 17. Proactively get comments on drawings from affected WBS, especially Raftopoulos. CSPEC will be needed & prepared in time. **Phil**
- Bob Ellis (Job 8205) - Station. 3 Dimensional Control plan still did not get issued. Was due March 31. Now forecast 4/30. This is slipping. Get these three things wrapped up end of April. Has potential to impact Station 3 work, especially acceleration to mitigate risks. **Ellis**
- Mike Kalish (Jobs 1361 & 1354):
  - No issues on TF coil schedules.
  - Trim coils. Action: **Viola and Kalish talk off line about changes in supports. Adjustability? Welding?** Allow MK ~a week's relief. Action: **Hutch follow-up with Mike.** Review deliverables for an FDR. FMEA needed.

### Larry Dudek (RLM)

- Tom Brown (Job 1803/05)
  - Station 2: Wedges needed soon. **Viola follow up with procurement**
  - Station 3. tooling drawings are out. MV needs design calculations for lift fixtures. **Brown**
  - Station 5 on hold due to other things getting higher priority for designer support. Missed FDR April 3. *No forecast.* **Tom update forecast.**
  - Station 5 - Loss of designer impacting this. Tom taking the brunt of it. **Chrzanowski get replacement.**
- Mike Viola Jobs 1810/1815)
  - Delayed Station 3 procedures a month. Need dimensional control plan and C-spec, and Mike's drawings. All forecast for April 30. MV says it doesn't impact anything, but need follow-up **Ellis, Cole.**
  - Taking time for additional weld development and A2B2 shear plate design. Impacts A1B1 and A2B2. A1B1 and shear plate design on hold pending Bill England visit and approval next week. Project accepts the delay. MV will do C1 fit-up in the meantime.
  - Station 3 lifts: DOE has been given notice and needed information regarding Sta. 3 lifts. Ball in DOE's court. **Viola continue to follow up.**
  - Station 3 real estate. Need it in time to set up Station 3. Want to accelerate Get started mid-June? **Larry**
  - Heating and cooling hoses. We have 13 leaks out of 192. Recovery is to replace. What is the plan for addressing the long-term reliability risk? FMECA? How many could we live without? Shields? Impact on He consumption, etc.. **Harris/Goranson**

# SAFETY TAGS---"DANGER", "NOTICE", "CAUTION"

- Safety tags are placed on equipment
  - to isolate a hazardous energy source for personnel protection
  - to identify unsafe, damaged, or deficient systems, components, or equipment
  - to prevent improper operation when a component, system, or portion of a system is isolated or in an abnormal condition
- To prevent potential safety hazards and injury
  - Use the correct tag for the intended purpose
  - Record all of the required information
  - Do not remove the tag without contacting the authorized person (installer)

# “DANGER” Tags

- Indicate an imminently hazardous situation which, if not avoided, will result in death or serious injury. Danger tags are used for "Lockout / Tagout" of energy isolation devices. Danger tags are to be used for “ LO/TO” ONLY when safing a circuit or system so work can be performed on the system safely.

Front

Front view of the tag:

TAG # 37120  
PPPL LOCKOUT TAGOUT SYSTEM

**! DANGER**

DO NOT USE, MOVE OR OPERATE  
DO NOT REMOVE THIS TAG

This tag is attached to \_\_\_\_\_

AUTHORIZED PERSON APPLYING TAG

Name: \_\_\_\_\_  
Co./Dept.: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Pager #: \_\_\_\_\_

STUB TO BE KEPT BY AUTHORIZED EMPLOYEE OR KEPT IN A LOCK BOX

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ TAG #: 37120

This Tag Has Been Attached To \_\_\_\_\_

Back view of the tag:

PPPL LOCKOUT TAGOUT SYSTEM

**! DANGER**

DO NOT USE, MOVE OR OPERATE  
DO NOT REMOVE THIS TAG

This tag indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Unauthorized removal or tampering with this tagged equipment is cause for dismissal. A life is on the line!

TASK DESCRIPTION OR REASON FOR TAG  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reason For Tag: \_\_\_\_\_

Location: \_\_\_\_\_

Back



# "CAUTION" Tags

- A tag designation used to indicate that a system, component, or equipment requires restrictions or limitations, and where violating the tag may result in injury to personnel or damage to equipment.

Front

**O**  
DO NOT REMOVE THIS TAG  
**! CAUTION**  
DO NOT OPERATE

\_\_\_\_\_ This tag attached to: \_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_

Name \_\_\_\_\_

Co./Dept. \_\_\_\_\_

Date \_\_\_\_\_

Phone # \_\_\_\_\_ Pager # \_\_\_\_\_

Tag ID # \_\_\_\_\_  
SEE REVERSE

Back

**O**  
DO NOT REMOVE THIS TAG  
**! CAUTION**  
THIS TAG IDENTIFIES ABNORMALITIES AND IS  
PLACED TO PREVENT INJURIES, PROTECT  
EQUIPMENT, FACILITIES AND/OR OPERATIONS.

\_\_\_\_\_ SPECIAL INSTRUCTIONS OR CONDITIONS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ SYSTEM SHUTDOWN  
\_\_\_\_\_ MAINTENANCE REQUIRED  
\_\_\_\_\_ TEST OUT OF DATE

Feb-07



# For More Information



- PPPL ESH-001 Use of Safety, Accident Prevention, and Equipment Protection tags
- PPPL ESH-016 Control of Hazardous Energy Sources (LO/TO)

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Lehman Baseline Finish	Remaining Float	Schedule slip(-)/ahead(+)	FY08														
								MAR			APR			MAY								
								5	3	10	17	24	31	7	14	21	28	5	12			
<b>Phil Heitzenroeder</b>																						
<b>Brown</b>																						
<b>Job: 8203 - Design Integration-BROWN</b>																						
8203FY08-1	Service routing within cryostat & TC	46*	29FEB08*	02MAY08	02MAY08	1,625	0															
8203FY08-2	Facility models update&integration	43	02APR08*	02JUN08	02JUN08	1,605	0															
<b>Chrzanowski</b>																						
<b>Job: 1302 - PF Design -CHRZANOWSKI</b>																						
1302-275	Resolve FDR Chits	51	22FEB08*	02MAY08	02MAY08	1,255	0															
<b>Job: 1352 - PF Coil Procurement-CHRZANOWSKI</b>																						
<b>PF Coil Fabrication</b>																						
141-038.1	PF Conductor Delivery	105*	21FEB08A	18JUL08	30MAY08	355	-34															
141-039	Bid & Award Materials	21	03MAR08*	31MAR08	31MAR08	1,581	0															
141-040	PF Materials Awarded	0		31MAR08	31MAR08	1,581	0															
1352-100	Materials Delivery PF 4,5,6	68	01APR08	07JUL08	07JUL08	1,581	0															
141-035	Bid & Award PF Coil Fabrication	60*	07MAR08*	30MAY08	30MAY08	303	0															
141-035A	PF Coil Proposals Due	0		02APR08*	02APR08*	303	0															
141-035B	Proposal evaluation complete	0		16APR08*	16APR08*	303	0															
141-035C	SPEB Evaluation complete	0		18APR08*	18APR08*	303	0															
<b>Cole</b>																						
<b>Job: 1416 - Mod Coil Type AB Fnl Dsn-WILLIAMSON</b>																						
<b>Top level assy models/drawings</b>																						
1416-503	Complete models/drawings station 3 Assy	185*	01JUL07A	31MAR08	31MAR08	300	0															
<b>Analysis and closeout documentation</b>																						
1416-601	Prepare EM and structural analysis of leads	86*	02JAN08A	30APR08	30APR08	1,627	0															
1416-603	Update, review and approve FMECA	78*	01NOV07A	29FEB08	29FEB08	1,635	0															
1416-604	Finalize draft documents - materials, eddy curre	5	03MAR08	07MAR08	07MAR08	1,635	0															
1416-605	Prepare Type-ABC closeout documentation	15	09APR08*	29APR08	29APR08	1,613	0															
1416-606	Resolve documentation comments	15	30APR08	20MAY08	20MAY08	1,613	0															
<b>Job: 1421 - Mod Coil Interface Design-WILLIAMSON</b>																						
<b>Inboard Interface-AB/BC/AA</b>																						
1421-3138	Resolve issues, release assembly	58*	03DEC07A	29FEB08	29FEB08	39	0															
<b>Job: 1806 - FP Assembly specs and drawings-COLE</b>																						
<b>Station 2-Modular Coil Sub- Assembly</b>																						
1803-201	Station 2 Assembly Specification	164*	01JUL07A	29FEB08	29FEB08	39	0															
<b>Station 3-Modular Coil to VVSA Assembly</b>																						
1803-301	Station 3 Assembly Specification	185*	02JUL07A	31MAR08	31MAR08	163	0															
1803-305	Station 3 Assembly Drawings	185*	02JUL07A	31MAR08	31MAR08	163	0															
<b>Station 5-Final Field Period Assembly</b>																						
1803-501	Station 5 Assembly Specification	48*	01APR08*	06JUN08	06JUN08	237	0															
1803-505	Station 5 Assembly Drawings	152*	03SEP07A	15APR08	15APR08	274	0															
1803-509	Field period Assy Dwgs	132*	01FEB08*	06AUG08	06AUG08	195	0															
1803-611	Detail dwgs ports	90	01APR08*	06AUG08	06AUG08	195	0															



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								MAR					APR				MAY							
								5	3	10	17	24	31	7	14	21	28	5	12					
<b>6.00-Final Machine Assembly</b>																								
1803-601	Station 6 Assembly Specification	120	15APR08*	02OCT08	02OCT08	377	0																	
1803-605	Station 6 Assembly Drawings	120	15APR08*	02OCT08	02OCT08	377	0																	
1803-613	Detail dwgs-man access port	120	15APR08*	02OCT08	02OCT08	377	0																	
<b>Dahlgren</b>																								
<b>Job: 1353 - CS Structure Procurement-PERRY</b>																								
<b>CS Support Structure</b>																								
1353-001	Design PF1a upper to lower interconnect bus	12	15APR08*	30APR08	30APR08	664	0																	
<b>Job: 1702 - Base Support Struct Design-DAHLGREN</b>																								
1702-520	Final design. Assy dwgs, fab dwgs,	64*	01FEB08A	30APR08	30APR08	147	0																	
1702-525M	Base Support Structure FDR	0		30APR08	30APR08	147	0																	
<b>Job: 1501 - Coil Structures Design-DAHLGREN</b>																								
1501-533	Detail CAD Drawings,BOM	260*	01JUN07A	16JUN08	16JUN08	212	0																	
1501-533F	Integrated Stress Analysis	176*	01OCT07A	16JUN08	16JUN08	222	0																	
1501-536	Issue dwgs for review	0		01APR08*	01APR08*	245	0																	
<b>Dudek</b>																								
<b>Job: 1429 - MC Interface R&amp;D-DUDEK</b>																								
<b>Outboard Interface-Friction</b>																								
1429-3030	G-10 Test	30	03MAR08*	11APR08	11APR08	1,640	0																	
<b>Ellis</b>																								
<b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>																								
METDCP-3	Dimensional control plans for station 3	40	05FEB08	31MAR08	31MAR08	163	0																	
<b>Goranson</b>																								
<b>Job: 1601 - Coil Services Design-GORANSON</b>																								
<b>161 - LN2 Distribution</b>																								
191-001	Title I design WBS 161 LN2 manifolds&piping	166*	01OCT07A	02JUN08	02JUN08	231	0																	
<b>162 - Electrical Leads</b>																								
132-001	Title I design WBS 162 Coil leads	180*	03DEC07A	21AUG08	21AUG08	199	0																	
<b>Kalish</b>																								
<b>Job: 1361 - TF Fabrication-KALISH</b>																								
<b>TF Fabrication Contract</b>																								
1361C-108	Fab, Test & Deliver Coil #8	21*	31JAN08	28FEB08	28FEB08	497	0																	
1361C-109	Fab, Test & Deliver Coil #9	1	24MAR08*	24MAR08	24MAR08	496	0																	
1361C-110	Fab, Test & Deliver Coil #10	1	15APR08*	15APR08	15APR08	496	0																	
<b>Job: 1354 - Trim Coil Design &amp;Procurement-KALISH</b>																								
<b>Trim Coil **Updated estimate**</b>																								
TRIM-130	Prepare Conductor Procurement Spec	3	25MAR08*	27MAR08	27MAR08	344	0																	
TRIM-140	Review and Approve Conductor Spec.	5	28MAR08*	03APR08	03APR08	344	0																	
TRIM-120	Procure Trim Coil Conductor	80	04APR08	28JUL08	25AUG08	344	20																	
TRIM-170	Complete Trim Coil Detailed Drawings	10	25MAR08*	07APR08	07APR08	251	0																	
TRIM-200	Assy drawings & parts list	10	08APR08	21APR08	21APR08	251	0																	
TRIM-210	Prepare for FDR	5	22APR08	28APR08	28APR08	251	0																	

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								MAR				APR				MAY			
								5	3	10	17	24	31	7	14	21	28	5	12
TRIM-220	Trim Coil + Structure FDR	1	29APR08	29APR08	29APR08	251	0												
TRIM-221	** Trim Coil + Structure FDR **	0		29APR08	29APR08	251	0												
TRIM-230	Resolve Chits	5	30APR08	06MAY08	06MAY08	251	0												
TRIM-150	Prepare Trim Coil Procurement Spec.	10	25MAR08*	07APR08	07APR08	256	0												
TRIM-160	Approve Procurement Spec	5	08APR08	14APR08	14APR08	256	0												
<b>Perry</b>																			
Job: 8215 Plant Design																			
FY07 Rebaseline Exercise																			
8210-07	Update plant model	47*	31JAN08	04APR08	26FEB08	1,645	-28												

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								MAR					APR				MAY		
								5	3	10	17	24	31	7	14	21	28	5	12
<b>Larry Dudek</b>																			
<b>Brown</b>																			
<b>Job: 1803/1805- FPA Tooling/Constr-BROWN/DUDEK</b>																			
<b>Station 3-Modular Coil to VVSA Assembly</b>																			
1803-3.11	Deliver Support Cart (PE 007703)	69*	15OCT07A				0												
1803S3-1	Flange bolt/VV support access platform	10*	03MAR08*	14MAR08	14MAR08	248	0												
1803S3-2	Updated Stations 3 and 5 sequence plan	43*	31JAN08*	31MAR08	31MAR08	208	0												
1803S3-3	Station 3 alignment FDR and clean-up activities	15	01APR08*	21APR08	21APR08	208	0												
1803S3-3M	Station 3 alignment FDR	0		21APR08	21APR08	208	0												
1803S3-5	Analyze single point lift (proof test of support	10*	18FEB08*	29FEB08	29FEB08	258	0												
1803S3-6	Station 3 simulation detail model	15*	04FEB08*	22FEB08	22FEB08	263	0												
1803S3-7	VV/MC clearance study (for VVSA1, 2 and 3)	11*	01APR08*	15APR08	15APR08	196	0												
1803S3-8	Station 3 deflection FEA study	30	16APR08	28MAY08	28MAY08	196	0												
1805S3-2	Left side base grout plates	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-3	MCHP lift fixture frame weldment	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-4	Lift fixture mounting bracket weldments	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-5	Reworked laser frame structure	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-6	Right inboard laser frame structure	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-7	Left inboard laser frame structure	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-8	Laser screen lexan sheet (1/8 x 48" x 96")	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-9	Estimate for Station 2 type alignment system	85	31JAN08	29MAY08	29MAY08	181	0												
1805S3-100	Hardware & Misc items	65	31JAN08	30APR08	30APR08	201	0												
1805S3-110	Misc assembly Cost	65	31JAN08	30APR08	30APR08	201	0												
1805S3-201	MC base support system (left / rt side)	65	31JAN08	30APR08	30APR08	201	0												
1805S3-202	Hilman roller - 8-OT plus R & U guides	65	31JAN08	30APR08	30APR08	201	0												
1805S3-203	AirLoc Wedgmount Precision Levelers	65	31JAN08	30APR08	30APR08	201	0												
1805S3-204	Lift fixture mounting bracket weldments	65	31JAN08	30APR08	30APR08	201	0												
1805S3-205	Estimate for Station 2 type alignment system	65	31JAN08	30APR08	30APR08	201	0												
1805S3-206	Hardware & Misc items	65	31JAN08	30APR08	30APR08	201	0												
<b>Station 5-Final Field Period Assembly</b>																			
1803S5-4	Station 5 (and 3) lift fixture structures and li	10*	04FEB08*	15FEB08	15FEB08	371	0												
1803S5-5	Port 4 assembly tooling, models and dwgs	31	18FEB08	31MAR08	31MAR08	371	0												
1803S5-6	Complete external platform models	33*	17MAR08*	30APR08	30APR08	332	0												
1803S5-8	Station 5 support structural analysis	10*	03MAR08*	14MAR08	14MAR08	382	0												
1803S5-9	Station 5 PDR activities	14	21FEB08*	11MAR08	11MAR08	385	0												
1803S5-10	Station 5 FDR - Base support	22*	05MAR08*	03APR08	03APR08	240	0												
1803-5.6	Station 5 FDR	0		03APR08	03APR08	240	0												
1803S5-11	Base support release for fabrication	5	04APR08	10APR08	10APR08	363	0												
1803S5-12	Station 5 FDR - Lift fixtures, port tooling and	10	08APR08*	21APR08	21APR08	351	0												
1803S5-13	Complete dwgs package & release for	5	22APR08	28APR08	28APR08	351	0												
1805S5-1	FPA base support system	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-2	Type-C side support structure	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-3	NB side stabilizing support structure	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-4	TF local temporary supports	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-5	20 ton screw jacks	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-6	AirLoc Wedgmount Precision Levelers	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-7	Port 4 handling structure	105	04APR08	02SEP08	02SEP08	240	0												
1805S5-8	Small port handling structure	105	04APR08	02SEP08	02SEP08	240	0												

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								MAR			APR			MAY								
								5	10	17	24	31	7	14	21	28	5	12	19			
1805S5-9	Station 5 (and 3) lift fixture structures	105	04APR08	02SEP08	02SEP08	240	0															
1805S5-102	Hardware & Misc. items	105	04APR08	02SEP08	02SEP08	240	0															
1805S5-103	Misc. assembly Cost	105	04APR08	02SEP08	02SEP08	240	0															
<b>Chrzanowski</b>																						
<b>Job: 1408 - MC Winding Supplies-CHRZANOWSKI</b>																						
1408-4.1	Procure Strain Gages	55	17MAR08*	02JUN08	02JUN08	170	0															
<b>Job: 1451 - Mod Coil Winding-CHRZANOWSKI</b>																						
<b>Station 3-Casting Prep &amp; Winding</b>																						
P1-161	Wind coil A6	42*	28MAR08A	27MAY08	27MAY08	93	0															
<b>Station 4-Winding, Instl Chill Plates,Tubing,Bag</b>																						
P3-170	Instl Chill Plates,Tubing,Bag B6	42	31JAN08A	30APR08	02JUN08	171	22															
<b>Station 1 Post VPI</b>																						
P2-051C	Final Clamps & Warm Test (Station1) C6	43	31JAN08	31MAR08	16APR08	205	12															
P3-171C	Final Clamps & Warm Test (Station1) B5	16	01APR08	22APR08	08MAY08	207	12															
<b>Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI</b>																						
<b>Punchlist Tech shop/RESA</b>																						
PLTS-C3	Grinding & Drill Holes -C3	102*	01OCT07A	03MAR08	03MAR08	187	0															
PLTS-C4	Grinding & Drill Holes -C4	5	01OCT07A	10MAR08	10MAR08	214	0															
PLTS-C5	Grinding & Drill Holes -C5	5	01OCT07A	17MAR08	17MAR08	1,659	0															
PLTS-B5	Grinding -B5	5	23APR08	29APR08	15MAY08	207	12															
PLTS-A6	Grinding -A6	5	01OCT07A	19SEP08	19SEP08	93	0															
PLTS-C6	Grinding & Drill Holes -C6	20	01APR08	28APR08	14MAY08	205	12															
PLTS-GRIND	Coil to coil fitup modifications (grinding/cp)	165*	01DEC07A	31JUL08	31JUL08	1,563	0															
<b>Punchlist- Coil Technicians</b>																						
PLCT-A3	Insul,measure,TC, other punch list-A3	17	05JUL07A	14FEB08	14FEB08	174	0															
PLCT-A4	Insul,measure,TC, other punch list-A4	17	06JUL07A	05MAR08	05MAR08	174	0															
PLCT-B3	Insul,measure,TC, other punch list-B3	14	01OCT07A	20MAR08	20MAR08	174	0															
PLCT-C3	Insul,measure,TC, other punch list-C3	18	01OCT07A	07APR08	07APR08	174	0															
PLCT-B4	Insul,measure,TC, other punch list-B4	14	01OCT07A	21APR08	21APR08	174	0															
PLCT-C4	Insul,measure,TC, other punch list-C4	14	25JUL07A	02MAY08	02MAY08	184	0															
PLCT-A5	Insul,measure,TC, other punch list-A5	14	30JUL07A	12MAY08	12MAY08	184	0															
PLCT-A6	Insul,measure,TC,SG other punch list-A6	14	01OCT07A	09OCT08	09OCT08	93	0															
PLCT-B5	Insul,measure,TC, other punch list-B5	14	01OCT07A	29OCT08	29OCT08	93	0															
PLCT-C5	Insul,measure,TC, other punch list-C5	18	01OCT07A	06NOV08	06NOV08	93	0															
PLCT-B6	Insul,measure,TC,SG other punch list-B6	14	01OCT07A	17JUL08	18AUG08	171	22															
PLCT-C6	Insul,measure,TC,SG other punch list-C6	14	01OCT07A	16MAY08	04JUN08	205	12															
<b>Dudek</b>																						
<b>Job: 1431 - Mod. Coil Interface Hardware-DUDEK</b>																						
<b>Bladders</b>																						
1421-3024	Prep Req, Bid,& Award Remaining Bladders	21*	03MAR08*	31MAR08	31MAR08	114	0															
1421-3025	Deliver remaining bladders	14*	01APR08	18APR08	18APR08	114	0															
1421-3028	Bladders available	0		18APR08	18APR08	114	0															
<b>Pucks</b>																						
1429-3110	PPPL cut and grind to thickness	290*	04FEB08	31MAR09	31MAR09	17	0															

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Lehman Baseline Finish	Remaining Float	Schedule slip(-)/ahead(+)	FY08															
								MAR			APR			MAY									
								5	3	10	17	24	31	7	14	21	28	5	12				
<b>Shims-Outboard</b>																							
1429-3066	Outboard Shims	130	03MAR08*	03SEP08	03SEP08	90	0																
1429-3066H	Deliver 1st HP shims to PPPL	1	31JAN08*	31JAN08	31JAN08	60	0																
<b>Shims-Inboard</b>																							
1429-3062X	Inboard Shims	208	03MAR08*	02JAN09	02JAN09	74	0																
1429-3060B	PPPL water jet cut inboard shims	3	03JAN08A	05FEB08	05FEB08	52	0																
1429-3060A	PPPL mill inboard shims to thickness (for A-B)	5	06FEB08	12FEB08	12FEB08	52	0																
1429-3060D	PPPL mill inboard shims to thickness (for B-C)	10	13FEB08	26FEB08	26FEB08	93	0																
1429-3060C	PPPL anneal inboard shims	3	13FEB08	15FEB08	15FEB08	52	0																
<b>Studs,Washers,Nuts</b>																							
1421-3063	Stud kits available for balance of MC assy	0		30JAN08	29FEB08	156	22																
<b>Stratton</b>																							
<b>Job: 3101 - Magnetic Diagnostics-STRATTON</b>																							
<b>Rogowski Coils</b>																							
3101-352	Assy & detail dgws	46	31JAN08	03APR08	03APR08	431	0																
3101-353	Prep installation procedure	31	04APR08	16MAY08	16MAY08	431	0																
3101-354	Purchase materials	62	31JAN08	25APR08	25APR08	446	0																
3101-370	Check elect characteristics of cables	503*	16APR08*	23APR10	23APR10	1,135	0																
3101-351	Wind coils	13*	31MAR08*	16APR08	16APR08	453	0																
3101-359	Install Rogowski coils (budgeted in job 1815)	21*	02APR08*	30APR08	30APR08	255	0																
<b>TF and PF Co-wound Loops</b>																							
3101-425	Design Protective boxes for PF	100*	01NOV07A	01APR08	01APR08	1,558	0																
3101-426	Purchase SS Sheet	10	12NOV07A	18JUN08	18JUN08	320	0																
3101-452	Form Protective boxes	10	12NOV07A	23JUN08	23JUN08	320	0																
3101-454	Weld end plates of PF protective boxes	10	09NOV07A	30JUN08	30JUN08	320	0																
3101-427	Purchase Heat Shrink tubing	15	12NOV07A	19MAY08	19MAY08	1,495	0																
3101-458	FabTF,PF & solenoid co-wound loops	186	02JUL07A	15AUG08	15AUG08	1,462	0																
<b>T/C and Heater Tape Leads</b>																							
1204-140.1	Peer Review T/C and Heater Tape Leads	12	15APR08*	30APR08	30APR08	183	0																
1204-141	Drawings Signed T/C and Heater Tape Leads	0		30APR08	30APR08	183	0																
1204-144	Check elect characteristics T/C & heater port 12	65	01MAY08	01AUG08	01AUG08	183	0																
<b>Voltage Loops &amp; Protective Boxes</b>																							
3101-802	Fab 3 protective Boxes (Use Existing Box)	10	31JAN08	13FEB08	30MAY08	1,682	76																
3101-806	Check elect characteristics of coax	86*	31JAN08	30MAY08	13JUN08	1,606	10																
<b>Viola</b>																							
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																							
<b>Station 3 procedures,JHA,ACC,Training,Prep</b>																							
R1802-307	Procedures written & approved	10	01APR08	14APR08	14APR08	163	0																
R1802-309	JHA completed	6	15APR08	22APR08	22APR08	163	0																
R1802-311	Training needs identified & released	6	23APR08	30APR08	30APR08	163	0																
<b>Job: 1810 - Field Period AssyStation 1,2,3 VIOLA</b>																							
<b>Station 1-VV Prep (hard surface components) FP#1</b>																							
R1810-1108	Perform final acceptance testing (H/C flow test)	15	26MAR08*	15APR08	15APR08	284	0																
R1810-1100	Design & Build heater& thermo termination box	41	06MAR08*	01MAY08	01MAY08	254	0																



Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Lehman Baseline Finish	Remaining Float	Schedule slip(-)/ ahead (+)	FY08														
								MAR			APR			MAY								
								5	3	10	17	24	31	7	14	21	28	5	12			
<b>Station 1- VV Prep (hrd surf cmpntsFP#2)</b>																						
R1810-1208	Perform final acceptance testing (H/C flow test)	32	16APR08	30MAY08	30MAY08	341	0															
<b>Setup</b>																						
R1810-2047	Calibrate stud tensioner	420*	31JAN08A	30SEP09	01APR08	1,272	-376															
R1810-2036	Fuji Paper	20*	31JAN08	27FEB08	27FEB08	1,672	0															
R1810-2045	2 Electric Torque wrench	56	31JAN08*	17APR08	17APR08	1,636	0															
R1810-2080	3rd laser tracker	65	01APR08*	01JUL08	30APR08	1,584	-43															
R1810-2027	Install THIRD Holding 20 deg fixture	10	01APR08*	14APR08	14APR08	1,639	0															
R1810-2084	Design and purchase 3 additional wedge	87*	31JAN08	02JUN08	02JUN08	18	0															
R1810-2024	Rework wedges f/combined assemblies& coil	97*	31JAN08	16JUN08	13FEB08	1,595	-87															
R1810-2085	Trak 3 axis mill	65	31JAN08*	30APR08	30APR08	1,612	0															
R1810-2086	Trak 3 axis mill collet set	65	31JAN08*	30APR08	30APR08	1,627	0															
R1810-2087	Coordinate measuring machine	65	31JAN08*	30APR08	30APR08	1,627	0															
R1810-2088	HEPA machine tool exhaust system	65	31JAN08*	30APR08	30APR08	1,627	0															
R1810-2089	Tools, cabinets & storage shelving	65	31JAN08*	30APR08	30APR08	1,627	0															
R1810-2002	Purchase grinding machine	45	31JAN08	02APR08	02APR08	1,647	0															
S20-3.03	Compress G10 shims & sort (initial 300 shims	420*	31JAN08*	30SEP09	07FEB08	1,272	-414															
S20-4.01	Install MCHP fixtures & metrology equipt	67	01APR08*	03JUL08	03JUL08	1,582	0															
S20-4.02	Perform metrology set-up;purchase 6 pillars	65*	31JAN08*	30APR08	31MAR08	1,627	-22															
<b>Pre-Measuring and fitup checks</b>																						
<b>Pre measurement of MCHP A2,B2,C2 flanges</b>																						
S22-3.02	Compress shims sort by thickness	17*	07MAR08*	31MAR08	03APR08	99	3															
<b>Pre measurement of MCHP A3,B3,C3 flanges</b>																						
S23-1.01	Verify mating MC's of MCHP will come together	4	31JAN08	05FEB08	06MAR08	144	22															
S23-3.02	Compress shims sort by thickness	6	25APR08*	02MAY08	21APR08	81	-9															
<b>Pre measurement of MCHP A4,B4,C4 flanges</b>																						
S24-1.01	Verify mating MC's of MCHP will come together	4	16APR08	21APR08	25APR08	174	4															
S24-2.08	Measure C4 "A" flange	8	22APR08	01MAY08	07MAY08	174	4															
<b>Station 2 MC subassy A1B1C1</b>																						
<b>A-B MC Assembly</b>																						
2-1-6.231	Perform alignment "B" coil tooling balls	1	01APR08*	01APR08	25APR08	18	18															
2-1-6.24	"B" coil, position coil accurately in x, y, &	1	02APR08	02APR08	28APR08	18	18															
2-1-6.25	Install alumina shims;studs,supernuts, wiggle t	1	03APR08	03APR08	29APR08	18	18															
2-1-6.26	Torque50% of final value.	1	04APR08	04APR08	30APR08	18	18															
2-1-6.27	Measure position of all monuments	1	07APR08	07APR08	01MAY08	18	18															
2-1-6.271	Fuji paper, & examine load sharing.	3	08APR08	10APR08	06MAY08	18	18															
2-1-6.272	Install new shims & Fuji paper.	3	11APR08	15APR08	09MAY08	18	18															
2-1-6.273	Install shims without Fuji paper,studs, torque5	2	16APR08	17APR08	13MAY08	18	18															
2-1-6.28	Adjust shims locally. Re-torque all studs50%.	2	18APR08	21APR08	15MAY08	18	18															
2-1-6.29	Install bushing. Replace nut & tighten back 50%	3	22APR08	24APR08	20MAY08	18	18															
2-1-6.30	After super bolt tightening, measure position	1	25APR08	25APR08	21MAY08	18	18															
2-1-6.31	Tighten all bolts to final torque.	1	28APR08	28APR08	22MAY08	18	18															
2-1-6.32	After tightening hardware, measure position	2	29APR08	30APR08	27MAY08	18	18															
<b>Station 2 MC subassy A2B2C2</b>																						
<b>A-B MC Assembly</b>																						
2-2-6.01	Lower Type-A modular coil onto jacks	3	24APR08*	28APR08	28APR08	81	0															
2-2-6.02	Mark nose shim locations & puck locations.	0	29APR08	28APR08	28APR08	81	0															
2-2-6.03	Place initial set of alumina shims (4-8) on Type	1	29APR08	29APR08	29APR08	81	0															
2-2-6.05	Lower mating "B" coil into position.	1	30APR08	30APR08	30APR08	81	0															

**Weekly Meeting Actions Tracking Log  
Open Action Items**

Meeting Date	Job	Action	Responsibility	Date of Status	Status
<b>4/11/2008</b>					
	1302/1352	Provide progress payment schedule to Strykowski	Chrzanowski	4/11/2008	
	1416	FMEA needs to be signed	Harris/Cole	4/11/2008	Freundenberg/Batiste/Goranson need to sign
	1806	Station 3 drawings and CSPEC	Harris/Cole	4/11/2008	Forecast is now April 30th - need by them to preclude impacting Station 3 schedule and potential acceleration of the schedule.
	8203	Station 5 drawings out for review.	Brown	4/11/2008	
	8203	Provide lift figure calculations to Viola	Brown	4/11/2008	
	1810	Need real estate for Station 3 in mid-June to support and acceleration of Station 3 activities	Dudek	4/11/2008	Work with Chrzanowski and Viola to develop accelerated turnover schedule
<b>4/4/2008</b>					
	1353 1501/1551 1702/1752 8203	Shortage of designers impacting scheduled work (PF1A design, FDR, Design Integration, etc.)	Chrzanowski & Williams Harris/Cole Dahlgren	4/11/2008	Provide replacement designer either by hiring or utilizing ORNL personnel. Dahlgren provide sketch of PF1-A scheme to ORNL.
	1501/1551 1702/1752	SRDs for both Coil Support Structure and Base Support Structure out for comment	Impacting WBS Managers	4/11/2008	Comments due back April 14th.
		Do not have sufficient stations/ProE licenses to support existing designers	Chrzanowski	4/11/2008	Work with Computer Division to expedite procurements
	1354	Update of SRD and resolution of PDR CHITs	Kalish	4/11/2008	Issue update of SRD and CHIT resolution by April 14th
	1810	Notify DOE (PSO) of specific Station 3 lift requirements - follow-up to informal notification given April 4th	Viola	4/11/2008	Done - continue to follow-up with PSO to ensure everything on track
	1810	Resolve heating/cooling leak issues - assess issue, causes, and mitigation plans	Viola Harris/Cole/Goranson	4/11/2008	Only 13 of 192 hoses had leaks - will replace them. What is plan for addressing long-term reliability issues - how many can we live without? Install shields? Impact on He consumption? Etc.
-					
	1806	Comments needed on Station 3 drawings	Cole, Brown, Viola, etc.	4/4/2008	Need comments
	1806	Station 2 CSPEC in sign-off	Simmons	4/11/2008	Viola/Levine/Heitzenroeder need to sign.
	1806	Station 5 - need progress milestones	Cole	4/11/2008	Identify progress milestones
	1702	Base Support Dwgs comments overdue	Heitzenroeder	4/11/2008	Need comments - followup w/ reviewers, especially Raftopoulos
	8205	Dimensional Control Plan for Station 3	Ellis	4/11/2008	Need to issue for comment ASAP (NLT than 4/30/2008)
	1601-161	When will we have a PDR for the leads?	Goranson, Heitzenroeder, Ramakrishnan	4/4/2008	Work with ORNL to schedule PDR (Tentatively early June). Also question about routing cooling lines. Need for bleed resistors - peer review scheduled 4/4
	1354	Trim coil - plans to meet FDR date?	Kalish/viola/Neilson	4/4/2008	Working on meeting April 29th FDR date - some discussions on impact of potential changes to supports - adjustability & welding questions. Will FMEA be provided as required for the FDR? Consider delaying FDR one week.
	1803/1805	Delivery for additional wedges	Dudek, Viola	4/11/2008	Original delivery May 9th - however, first wedge expected mid-April. Follow-up with Procurement.
		Need new weld engineer	Dudek	4/11/2008	Receiving resumes