NCSX												
Summ	arv Cost P	erform	ance A	Analvsi	S							
March	1st, 2004											
		BCWS	BCWP	ACWP	<u>Sched</u> Vari.	<u>SPI</u>	<u>Cost</u> Vari.	<u>CPI</u>	Schedule:	Cost:	ETC:	Issues:
Total Project		10573	10377	10776	-196	1	-399	1	Modular Coil Final Design	Modular Coil Final Design-\$443k Is this a future call on contingency?	+ \$231k increase (forecast draw on contingency)	Manpower to support schedule
												Current costing rate.
												Management reserve balance
lab 4000	N/	4005	40.47	4004	50	0.00	47	0.00	Debugedeleg herbiged. Deliver av Aresil	Dath Dahmaddan and Mainsteal	Debugedden y \$450	
Job 1202	Vacuum Vessel R&D	1305	1247	1294	-58	0.96	-47	0.96	4th	Both Ronwedger and Major tool accrued more than earned. Rohwedder forecast to exceed contract cost.	Konwedder =+ \$45K	
									Field weld Joint Design behind 2 weeks.		Inspection Plans & Inspection report = + \$22k Weld Joint Procedure & Report =	
											+ \$5k	
Job 1203	VVSA Final Design	217	205	202	-12	0.94	3	1.01	VVSA Drawings and structural analysis of vessel behind but forecast to finish by end of April			Dahlgren labor loading in March and April plan at 130% level. Assigned to perform structural analysis
Job 1301	Conventional Coils Design	278	300	194	22	1.08	106	1.55				Kalish loading planned at 145% through the PDR now delayed to end of June.
Job: 1403	Modular Coil Design and analyses	393	262	706	-131	0.67	-444	0.37	Winding form drawings, thermal, electrical and structural analyses behind schedule.		While no revised estimate was provided this job is currently showing a \$444k cost variance!	Labor loading concerns through April
									Still forecast to support May FDR.	Significantly more labor being spent than planned.		Fan = 170%, Hargrove= 130% ,Lovett=130% Williamson =>>1
									Prototype drawings for chill plates clamps, lead hardware behind schedule. Must start fabrication	,		
									soon to support prototype winding in August			
		1007	1010				107					
Job 1404	Modular Coil Prototype	1087	1016	1143	-71	0.93	-127	0.89		Cost variance of 127k attributed to ORNL design of prototype during October and November as well as	EIO forecast to cost additional \$29k above plan	
										EIO's accruals vs earned value.	+ \$36k for 2 prototype inspections and evaluation reports (PPPL/ORNL labor)	
1						1						

NCSX	,											
Summary Cost Performance Analysis												
March 1st 2004												
Watch	151, 2004	BCWS	BCWP	ACWP	Sched	SPI	Cost	CPI	Schedule: Cost:	FTC [.]	Issues:	
		00110	<u> </u>	<u>/////////////////////////////////////</u>	Vari.		Vari.	011		<u></u>	1000001	
Job:1406	Modular coil in-	1290	1175	1163	-115	0.91	12	1.01	Twisted racetrack design of chill			
	house winding								plates/clamps, and test plan			
	Rad activities								Denind			
									Conductor Property testing FDR			
									slipped from mid April to mid May			
									Inch worm winding slipped to end			
									of March			
Job:1409	Coil Test	176	195	201	19	1.11	-6	0.97		Additional \$84k forecast for		
	Stand									N2 ejection		
										Cost has grown from \$161k in		
										December to \$262 current		
										budget to \$346 k current		
Job:1701	Cryostat &										Gettelfinger ability to support	
	Base support										preliminary design schedule to	
	structure										start in May. Geoff is regid	
											addition to his COE duties	
											which currently account for	
											25%.	
Jobs	Field Period	57	4	3	-53	0.07	1	1.33	Tooling design/mockup design not			
1803	Assy								started.			
laha 4 an	Fleetricel	400	150	454	10	0.00	4	0.00			Demo up in design planned to	
JODS:4XXX	Power	169	150	151	-19	0.89	-1	0.99			begin in March, Raki is	
	Systems										currently planned at the 120%	
											level. Needed to	
											identify 1-2 other engineers to	
											can be met.	
Other;												
Costing	Costing over the last 3 months December= \$1.0m, Jan = \$.96m and Feb=\$1.25m. To cost out our budget would req'd spending at the rate of \$1.4m/month											
for the r	emaimnder of	the FY	just to su	pport cu	urrent p	olan.						
C				atan da d	-+ 00 40)			lana in place to support this section (on add) \$240k/ms)			
Current 1)	Rotontial wo	reserve	account	stanus a	at əz. ic	om. Th od incl	ere are udo fal	e no p	ians in place to support this costing (an add 1 \$510k/ho)	reduction MC's		
, i)	Requires fabrication drawings to be issued											
	Tech labor falls off after June and this would be a good fit to keep dedicated technicians assigned to NCSX											
	Williamson and Chrzanowski should review current schedules and determine feasibility. Adjust current schedules to reflect acceleration of tasks.											
2)	Accelerate e	lectrical	design. I	Raki sho	uld be	direct	ed to i	dentif	y 2 engineers and designer reqmnts along with selecting	tasks that could be accomplis	shed.	



