

Norbert Holtkamp
Accelerator Systems Division
Division Director

PHONE: (865) 241-6945
FAX: (865) 241-6739
Cell Phone: (865) 919 1070
E-MAIL: holtkamp@sns.gov

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While preparation for rf conditioning were ongoing last week, we learned on Friday that a HVCM had a major fault during 24 h testing at DYNAPOWER that led to a fire inside the HVCM enclosure. As a result we decided to suspend operation until an investigation (happened on Saturday), a variety of modification as a result of the investigation and a safety walkthrough with an independent team had happened. As of Tuesday afternoon this week permission to operate the HVCM on the site has been granted again. Since then final checkouts (interlocks, Machine protection systems and controls) are ongoing and rf conditioning has begun on Thursday May 1st at 11:26 am (see picture below). Also preparations were made to handle the vacuum leaks in EMDs of tank 3. The tank is under vacuum since last Friday awaiting begin of conditioning. The vacuum level improved over the weekend to $\sim 2 \times 10^{-7}$ Torr. Handoff between LANL and ORNL on the water, vacuum and control systems was basically completed over the course of the week in parallel with the installation activities. For DTL the majority of the DT's have arrived (ahead of schedule) and preparations are ongoing to begin installation next Monday. The endplates are on the critical path and will limit the alignment at this time. Workarounds are under investigation to be able to begin installation asap.

At LANL the first batch of rebuilt Tank-1 drift tubes (Fig. 1) were completed on Saturday 4/19/03 and shipped that day to ORNL. We continued to ship throughout the week, with 44 (of 48) shipped. These drift tubes are pristine and leak tight. Work began on these units 11/18/02 so we have produced them from "copper bar stock" in 22 weeks. The tuning ring for the upstream T-1 end wall was machined; end wall machining is the critical path item and is being given significant attention. ASD and LANL personnel were at GSI Darmstadt to begin copper plating of Tank-5. The first section was completed on 4/24/03. The remaining two will be completed next week. The latest delivery dates are for the other tank components are shown in the table.

	DTL Conditioning Start	
	Parts in OR**	RF condit.
DTL 4	21-Jul-03	7-Oct-03
DTL 5	8-Aug-03	29-Sep-03
DTL 6	28-Aug-03	23-Oct-03
DTL 2	26-Sep-03	7-Nov-03

**BPM and EMD later for part del.



Fig. 1: Rebuilt Tank-1 drift tubes.

Milestone description	Baseline date	Working Schedule	Number total	Number or % complete	Delta last week
DTL 3 DT's repair	Feb 28 th '03	March 31	27	100%	0
DTL 3 EMDs	Mar 12 th '03	Feb 27	4	100%	0
DTL 3 Dummies	Mar 12 th '03	April 4	2	100%	0
DTL 3 BPM's	Aug 31 st '03		2	0	0
DTL 3 Top hats	Mar 6 th '03	March 13	31	100%	0
DTL 3 postcouplers	Mar 6 th '03	March 31	16	100%	0
Waveguide taper	Mar 13 th '03	March 31	1	100%	0
DTL 3 ready for RF	April 16 th '03	April 25		IPS marker DTL045	
DTL 1 DT's repair	Mar 18 th '03	April 9	7	100%	0
DTL 1 DT's rebuilt	April 17 th '03	May 5	48	44	24
DTL 1 dummies	Mar 27 th '03	May 7	4	0	0
DTL 1 DT's installed	May 1 st '03	May 9	100 %	0	0
DTL 1 other parts	April 1 st '03	May 2	100 %	0	0
All DTL 1 parts shipped	Mai 20 th '03	June 6	100 %	IPS marker DTL055	0
DTL 1 ready for rf	May 21 th '03	June 16	100 %	IPS marker DTLINK31	



Picture taken in the Front End Building within the temporary control room right before the first rf pulse hit DTL 3 on Mai 1st at 11:26 am.

Congratulations to the team from LANL, Oak Ridge and Berkely.