

**JLab SNS Cryomodule Production Status Report
For Period Ending February 20, 2004**

DRAFT

	Cum. To Date		Previous 4 Wk Running Average		Next 4 Wk Rate (To Complete by Jan. 05)
	Plan	Actual	Plan	Actual	
Cavities Produced	38	38	4	1	4
Cryomodules Produced	9	8	1.2	1	1.2

Major Accomplishments

- The M-8 cryomodule is at 2.1K and the low power RF testing was completed; it is on hold for high power RF.
- The M-9 cryomodule is having the End Cans attached; this is about 6 working days behind the attached schedule
- Assembly of the M-10 cavity string is complete and cryomodule assembly has started.
- Assembly of the M-11 cavity string (last MB) is in progress and should be finished by Monday.

Key Issues & Actions Being Taken

- The high-pressure rinse pumps have run reliably this week. The life test pump has run 250 hrs with no sign of problems (the last two failures occurred after 125 hrs). In accordance with our preventative maintenance program, we plan to replace the operating pump with the pre-qualified pump Monday, after M-11 string assembly is complete.

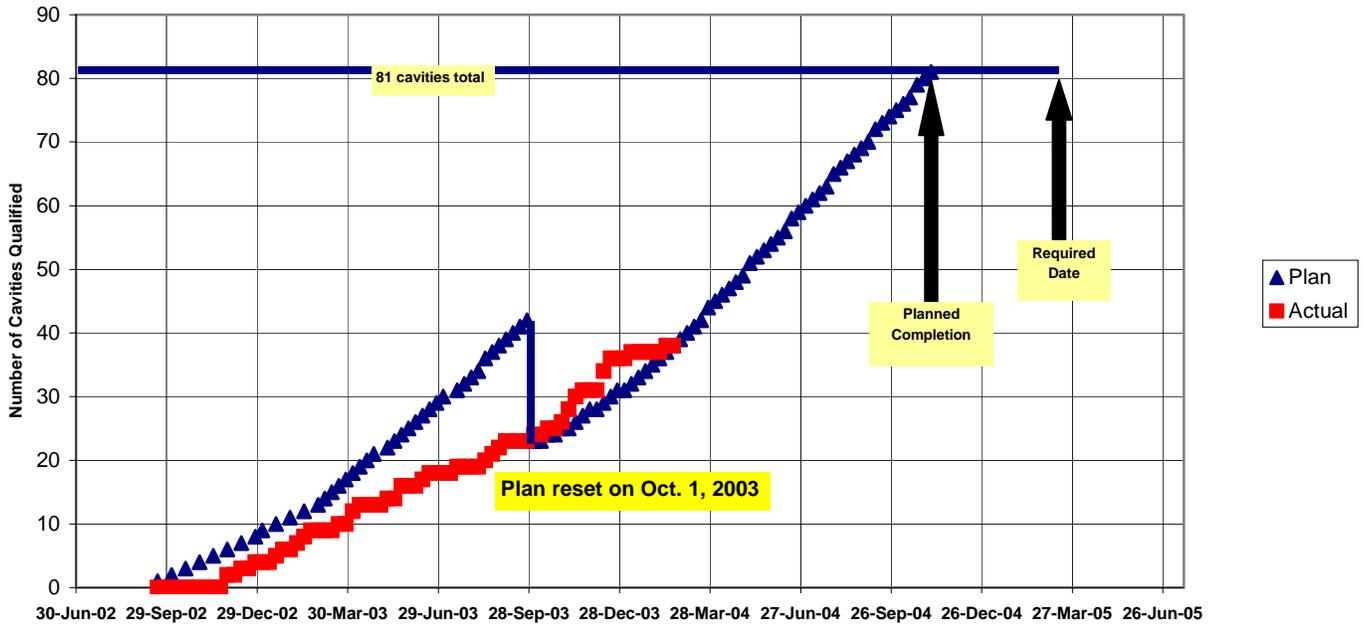
Management Items

Management continues to closely monitor progress on resolution of the high-pressure rinse pump problems. The HB cavity performance has not returned to the pre 15-Jan-04 performance level.

In contrast to the Prototype and First Article HB cavities, which reached 140% of spec last April, the recent HB are hitting a barrier at 65 to 80%. We are investigating this in a two-prong approach: 1) the HPR water and 2) investigating the potential of a change in the raw cavity. We have sampled the water and sent it off to a testing lab, primarily looking for biological and / or hydrocarbons contamination. We are also installing an on-line "Total Oxidizable Carbon" monitor. For the second prong we are retesting at least one of the April-04 cavities, in order to separate the effects of processing and production.

The 10th failure of the 1MW RF system has occurred; the power resistors disintegrated. We are cleaning up the cabinet, analyzing damage and ordering repair parts.

JLab SNS Cavity Qualification



JLab SNS Cryomodule Production

