Muon Campus AIP

Change Request Form

CR#:Cryo008		
1) DATE: 10/15/14	**2)WBS: Cryo1.02**	**3) Originator: Ken Domann** KAD

4) WBS Description of Primary Affected Tasks: General Project OS

5) Technical Description & Primary Motivation for Change: This Change Request for the Cryo AIP consists of revising M&S for the Cryo FY15 Management task from $34,000 to $22,000 based on reduced needs for Project Controls support. In addition, the hours for this management task were reduced as well. See attachments for details.

6) Assessment of Cost Impact (Use attachments if needed): See Attachments for changes.

7) Assessment of Schedule Impact (Use attachments if needed): N/A

8) Secondary Impact & Other Comments: N/A

9) Approvals:

AIP Project Manager:		**Date:** 11/4/14
AIP Project Coordinator:		**Date:** 11/5/14
AD Div Director:		**Date:**
Directorate:		**Date:**

Cryo CR008 Hours Delta

11/4/2014

UID	WBS	CTC	Name/Resource	Current Hours	Replan Hours	Delta	Comments
1	**Cryo1**		**Muon Campus Cryogenics - AIP**	**33259**	**32685**	**(574)**	
829	**Cryo1.02**		**Cryo Project Management**	**2625**	**2051**	**(574)**	
2761	**Cryo1.02.01**		**General Project OS**	**2625**	**2051**	**(574)**	
2756	Cryo1.02.01.03	A1301.02.01.03	Cryo AIP General Project OS - FY15	598	24	(574)	
			FNAD_CRYO_SR	248	24	(224)	
			FNAD_CRYO_EN	350	0	(350)	

Cryo CR008 Material Delta

UID	WBS	Name	Start	Finish	Original M&S	New M&S	Delta
1	**Cryo1**	**Muon Campus Cryogenics - AIP**	**8/26/13**	**1/29/16**	**$2,587,143**	**$2,575,143**	**($12,000)**
829	**Cryo1.02**	**Cryo Project Management**	**8/26/13**	**1/29/16**	**$132,000**	**$120,000**	**($12,000)**
2761	**Cryo1.02.01**	**General Project OS**	**8/26/13**	**1/29/16**	**$132,000**	**$120,000**	**($12,000)**
2756	Cryo1.02.01.03	Cryo AIP General Project OS - FY15	9/23/14	9/21/15	$34,000	$22,000	($12,000)

Cryo Pre CR008 CAP

CTC		FY12	FY13	FY14	FY15	FY16	FY17	Cumulative
A1301.02.01.01 Cryo AIP General Project Oversight - FY13								
	Scheduled	0.00	51,346.42	0.00	0.00	0.00	0.00	51,346.42
A1301.02.01.02 Cryo AIP General Project Oversight - FY14								
	Scheduled	0.00	3,594.05	129,557.05	0.00	0.00	0.00	133,151.10
A1301.02.01.03 Cryo AIP General Project Oversight - FY15								
	Scheduled	0.00	0.00	3,270.33	136,811.93	0.00	0.00	140,082.26
A1301.02.01.04 Cryo AIP General Project Oversight - FY16								
	Scheduled	0.00	0.00	0.00	3,351.06	140,861.21	0.00	144,212.27
A1301.02.01.05 Cryo AIP General Project Oversight - FY17								
	Scheduled	0.00	0.00	0.00	0.00	4,070.16	126,152.68	130,222.84
A1301.03 Cryo Basic Engineering								
	Scheduled	0.00	33,093.96	236,082.70	79,899.92	82,464.36	54,940.26	486,481.21
A1301.04.01 LN2 system								
	Scheduled	0.00	4,514.95	409,013.92	0.00	0.00	0.00	413,528.87
A1301.04.02 Gas management system								
	Scheduled	0.00	57,841.53	178,224.26	0.00	0.00	0.00	236,065.78
A1301.04.03 ODH system								
	Scheduled	0.00	0.00	49,757.63	0.00	0.00	0.00	49,757.63
A1301.04.04 Cryo Refrigerator system								
	Scheduled	0.00	149,077.19	1,134,055.74	162,257.82	324,392.33	0.00	1,769,783.08
A1301.04.05 Cryo Compressor System								
	Scheduled	0.00	59,453.27	367,138.94	0.00	0.00	0.00	426,592.21
A1301.04.06 Cryo Interconnect Piping								
	Scheduled	0.00	225,594.62	512,339.28	0.00	0.00	0.00	737,933.91
A1301.04.07 Cryo Interconnect Electrical & Controls								
	Scheduled	0.00	46,627.36	119,526.30	0.00	0.00	0.00	166,153.66
A1301.05.01 Mu2e Interface Connection								
	Scheduled	0.00	0.00	70,813.93	219,430.82	1,052,644.73	350,640.69	1,693,530.17
A1301.05.02 g-2 interface connection								
	Scheduled	0.00	27,198.92	0.00	0.00	0.00	0.00	27,198.92
A1301.06 Cryo Safety Documents								
	Scheduled	0.00	0.00	155,311.42	0.00	0.00	0.00	155,311.42
A1301.07 Testing/Checkout								
	Scheduled	0.00	0.00	0.00	73,625.45	0.00	77,957.59	151,583.04
A1301.08 Cryo g-2 Acceptance Tests								
	Scheduled	0.00	0.00	11,968.50	110,322.21	0.00	0.00	122,290.71
A1301.09 Cryo Mu2e Acceptance Tests								
	Scheduled	0.00	0.00	0.00	0.00	0.00	106,765.15	106,765.15
Grand Total								
	Scheduled	0.00	658,342.28	3,377,060.00	785,699.22	1,604,432.78	716,456.37	7,141,990.66

Cryo Post CR008 CAP

Control Account		FY12	FY13	FY14	FY15	FY16	FY17	Cumulative
A1301.02.01.01 Cryo AIP General Project OS - FY13								
	Scheduled	0.00	51,346.42	0.00	0.00	0.00	0.00	51,346.42
A1301.02.01.02 Cryo AIP General Project OS - FY14								
	Scheduled	0.00	3,594.05	129,557.05	0.00	0.00	0.00	133,151.10
A1301.02.01.03 Cryo AIP General Project OS - FY15								
	Scheduled	0.00	0.00	2,134.07	30,362.18	0.00	0.00	32,496.25
A1301.02.01.04 Cryo AIP General Project OS - FY16								
	Scheduled	0.00	0.00	0.00	3,351.06	140,861.21	0.00	144,212.27
A1301.02.01.05 Cryo AIP General Project OS - FY17								
	Scheduled	0.00	0.00	0.00	0.00	4,070.16	126,152.68	130,222.84
A1301.03 Cryo Basic Engineering								
	Scheduled	0.00	33,093.96	236,082.70	79,899.92	82,464.36	54,940.26	486,481.21
A1301.04.01 Cryo LN2 system								
	Scheduled	0.00	4,514.95	409,013.92	0.00	0.00	0.00	413,528.87
A1301.04.02 Cryo Gas management system								
	Scheduled	0.00	57,841.53	178,224.26	0.00	0.00	0.00	236,065.78
A1301.04.03 Cryo ODH system								
	Scheduled	0.00	0.00	49,757.63	0.00	0.00	0.00	49,757.63
A1301.04.04 Cryo Refrigerator System								
	Scheduled	0.00	149,077.19	1,134,055.74	162,257.82	324,392.33	0.00	1,769,783.08
A1301.04.05 Cryo Compressor System								
	Scheduled	0.00	59,453.27	367,138.94	0.00	0.00	0.00	426,592.21
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	Scheduled	0.00	0.00	70,813.93	219,430.82	1,052,644.73	350,640.69	1,693,530.17
A1301.05.02 g-2 Interface Connection								
	Scheduled	0.00	27,198.92	0.00	0.00	0.00	0.00	27,198.92
A1301.06 Cryo Safety Documents								
	Scheduled	0.00	0.00	155,311.42	0.00	0.00	0.00	155,311.42
A1301.07 g-2 Cryo Checkout								
	Scheduled	0.00	0.00	0.00	73,625.45	0.00	77,957.59	151,583.04
A1301.08 Cryo g-2 Acceptance Tests								
	Scheduled	0.00	0.00	11,968.50	110,322.21	0.00	0.00	122,290.71
A1301.09 Cryo Mu2e Acceptance Tests								
	Scheduled	0.00	0.00	0.00	0.00	0.00	106,765.15	106,765.15
Grand Total								
	Scheduled	0.00	658,342.28	3,375,923.74	679,249.47	1,604,432.78	716,456.37	7,034,404.65