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We continue to evaluate the impacts of the late start of conditioning and the delayed ARR. Good progress was made on the technical side and we expect conditioning of tank 1 to begin next week. Overall, the DTL commissioning begin milestone for all DTLs (originally foreseen Dec '03) is forecasted now at end of January '04. Detailed working schedules are underway to support that date. Sufficient float should be available to finish up all assembly work and preparation.

The team completed final tuning of Tanks 1 and 3 at the SNS site. Tank-1 resonant frequencies and Q problems reported last week were resolved, and the system is under vacuum. The EMD DT's Tank 3 & 4 body/stem brazing is done and leak checked (Fig. 1). All are within dimensional tolerances.



Fig. 1: EMD drift tubes for Tanks 3 and 4.

Concerns & Actions: (1) The first three Milhaus produced DTL drift tubes EMD magnet as received at Los Alamos has numerous physical and documentation deficiencies which increase the risks of damage during EMD drift tube fabrication and malfunction later during machine operation. They included excess resin in bore locating pin location is out of position, excess resin at leads to magnet body interface, and crooked leads. They are being sent back to the vendor for repairs. Schedule impact is under evaluation.

Vacuum and cooling system controls checks will be completed next week in preparation for RF conditioning. Shielding around the upstream end of DTL-1 is being put in place and finalized. The moveable concrete shield door at the entrance to the tunnel has been completed and fitted in place.

Component	Engineer	Tank 4					Tank 5				
		Identifier	Quantity	Shipping Date	Delivered	Change from last week	Identifier	Quantity	Shipping Date	Delivered	Change from last week
Drift Tubes	Gentzlinger	4A	7	11-Aug-03	0		5E	8	9-Sep-03	0	
		4B	6	18-Aug-03	0		5F	7	15-Sep-03	0	
		4C	6	25-Aug-03	0		5G	8	22-Sep-03	0	
		4D	8	1-Sep-03	0						
Dummies	Gentzlinger			With DT Groups				With DT Groups			
EMDs	O'Hara		4	20-Oct-03	0		4	20-Oct-03	0		
BPMs	O'Hara		2	20-Oct-03	0		2	20-Oct-03	0		
Top hats	Rowton	1.25"	27	1-Aug-03	0	1.25"	23	1-Aug-03	0		
Shrouds	Rowton		27	5-Aug-03	0		23	5-Aug-03	0		
Endwalls	Turon		2	Complete	2		2	Complete	2		
Post Coupler Kits	Rowton		27	Bead Pull + 15	0		23	Bead Pull + 15	0		
Slug Tuners	Rowton		12	Bead Pull + 7	0		12	Bead Pull + 7	0		
Access Ports			2		0		2		0		
RF Grills			4		0		4		0		
Wave Guide-Iris	Valdiviez		1	30-Jul-03	0		1	7-Aug-03	0		
Window	Cummings		1	14-Jul-03	0		1	14-Jul-03	0		
Stands	Turon		1	Complete	1		1	Complete	1	0	

Component	Engineer	Tank 6					Tank 2				
		Identifier	Quantity	Shipping Date	Delivered	Change from last week	Identifier	Quantity	Shipping Date	Delivered	Change from last week
Drift Tubes	Gentzlinger	6H	10	30-Sep-03	0		2J	12	3-Oct-03	0	
		6I	11	8-Oct-03	0		2K	12	9-Oct-03	0	
						2L	11	16-Oct-03	0		
						2M	8	23-Oct-03	0		
Dummies	Gentzlinger			With DT Groups				None	0		
EMDs	O'Hara		4	1-Oct-03	0		4	1-Oct-03	0		
BPMs	O'Hara		2	1-Oct-03	0		2	1-Oct-03	0		
Top hats	Rowton	1.25"	21	1-Aug-03	0	.75"	41	1-Aug-03	0		
						1.00"	6	1-Aug-03			
Shrouds	Rowton		21	5-Aug-03	0		47	10-Jul-03	0		
Endwalls	Turon		2	Complete	2		2	Complete	2		
Post Coupler Kits	Rowton		21	Bead Pull + 15	0		27	Bead Pull + 15	0		
Slug Tuners	Rowton		12	Bead Pull + 7	0		12	Bead Pull + 7	0		
Access Ports			2		0		1		0		
RF Grills			4		0		4		0		
Wave Guide-Iris	Valdiviez		1	23-Aug-03	0		1	3-Sep-03	0		
Window	Cummings		1	28-Aug-03	0		1	28-Aug-03	1		
Stands	Turon		1	Complete	1		1	Complete	1	0	