MFC Radiochemistry Laboratory GPP
(C.R.20.20.11/C.R.30.20.11)

APRIL 2009

Project Scope

The Radiochemistry Laboratory will house laboratory equipment and personnel for basic and applied research in aqueous separations, fuel development and associated activities. The lab spaces include actinide labs, glove box lab, instrument technologies lab, chemical and source storage, counting lab, and mechanical, electrical, and communication system support areas.

Type of Project: General Plant Project (GPP) **Scheduled Start Date:** April 2008 **Scheduled Completion Date:** April 2009

TEC = $4,985K (including identified MR of $91K)

OPC = $ 843K (including identified MR of $172K) (OPC = $782K with C.R.20.20.11)

TPC = $5,828K (TPC = $5,767K with C.R.20.20.11)

Project to Date									Project At Completion			
Budgeted Cost			Variance									
BCWS	BCWP	ACWP	Schedule	%	Cost	%	SPI	CPI	BAC	EAC Proposed	EAC Approved	VAC
5,134,033	4,138,458	4,688,129	-995,575	-19.39	-549,671	-13.28	0.81	0.88	5,186,786	5,739,303		-552,517

Project to Date:

Schedule Variance (SV): -$995,575 **SV%:** -19.39%

Cause: The schedule variance is due to many factors detailed in previous reports: inadequate work force, resulting in late excavation and concrete wall placement during favorable summer weather conditions, resulting in late masonry walls placement, winter weather, insufficient coordination of the design and construction resources, late "weathering-in" causing critical path electrical delays. Recent improvement in construction progress due to aggressive jobsite coordination of the workforce has resulted in a positive trend toward recovering schedule. The trend for improvement has continued; however, fume hood installation, planned for early April, was delayed until May due to late delivery. Also, utility tie-ins in MFC-752 did not finish in April as planned. As a result, other subsequent critical path activities did not start as planned in April, and construction is expected to finish in May.

Impact: The project will continue to be behind schedule.

Corrective Action: The general subcontractor completed the critical path roof work, thus enabling the subtier mechanical and electrical subcontractors to work on the main floor concurrently to regain schedule. The subcontractor has replaced one field superintendent and provided additional administrative resources to mitigate delays; the new field superintendent has been able to achieve progress despite severe weather and a positive trend has been evident. The late fume hood delivery was the responsibility of the mechanical sub-tier. The effect of the delay is seen in the negative trend of the schedule variance from -12.87% to -19.39%. The project team will continue to focus on completing critical path work as quickly as possible.

Cost Variance (CV): -$549,671 **CV%:** -13.28%

Cause: The primary contributor to the cost variance is ($374K) caused by an increase in non-dedicated support for MFC-752 utility tie-ins in the form of safety engineering, radcon tech, and nuclear facility escorts to facilitate tie-ins of utilities in MFC-752. Due to the nature of a design-build contract, the project was unable to anticipate utility tie-in designs and associated non-dedicated support.

An additional contributor is the CM ($90K) costs which are increasing as a result of the slip in schedule.

Meanwhile EJ/USQ design evaluation activities have increased far beyond planned levels. The EJ/USQ process engages engineers and Analytical Laboratory facility personnel who review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no adverse impact or loads are imposed on MFC-752. The effort to prepare and review those detailed packages is far more extensive than planned.

Impact: The project-to-date cost variance has become increasingly negative from (-) 12.87% in March to (-) 13.28% in April.

Corrective Action: An FCN was developed in April to request identification of additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. Capital costs will be monitored closely to ensure the $5M capital limit is not exceeded. Elective scope will continue to be reduced as necessary to minimize the capital expenditure.

Baseline Change Control Actions:

None.

Accomplishments:

Completed elevator installation.

Completed electrical distribution rough-in.

Installed approximately 85% utility piping.

Initiated ceiling installation.

Completed 90% electrical lighting rough-in.

Completed 40% metal roofing installation.

Initiated stack installation.

Completed 90% drywall installation and taping.

Completed 40% of cabinet installation.

Completed 85% of fume hood ductwork installation.

Completed 80% of main floor HVAC ductwork.

90-Day Look Ahead:

May:

- Complete metal roofing installation.
- Complete fire suppression trim.
- Complete mechanical, plumbing, and electrical trim.

- Complete voice, evacuation announcement and paging system.
- Complete exterior painting.
- Complete data and phone network installation.
- Complete security and access control.

June:

- Complete testing for acceptance and turnover.
- Complete test and balance.
- Partial transfer.
- Complete punchlist items.
- Final transfer.

July:

- Project closeout.

Issues:

Cause 1: The Radiochemistry Laboratory project requires utility tie-ins in MFC-752 and it requires limited structural interfaces with the MFC-752 structure. The subcontract requirements stipulate that no significant loads can be placed on MFC-752. The BEA engineers and Analytical Laboratory facility personnel are engaged to review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no significant loads are imposed. The effort to prepare and review those detailed packages is far more extensive than planned.

Impact 1: Operating costs are higher than planned, resulting in a cost overrun.

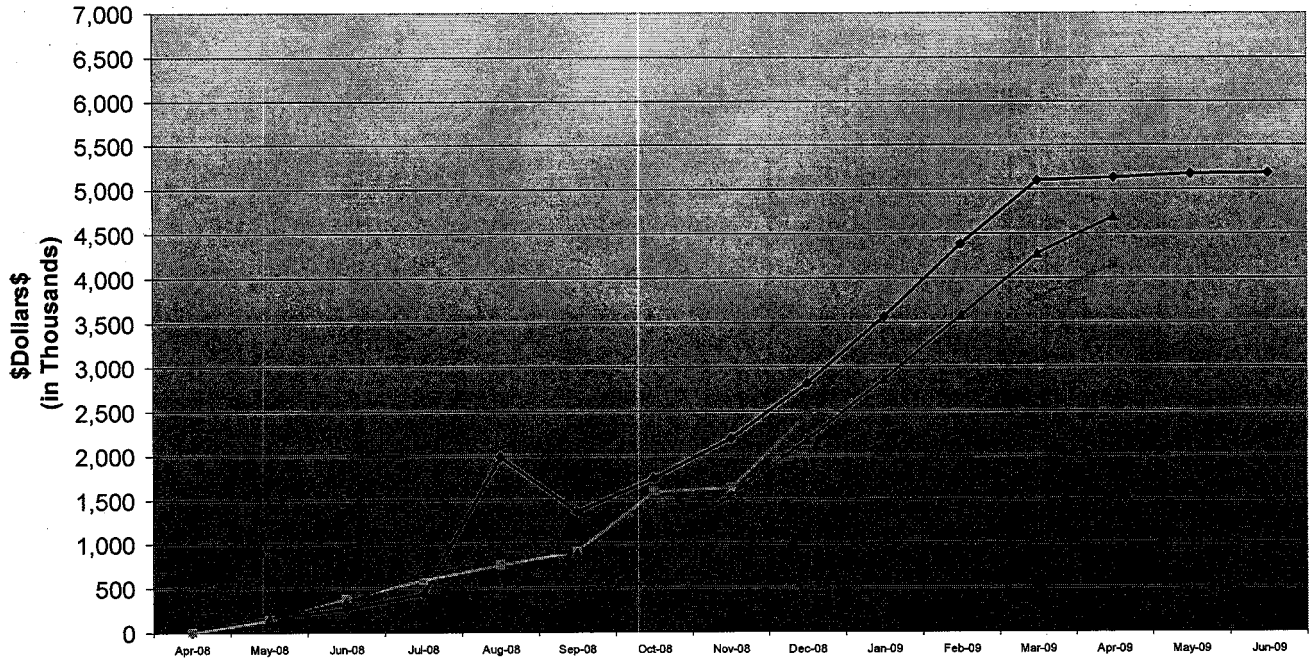
Corrective Action 1: The project issued a Funds Change Notice (FCN-09-010) in March to provide sufficient funding for the more extensive effort required to prepare the detailed packages. This action resolves this issue.

Cause 2: The Radiochemistry Laboratory project construction subcontractor did not complete utility tie-ins in April. Subsequent, critical path work is delayed thus requiring additional construction work in May. Utility tie-in work in MFC-752 is expected to complete in May. Consequently, additional project support, escorts and radcon techs, safety and quality oversight, are expected to be required through May.

Impact 2: Operating costs are higher than planned, resulting in a cost overrun.

Corrective Action 2: A Funds Change Notice (FCN-09-011) was issued in April to request additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. This action resolves this issue.

April 2009
C.R.30.20.11 MFC Radiochemistry Laboratory
Lifecycle



	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09
BCWS	0	155	270	432	1,979	1,362	1,742	2,192	2,814	3,583	4,380	5,102	5,134	5,175	5,187
BCWP	0	138	380	592	757	912	1,592	1,635	2,462	2,753	3,186	3,783	4,138		
ACWP	245	150	348	671	891	900	1,448	1,554	2,173	2,857	3,575	4,270	4,688		

MFC Radiochemistry Laboratory GPP (C.R.20.20.11/C.R.30.20.11)

MAY 2009

Project Scope

The Radiochemistry Laboratory will house laboratory equipment and personnel for basic and applied research in aqueous separations, fuel development and associated activities. The lab spaces include actinide labs, glove box lab, instrument technologies lab, chemical and source storage, counting lab, and mechanical, electrical, and communication system support areas.

Type of Project: General Plant Project (GPP) **Scheduled Start Date:** April 2008 **Scheduled Completion Date:** April 2009

TEC = $4,985K (including identified MR of $91K)

OPC = $ 843K (including identified MR of $172K) (OPC = $782K with C.R.20.20.11)

TPC = $5,828K (TPC = $6,610K with C.R.20.20.11)

Project to Date									Project At Completion			
Budgeted Cost			Variance									
BCWS	BCWP	ACWP	Schedule	%	Cost	%	SPI	CPI	BAC	EAC Proposed	EAC Approved	VAC
5,174,939	4,860,754	5,434,749	-314,185	-6.07	-573,995	-11.81	0.94	0.89	5,186,786	5,847,819		-661,033

Project to Date:

Schedule Variance (SV): -$314,185 **SV%:** -6.07%

Cause: The variance is within the reporting threshold.

Impact: None.

Corrective Action: None.

Cost Variance (CV): -$573,995 **CV%:** -11.81%

Cause: The primary contributor to the cost variance is ($374K) caused by an increase in non-dedicated support for MFC-752 utility tie-ins in the form of safety engineering, radcon tech, and nuclear facility escorts to facilitate tie-ins of utilities in MFC-752. Due to the nature of a design-build contract, the project was unable to anticipate utility tie-in designs and associated non-dedicated support.

An additional contributor is the CM ($135K) costs which are increasing as a result of the slip in schedule.

A final contributor has been EJ/USQ design evaluation activities that far exceeded planned levels. The EJ/USQ process engages engineers and Analytical Laboratory facility personnel who review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no adverse impact or loads are imposed on MFC-752. The effort to prepare and review those detailed packages is far more extensive than planned.

Impact: The project will complete overspent.

Corrective Action: An FCN was developed in April and approved in May to identify additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. Capital costs are monitored closely to ensure the $5M capital limit is not exceeded.

Baseline Change Control Actions:

- None.

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Accomplishments:

- Completed electrical distribution trim.
- Installed approximately 90% utility piping.
- Completed 80% ceiling installation.
- Completed electrical lighting rough-in.
- Completed metal roofing installation.
- Completed stack installation.
- Completed drywall installation and taping.
- Completed cabinet installation.
- Completed fume hood ductwork installation.
- Completed main floor HVAC ductwork.
- Completed voice, evacuation announcement and paging system.
- Completed exterior painting.
- Completed data and phone network installation.
- Initiated security and access control installation.
- Initiated testing for acceptance and turnover.

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90-Day Look Ahead:

June:

- Complete steam and steam condensate piping tie-ins.
- Complete testing for acceptance and turnover.
- Complete test and balance.

July:

- Partial transfer.
- Complete punchlist items.
- Final transfer.
- Project closeout.

August:

- Complete project closeout.

Issues:

Cause1: The Radiochemistry Laboratory project requires utility tie-ins in MFC-752 and it requires limited structural interfaces with the MFC-752 structure. The subcontract requirements stipulate that no significant loads can be placed on MFC-752. The BEA engineers and Analytical Laboratory facility personnel are engaged to review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no significant loads are imposed. The effort to prepare and review those detailed packages is far more extensive than planned.

Impact 1: Operating costs are higher than planned, resulting in a cost overrun.

Corrective Action 1: The project issued a Funds Change Notice (FCN-09-010) in March to provide sufficient funding for the more extensive effort required to prepare the detailed packages. This action resolves this issue.

Cause2: The Radiochemistry Laboratory project construction subcontractor did not complete utility tie-ins in April. Subsequent, critical path work is delayed thus requiring additional construction work in May. Utility tie-in work in MFC-752 is expected to complete in May. Consequently, additional project support, escorts and radcon techs, safety and quality oversight, are expected to be required through May.

Impact 2: Operating costs are higher than planned, resulting in a cost overrun.

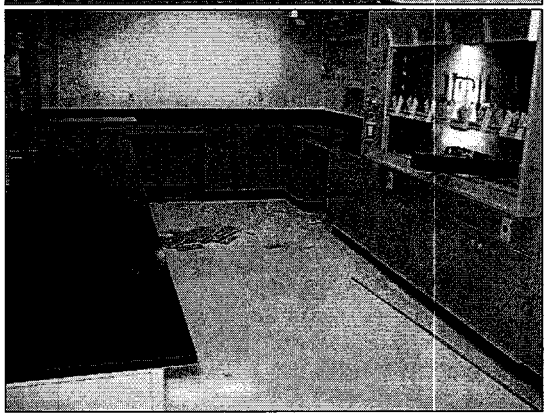
Corrective Action 2: A Funds Change Notice (FCN-09-011) was issued in April to request additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. This action resolves this issue.

Cause3: The Radiochemistry Laboratory project construction subcontractor did not complete utility tie-ins in May. Final utility tie-ins for steam and steam condensate lines have not been completed due to a Non-Conformance Report (internal to the Subcontractor) over welding inspection questions. As a result, other subsequent critical path activities have not finished as planned in May. All construction is expected to finish in June.

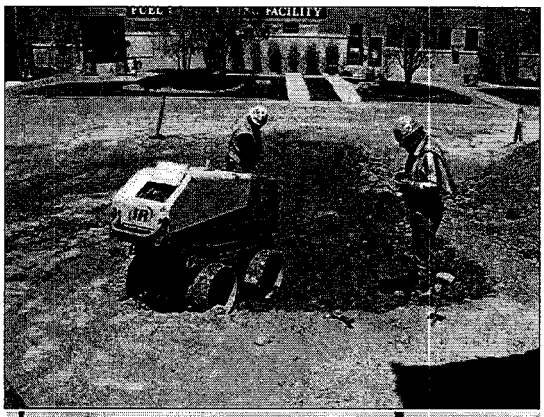
Consequently, additional project support, escorts and radcon techs, safety and quality oversight, are expected to be required through June. Further, final tie-ins require outage coordination by non-dedicated facility personnel.

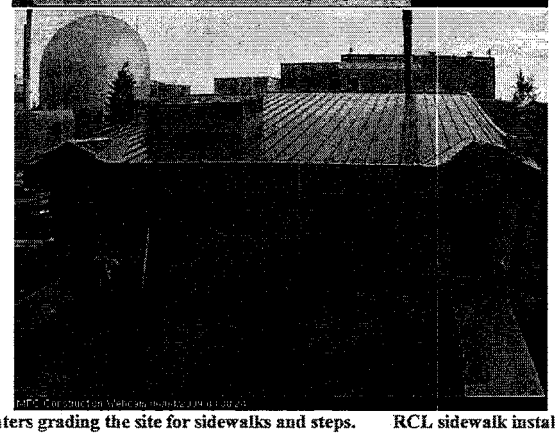
Impact 3: Operating costs are higher than planned, resulting in a cost overrun.

Corrective Action 3: A Funds Change Notice will be issued in June to request additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of June. This action will resolve this issue.



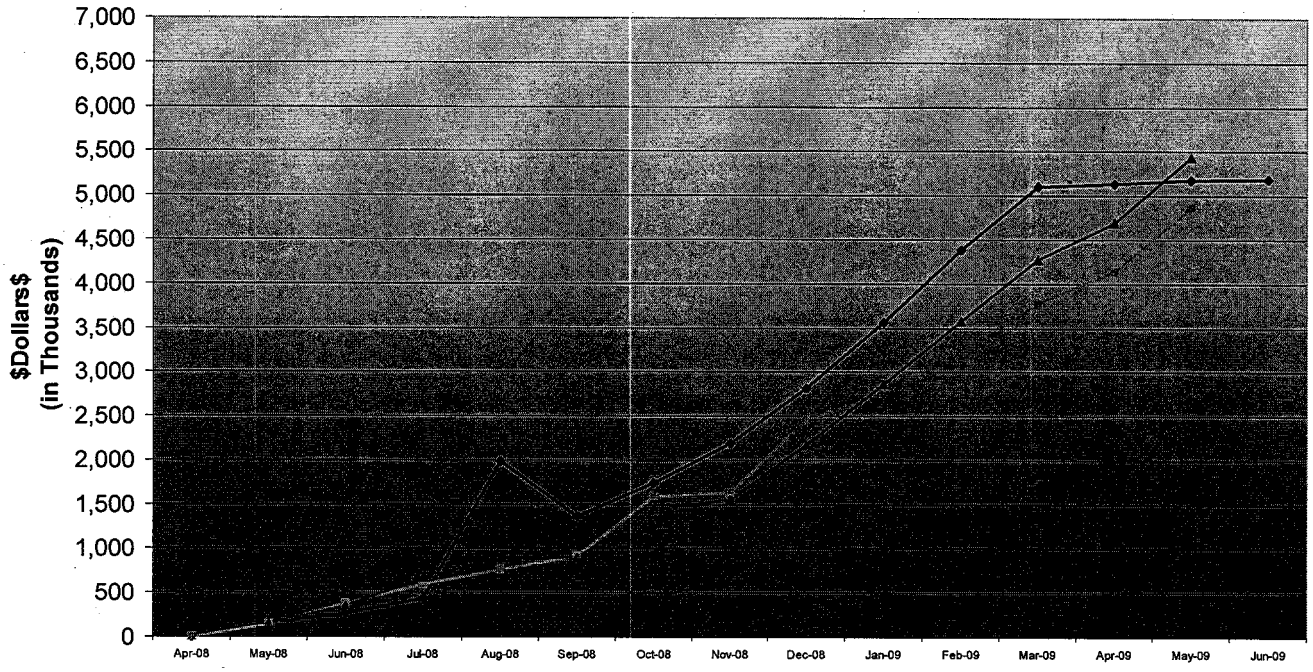
RCL blow-off stack installed **Cove molding installed in the RCL basement labs.**





Carpenters grading the site for sidewalks and steps. **RCL sidewalk installation.**

May 2009
C.R.30.20.11 MFC Radiochemistry Laboratory
Lifecycle



	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09
BCWS	0	155	270	432	1,979	1,362	1,742	2,192	2,814	3,563	4,380	5,102	5,134	5,175	5,187
BCWP	0	138	380	592	757	912	1,592	1,636	2,452	2,753	3,188	3,783	4,138	4,851	
ACWP	245	150	348	671	891	900	1,448	1,554	2,173	2,857	3,575	4,270	4,588	5,435	

WBS: C.R.20.20.11/C.R.30.20.11 **Title:** MFC Radiochemistry Laboratory GPP

WBS Manager: Bob Waters

Type of Project: General Plant Project (GPP)

Scheduled Start Date: April 2008 **Scheduled Completion Date:** April 2009

JUNE 2009

TEC = $4,985K (including identified MR of $91K)

OPC = $ 465K (including identified MR of $172K) (OPC = $782K with C.R.20.20.11)

TPC = $5,450K (TPC = $5,767K with C.R.20.20.11)

BCWS	BCWP	ACWP	SV	SV%	CV	CV%	SPI	CPI	BAC	EAC	VAC
5,186,786	5,086,605	5,681,462	-100,182	-1.93	-594,857	-11.69	0.98	0.90	5,186,786	5,359,949	-173,163

Scope:

The Radiochemistry Laboratory will house laboratory equipment and personnel for basic and applied research in aqueous separations, fuel development and associated activities. The lab spaces include actinide labs, glove box lab, instrument technologies lab, chemical and source storage, counting lab, and mechanical, electrical, and communication system support areas.

Accomplishments:

Completed electrical construction

Installed approximately 95% utility piping

Completed 90% ceiling installation

Completed drywall installation and taping

Completed cabinet installation

Completed fume hood exhaust ductwork installation

Completed HVAC ductwork

Completed voice, evacuation announcement and paging system

Completed interior painting

Completed data and phone network installation

Completed security and access control installation

Initiated testing for acceptance and turnover.

Issue 1:

Cause: The Radiochemistry Laboratory project requires utility tie-ins in MFC-752 and it requires limited structural interfaces with the MFC-752 structure. The subcontract requirements stipulate that no significant loads can be placed on MFC-752. The BEA engineers and Analytical Laboratory facility personnel are engaged to review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no significant loads are imposed. The effort to prepare and review those detailed packages is far more extensive than planned.
Impact: Operating costs are higher than planned, resulting in a cost overrun.
Corrective Action: The project issued a Funds Change Notice (FCN-09-010) in March to provide sufficient funding for the more extensive effort required to prepare the detailed packages. This action resolves this issue.

Issue 2:

Cause: The Radiochemistry Laboratory project construction subcontractor did not complete utility tie-ins in April. Subsequent, critical path work is delayed thus requiring additional construction work in May. Utility tie-in work in MFC-752 is expected to complete in May. Consequently, additional project support, escorts and radcon techs, safety and quality oversight, are expected to be required through May.
Impact: Operating costs are higher than planned, resulting in a cost overrun.

Corrective Action: A Funds Change Notice (FCN-09-011) was issued in April to request additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. This action resolves this issue.

Issue 3:

Cause: The Radiochemistry Laboratory project construction subcontractor did not complete utility tie-ins as scheduled in May. Final utility tie-ins for steam and steam condensate lines were not completed due to a Non-Conformance Report (internal to the Subcontractor) over welding inspection questions. As a result, other subsequent critical path activities were not finished as planned in May.
Impact: Operating costs are higher than planned, resulting in a cost overrun.
Corrective Action: A Funds Change Notice (FCN-09-013) was issued in June to request additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of June. The FCN also requested management reserve in case utility tie-ins were not completed in June. This action resolves this issue.

Schedule Variance (SV): -$100,182 **SV%:** -1.93%

Cause: The variance is within the established reporting threshold.
Impact: None.
Corrective Action: None.

Cost Variance (CV): -$594,857 **CV%:** -11.69%

Cause: A major contributor to the cost variance is ($150K) caused by an increase in non-dedicated support for MFC-752 utility tie-ins in the form of safety engineering, radcon tech, and nuclear facility escorts to facilitate tie-ins of utilities in MFC-752. Due to the nature of a design-build contract, the project was unable to anticipate utility tie-in designs and associated non-dedicated support.
Impact: The project-to-date negative cost variance has decreased slightly from -11.81% in May to -11.69% in June.
Corrective Action: An FCN was developed in April and approved in May to identiFY additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. A followup FCN was developed, submitted and approved in June to provide additional operating funds for project support through June with MR to allow for continued support as needed in July. Capital costs will be monitored closely to ensure the $5M capital limit is not exceeded. Elective scope will continue to be reduced as necessary to minimize the capital expenditure.

Baseline Change Control Actions:

None.

Milestone Status:

None.

Projected Carryover: $0

None.

EAC: $0

None.

90-Day Look-Ahead

July:

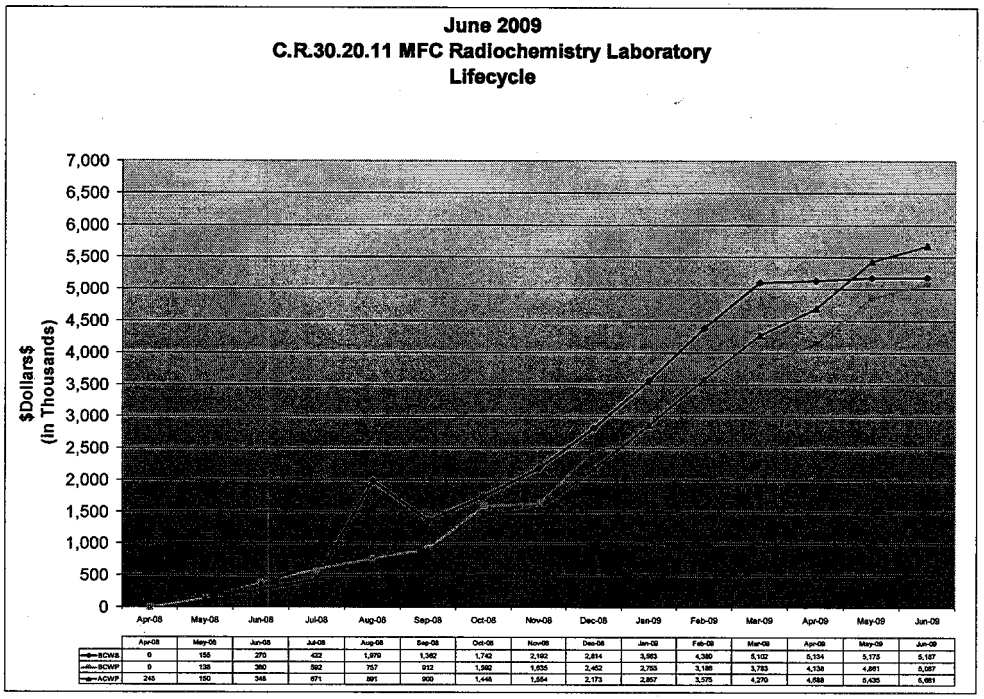
- Complete steam and steam condensate piping tie-ins
- Complete testing for acceptance and turnover
- Complete test and balance
- Partial transfer
- Complete punchlist items.

August:

- Final transfer
- Initiate project closeout.

September:

- Project closeout.



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BCWS	0	155	270	432	1,079	1,362	1,742	2,192	2,814	3,963	4,380	5,102	5,134	5,175	5,187
BCWP	0	138	360	592	757	912	1,592	1,835	2,452	2,765	3,186	3,763	4,138	4,861	5,087
ACWP	245	150	348	671	891	900	1,446	1,554	2,173	2,857	3,575	4,270	4,588	5,435	5,681

WBS / Title: C.R.20.20.11/C.R.30.20.11 — MFC Radiochemistry Laboratory GPP – JULY 2009

WBS Manager: Bob Waters

Type of Project: General Plant Project (GPP)

Scheduled Start Date: April 2008 **Scheduled Completion Date:** April 2009

TEC = $4,985K

OPC = $ 921K (OPC = $1,238 with C.R.20.20.11)

TPC = $5,906K (TPC = $6,223K with C.R.20.20.11)

BCWS	BCWP	ACWP	SV	SV%	CV	CV%	SPI	CPI	BAC	EAC	VAC
5,186,786	5,110,897	5,757,275	-75,889	-1.46	-646,378	-12.65	0.99	0.89	5,186,786	5,380,161	-193,375

Scope:

The Radiochemistry Laboratory will house laboratory equipment and personnel for basic and applied research in aqueous separations, fuel development and associated activities. The lab spaces include actinide labs, glove box lab, instrument technologies lab, chemical and source storage, counting lab, and mechanical, electrical, and communication system support areas.

Accomplishments:

- Completed utility piping
- Completed ceiling installation
- Completed touch-up painting
- Completed testing for acceptance and turnover
- Initiated partial transfers
- Completed 50% of punch-list items.

Issues:

Cause: None.
Impact: None.
Corrective Action: None.

Schedule Variance (SV): -$75,889 **SV%:** -1.46%

Cause: The variance is within the established reporting threshold.
Impact: None.
Corrective Action: None.

Cost Variance (CV): -$646,378 **CV%:** -12.65%

Cause: A major contributor to the cost variance is ($150K) caused by an increase in non-dedicated support for MFC-752 utility tie-ins in the form of safety engineering, radcon tech, and nuclear facility escorts to facilitate tie-ins of utilities in MFC-752. Due to the nature of a design-build contract, the project was unable to anticipate utility tie-in designs and associated non-dedicated support.

Another major contributor ($225 K) has been EJ/USQ design evaluation activities that far exceeded planned levels. The EJ/USQ process engages engineers and Analytical Laboratory facility personnel who review and evaluate detailed packages as Engineering Job modifications to

MFC-752, to ensure no adverse impact or loads are imposed on MFC-752. The effort to prepare and review those detailed packages is far more extensive than planned.

Recent additional activity to support final utility work and completion of punch-list items in MFC-752 has resulted in a higher cost variance..
Impact: The project-to-date negative cost variance has increased slightly from (-) 11.69% in June to (-) 12.65% in July.
Corrective Action: An FCN was developed in April and approved in May to identify additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. A followup FCN was developed, submitted and approved in June to provide additional operating funds for project support through June with MR to allow for continued support as needed in July. Capital costs will be monitored closely to ensure the $5M capital limit is not exceeded. Elective scope will continue to be reduced as necessary to minimize the capital expenditure.

Baseline Change Control Actions:

None.

Milestone Status:

- None.

90-Day Look-Ahead

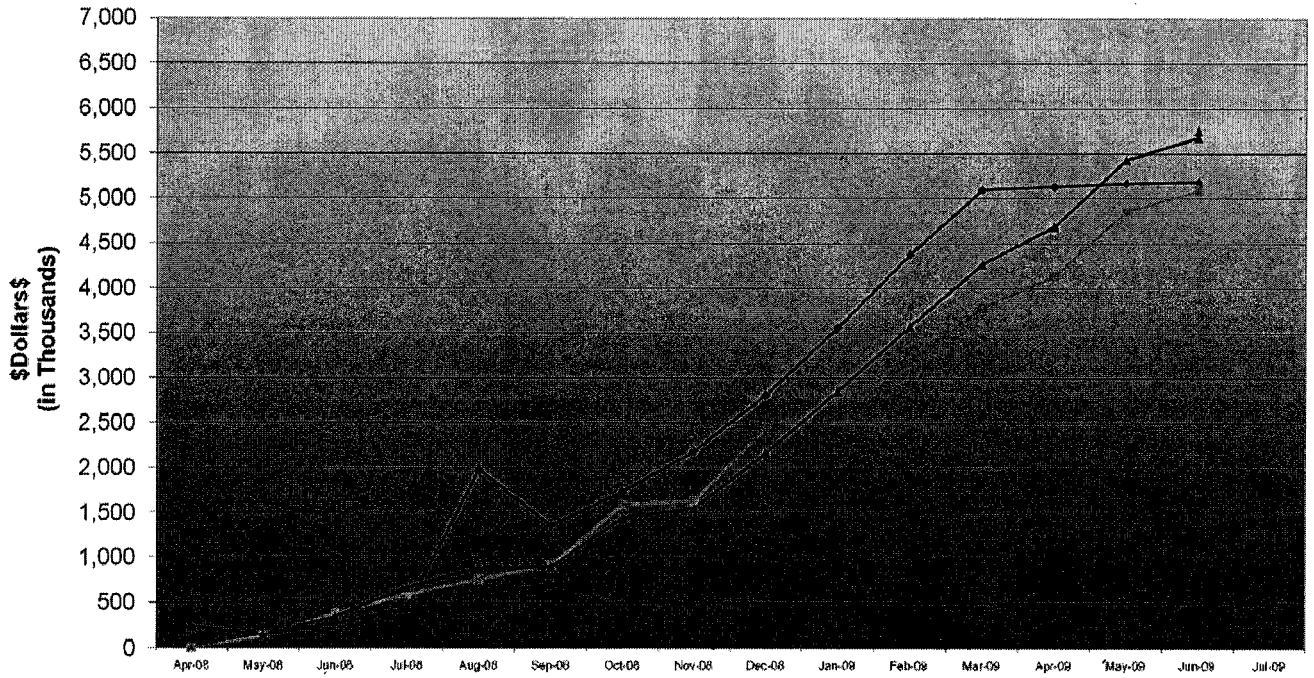
August:

- Complete punch-list items
- Complete partial transfers
- Final transfer
- Initiate project closeout.

September:

- Project closeout.

July 2009
C.R.30.20.11 MFC Radiochemistry Laboratory
Lifecycle



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BCWS	0	155	270	432	1,979	1,302	1,742	2,192	2,814	3,503	4,380	5,102	5,134	5,175	5,187	5,187
BCWP	0	138	360	592	757	912	1,592	1,635	2,462	2,753	3,186	3,763	4,138	4,861	5,087	5,111
ACWP	245	150	348	871	891	900	1,443	1,554	2,173	2,857	3,575	4,370	4,688	5,435	5,681	5,757

WBS / Title: **C.R.20.20.11/C.R.30.20.11 — MFC Radiochemistry Laboratory GPP - AUGUST 2009**

WBS Manager: Bob Waters

Type of Project: General Plant Project (GPP)

Scheduled Start Date: April 2008 **Scheduled Completion Date:** April 2009

TEC = $4,985K

OPC = $ 921K (OPC = $1,351 with C.R.20.20.11)

TPC = $5,906K (TPC = $6,336K with C.R.20.20.11)

BCWS	BCWP	ACWP	SV	SV%	CV	CV%	SPI	CPI	BAC	EAC	VAC
5,186,786	5,110,897	5,757,275	-75,889	-1.46	-646,378	-12.65	0.99	0.89	5,186,786	5,380,161	-193,375

Scope:

The Radiochemistry Laboratory will house laboratory equipment and personnel for basic and applied research in aqueous separations, fuel development and associated activities. The lab spaces include actinide labs, glove box lab, instrument technologies lab, chemical and source storage, counting lab, and mechanical, electrical, and communication system support areas.

Accomplishments:

Completed testing for acceptance and turnover, except for final testing of HVAC systems

Initiated partial transfers

Completed 85% of punch-list items.

Issues:

Cause: Inadequate subcontractor performance has resulted in the project being approximately 18 weeks past the negotiated end date. Substantial progress was made in the weeks leading up to the end date and, while some physical work remained that was expected to be finished in the near term, the subcontractor was unable to manage one of his subtiers to bring the work to a timely completion. Further, final testing has taken far longer than expected, due primarily to poor performance from the same subtier. Final test results are being reviewed to complete partial transfers for acceptance and turnover.

Impact: Project support costs have exceeded planned amounts and continue to increase with further delays in acceptance and turnover.

Corrective Action: The project team has reviewed support costs and is preparing to negotiate with the subcontractor to recover costs due to inadequate performance.

Schedule Variance (SV): $-75,889 **SV%:** -1.46%

Cause: The schedule variance is due to many factors detailed in previous reports: inadequate work force, resulting in late excavation and concrete wall placement during favorable summer weather conditions, resulting in late masonry walls placement during winter weather, insufficient

coordination of the design and construction resources, late "weathering-in" causing critical path electrical delays. Aggressive jobsite coordination of the workforce resulted in a positive trend toward recovering schedule; although utility tie-ins in MFC-752 are complete, accomplishment of final work including final testing has become increasingly slow.

Impact: The project will continue to be behind schedule.

Corrective Action: The general subcontractor replaced one field superintendent and provided additional administrative resources to mitigate delays. The new field superintendent was able to sustain a positive trend resulting in an improvement in the schedule variance (positive trend) from (-) 1.46% to (-) 1.09. The project team will continue to focus on completing critical path final testing work as quickly as possible.

Cost Variance (CV): -$646,378 **CV%:** -12.65%

Cause: A major contributor to the cost variance is ($150K) caused by an increase in non-dedicated support for MFC-752 utility tie-ins in the form of safety engineering, radcon tech, and nuclear facility escorts to facilitate tie-ins of utilities in MFC-752. Due to the nature of a design-build contract, the project was unable to anticipate utility tie-in designs and associated non-dedicated support.

Another major contributor ($225 K) has been EJ/USQ design evaluation activities that far exceeded planned levels. The EJ/USQ process engages engineers and Analytical Laboratory facility personnel who review and evaluate detailed packages as Engineering Job modifications to MFC-752, to ensure no adverse impact or loads are imposed on MFC-752. The effort to prepare and review those detailed packages is far more extensive than planned.

Recent additional activity to support final utility work and completion of punch-list items in MFC-752 has resulted in a higher cost variance.

Impact: The project-to-date negative cost variance has decreased slightly from (-) 12.65 in July to (-) 12.54 % in August.

Corrective Action: An FCN was developed in April and approved in May to identify additional operating funds to provide project support commensurate with anticipated extension of utility tie-in construction activities until the end of May. A follow-up FCN was developed, submitted and approved in June to provide additional operating funds for project support through June with MR to allow for continued support as needed in July. No FCN will be requested for August work, since the support requirements have been reduced considerably with the completion of work in MFC-752. Capital costs will be monitored closely to ensure the $5M capital limit is not exceeded. Elective scope will continue to be reduced as necessary to minimize the capital expenditure.

Baseline Change Control Actions:

None.

Milestone Status:

None.

90-Day Look-Ahead

September:

- Complete punch-list items.

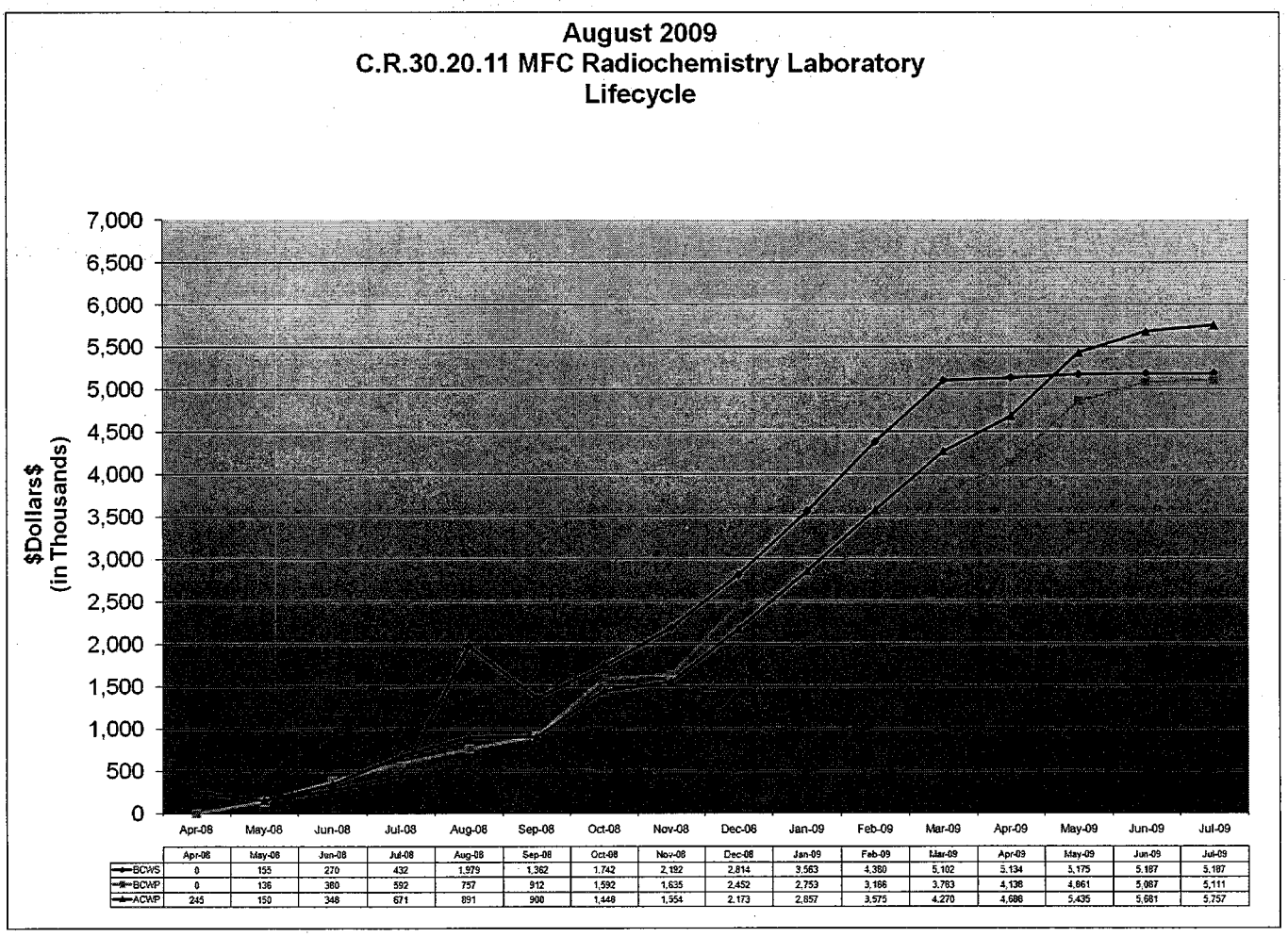
October:

- Complete partial transfers

- Final transfer
- Project closeout.

November:

- Project closeout.



	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09
BCWS	0	155	270	432	1,979	1,362	1,742	2,192	2,814	3,563	4,380	5,102	5,134	5,175	5,187	5,187
BCWP	0	136	380	592	757	912	1,592	1,635	2,452	2,753	3,186	3,763	4,136	4,861	5,087	5,111
ACWP	245	150	348	671	891	900	1,448	1,554	2,173	2,857	3,575	4,270	4,686	5,435	5,681	5,757

WBS / Title: **C.R.20.20.11/C.R.30.20.11 — MFC Radiochemistry Laboratory GPP – SEPTEMBER 2009**

WBS Manager: Bob Waters

Type of Project: General Plant Project (GPP)