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## Weekly update on DTL #1+ #3 ; week 49

Narrative description:

Technical (1) Coronado Machining started rebuilding approximately 20 tank-1 drift tubes. (2) approximately 200 drawings for the tank-3 drift tube repairs were generated; (3) a baseline schedule was established; (4) LANSCE-1 Mechanical Engineering group stated work in support of the drive iris, EDM drift tube, and BPM drift tube manufacturing; (5) personnel were identified from LANL ESA and DX division for transfer into SNS; (6) we hosted a comprehensive 3-day external review of the DTL design and manufacturing plan; (7) a contract for the tank-2 water manifold was awarded to AVANTech.

Actions: (1) We need experienced mechanical engineers and designers to execute the DTL manufacturing plan. A full request has been developed and we are working with other LANL directorates to facilitate transfers.

Staffing: LANL team is staffing up with mechanical engineers and designers. Personnel from LANL LANSCE, ESA, and DX Division are being reassigned. Significant support from LANL Director and Deputy Directors are expediting the redirection. Jim Stovall sent out the first draft of the recovery plan.

There is one changes in the status table as compared to last week. Actually only 13 instead of 15 DT for tank one were repaired.

Milestone description	Due Date	Number total	Number or % complete	Delta last week
DTL 3 DT's repair	Feb 28 <sup>th</sup> '03	31	0	0
DTL 3 DT's rebuilt	Feb 28 <sup>th</sup> '03	2	0	0
DTL 3 DT's new built	Feb 28 <sup>th</sup> '03	0		0
DTL 3 other parts	Feb 28 <sup>th</sup> '03	100 %		0
All DTL 3 parts shipped	Feb 28 <sup>th</sup> '03	100 %	? / IPS marker DTLINK51	0
DTL 3 installation	April 16 <sup>st</sup> '03	100 %	? /IPS marker DTL045	0
DTL 1 DT's repair	April 1 <sup>st</sup> '03	13	13	-2
DTL 1 DT's rebuilt	April 1 <sup>st</sup> '03	46	0	
DTL 1 DT's new built	April 1 <sup>st</sup> '03	0	0	
DTL 1 other parts	April 1 <sup>st</sup> '03	100 %	??	?
All DTL 1 parts shipped	April 1 <sup>st</sup> '03	100 %	? / IPS marker DTL055	?
DTL 1 installation	May 21 <sup>th</sup> '03	100 %	? / IPS marker DTLINK31	?

The external technical review chaired by P. Grand finished their review. Strong criticism was voiced concerning several technical design decisions that should be revisited during the DTL recovery program. Delivery if DTL 3 and 1 is doable within the IPS dates according to the review. Needs more aggressive approach and immediate staffing of the group with experienced engineers.