Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Ac	C1	WP		MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	FEB09	MAR09	APR09	MAY09	JUN09
1.0.3 NUMI Upgrades																
	1.0.3.1 ANU NUMI Upgrades R&D															
		1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	4,305	1,076	0
		1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	12,957	3,534	0	0
		1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	4,628	5,785	6,363
		1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	2,627	28,895	26,268	5,254
		1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	13,712	0	0	0	0
		1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	27,807	0	0	0	0
		1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	11,842	0	0	0
		1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	22,584	12,703	0	0
		1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	8,896	0	0	0
		1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	17,850	35,701
		1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	323	7,795	6,779	6,101	0	0	0	0	0
		1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	16,387	18,025	17,206	0	0
		1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0	23,879	47,759
		1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	92,610	9,261	0	0
		1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	896	15,207	12,562	15,937	3,234	0	0	0	0	0	0
		1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	15,206	16,726	5,322	0	0
		1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	14,746	13,406	14,746
		1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	15,595	12,402	0	0	0	0	0
		1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	34,239	0	0	0	0
		1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	1,184	10,658	0
		1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	1,469	1,616	1,616	1,469	1,616
		1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,668	3,336
		1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	6,870	0	0	0	0
		1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	12,690	0	0	0	0
		1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	171	1,138	1,024	0	0	0	0	0

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NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Ac	C1	WP		JUL09	AUG09	SEP09	OCT09	NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10
1.0.3 NUMI Upgrades																
	1.0.3.1 ANU NUMI Upgrades R&D															
		1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	558	372	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	6,363	6,074	6,074	894	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	4,878	4,878	2,568	0	0	0	0	0	0	0
		1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	5,493	8,057	7,325	8,057	1,831
		1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	22,036
		1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	6,884	26,157	27,534	22,027	0	0	0	0
		1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	975	2,924	0	0	0	0	0	0
		1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	1,846	0	0	0	0
		1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	6,205	0	0	0	0	0	0	0
		1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	35,701	34,078	34,078	28,911	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	5,320	20,214	1,064	0	0	0	0	0	0	0
		1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	8,683	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.4 Design new chiller coils	BCWS	3,626	25,385	1,209	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	14,746	2,681	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	15,814	19,535	21,415	18,495	19,468	18,495	1,947	0	0	0	0	0
		1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	7,557	21,726	13,224	0	0	0
		1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	12,410	0	0	0	0	0
		1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	12,410	6,205
		1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	18,615
		1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	198	728	694
		1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	1,616	147	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	951	3,486	3,327
		1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	951	3,486	3,327
		1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	3,336	3,185	3,185	3,496	3,020	3,179	636	0	0	0	0	0	0
		1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	1,341	4,917	4,693
		1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	2,104	7,714	7,364
		1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Ac	C1	WP		AUG10	SEP10	OCT10	NOV10	DEC10	JAN11	FEB11	AUG11	SEP11	Cumulative
1.0.3 NUMI Upgrades													
	1.0.3.1 ANU NUMI Upgrades R&D												
		1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	13,755	0	13,755
		1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	5,381
		1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	930
		1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	16,490
		1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	36,180
		1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	12,325
		1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	30,763
		1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	8,264	0	0	0	0	0	0	0	0	30,300
		1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	63,044
		1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	82,602
		1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	13,712
		1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	3,899
		1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	1,846
		1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	27,807
		1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	32,508	0	0	0	0	0	32,508
		1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	6,205
		1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	19,508	0	0	0	0	0	0	19,508
		1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	11,842
		1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	35,287
		1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	8,896
		1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	186,318
		1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	26,598
		1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	20,998
		1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	51,618
		1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	80,322
		1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	101,871
		1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	5,659	0	0	5,659
		1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	47,836
		1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	37,254
		1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	30,220
		1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	60,326
		1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	115,168
		1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	42,507
		1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	27,997
		1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	34,239
		1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	11,842
		1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	12,410
		1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	18,615
		1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	18,615
		1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	728	694	738	703	703	281	0	0	0	5,468
		1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	9,548
		1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	3,486	3,327	3,487	1,494	0	0	0	0	0	19,557
		1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	3,486	3,327	3,487	1,494	0	0	0	0	0	19,557
		1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	25,041
		1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	4,917	4,693	4,919	2,108	0	0	0	0	0	27,588
		1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	6,870
		1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	12,690
		1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	7,714	7,364	7,717	3,307	0	0	0	0	0	43,283
		1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	2,333

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
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Control Ac	CT	WP		MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	FEB09	MAR09	APR09	MAY09	JUN09
		1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	858	943	943	858	943
		1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	400	2,668	2,402	0	0	0	0	0
		1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	1,997	2,196	2,196	1,997	2,196
		1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	400	2,668	2,402	0	0	0	0	0
		1.0.3.4.2.3.2 Design NuMI Sump Cooling Water System Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	1,997	2,196	2,196	1,997	2,196
		1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	400	2,668	2,402	0	0	0	0	0
		1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	1,997	2,196	2,196	1,997	2,196
		1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	5,921	0	0	0
		1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	896	15,207	12,886	25,104	34,751	26,731	135,227	201,336	110,932	108,907	122,307
	1.0.3.2 ANU NUMI Upgrades Op															
		1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	7,447	7,108	7,108	7,785	6,431	8,159	7,095	6,385	0	0	0	0	0
		1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	103,622	10,362	0	0	0
		1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	7,447	7,108	7,108	7,785	6,431	8,159	7,095	6,385	103,622	10,362	0	0	0
Control Acct[10] Totals:			BCWS	7,447	7,108	8,004	22,992	19,317	33,263	41,845	33,117	238,849	211,698	110,932	108,907	122,307
Grand Totals:																
			BCWS	7,447	7,108	8,004	22,992	19,317	33,263	41,845	33,117	238,849	211,698	110,932	108,907	122,307

Program:	Description:
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Control Ac	CT	WP		JUL09	AUG09	SEP09	OCT09	NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10
		1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	631	2,313	2,208
		1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	943	901	901	989	854	899	854	899	1,034	989	180	0	0
		1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	638	2,341	2,234
		1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	2,196	2,096	2,096	2,302	1,988	2,092	1,988	2,092	2,406	2,302	418	0	0
		1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.3.2 Design NuMI Sump Cooling Water System Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	1,407	5,157	4,923
		1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	2,196	2,096	2,096	2,302	1,988	2,092	1,988	2,092	2,406	2,302	418	0	0
		1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	638	2,341	2,234
		1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	2,196	2,096	2,096	2,302	1,988	2,092	1,988	2,092	2,406	2,302	418	0	0
		1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	12,410	0	0
		1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	82,162	94,925	71,270	72,807	53,424	47,517	55,029	56,624	59,345	29,175	30,029	52,949	79,693
	1.0.3.2 ANU NUMI Upgrades Op															
		1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
Control Acct[10] Totals:			BCWS	82,162	94,925	71,270	72,807	53,424	47,517	55,029	56,624	59,345	29,175	30,029	52,949	79,693
Grand Totals:																
			BCWS	82,162	94,925	71,270	72,807	53,424	47,517	55,029	56,624	59,345	29,175	30,029	52,949	79,693

Program:	Description:
NOVA	NOvA Project
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Control Ac	CT	WP		AUG10	SEP10	OCT10	NOV10	DEC10	JAN11	FEB11	AUG11	SEP11	Cumulative
		1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	2,313	2,208	661	0	0	0	0	0	0	10,335
		1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	13,987
		1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	5,470
		1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	2,341	2,234	669	0	0	0	0	0	0	10,457
		1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	32,559
		1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	5,470
		1.0.3.4.2.3.2 Design NuMI Sump Cooling Water System Upgrade	BCWS	5,157	4,923	1,474	0	0	0	0	0	0	23,041
		1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	32,559
		1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	5,470
		1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	2,341	2,234	669	0	0	0	0	0	0	10,457
		1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	32,559
		1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	4,567	0	0	4,567
		1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	4,567	0	0	4,567
		1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	5,921
		1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	12,410
		1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	33,593	12,216	0	0	45,808
	CTC[21] Totals:		BCWS	40,746	31,006	43,328	41,615	703	33,874	27,009	13,755	0	1,811,269
	1.0.3.2 ANU NUMI Upgrades Op												
		1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	50,390	0	50,390
		1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	2,751	0	2,751
		1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0
		1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	2,751	0	2,751
		1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	2,751	0	2,751
		1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	24,004	24,004	48,009
		1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	57,517
		1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	113,984
		1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	28,863	0	28,863
		1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	0	0	0	0	0	111,510	24,004	307,016
Control Acct[10] Totals:			BCWS	40,746	31,006	43,328	41,615	703	33,874	27,009	125,265	24,004	2,118,285
Grand Totals:													
			BCWS	40,746	31,006	43,328	41,615	703	33,874	27,009	125,265	24,004	2,118,285