

5.0 Multi-Party Agreements

Rocky Mountain Arsenal (RMA)

Decision Document

DD-LTMP-15

Date Prepared: November 9, 2009	Prepared by: Laura Williams
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Decision Subject: SAPC Resolution for Offpost Institutional Controls

Decision Team

Working Group Committee Council Steering and Policy Committee

Decision Background (include any affected or reference documentation)

On September 9, 2009, the RMA Steering and Policy Committee (SAPC) negotiated a process for resolving the Offpost Groundwater Plumes Monitoring Network portion of the Long-Term Monitoring Plan (LTMP) which included expansion of the Offpost Institutional Control (IC) Program. This decision document formalizes the SAPC resolution process for the content to be developed in the Offpost IC Plan and allow completion of the LTMP.

Decision

The Parties agree with the following principles and guidance.

FOR THE LTMP:

- The LTMP can be completed while the Offpost IC Plan is formalized in a separate document.
- At this time, no new wells will be added to the Offpost Monitoring Network though future conditions may warrant installing new wells (for example: if wells are broken, access is denied, increased concentrations in plumes detected, etc.). Any new wells will be mutually agreed upon by the Parties, and formal revision of the LTMP.
- The LTMP will incorporate a process to evaluate and propose wells for removal from the Offpost Monitoring Network.
- Deletion is not being proposed at this time. Monitoring required to support deletion will be agreed upon by the Parties prior to proceeding with the deletion process.

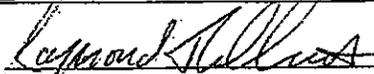
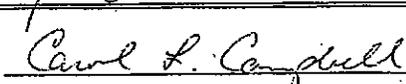
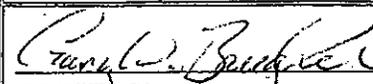
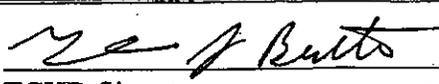
FOR THE IC PLAN:

- The Parties will jointly develop an expanded Offpost IC area, with consideration of the 1994 DIMP plume footprint, 2007 Offpost plume map and the current Well Permit Notification Area.
- Tri-County Health Department (TCHD) will develop/formalize access agreements with private well-owners, as needed.
- The Parties agree to continue an Army/Shell-funded, private well monitoring program that is independently implemented by TCHD to ensure that an independent, funded program continues. The private well monitoring program will continue until the Parties agree the program is not needed.
- The Army will incorporate the private well completion information and sample results supplied by TCHD into the RMA Environmental Database.

Decision Implementation Date (Estimated)

To be implemented upon signature

Decision Approval (If organizations are different than shown, revise or indicate N/A as needed)

 Army Signature _____ Date: 15 DEC 09	 Shell Signature _____ Date: 12-19-09
 USFWS Signature _____ Date: 1/25/10	 EPA Signature _____ Date: 12-29-09
 CDPHE Signature _____ Date: 01-11-10	 TCHD Signature _____ Date: 01-21-10

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

December 8, 2009

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
5650 Havana Street, Building 129
Commerce City, CO 80022-1748

Re: Miscellaneous Rocky Mountain Arsenal Structure
Demolition and Removal Project – Phase III, Construction
Completion Report, Rocky Mountain Arsenal

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) has completed its review of the Construction Completion Report (CCR) for the Miscellaneous Rocky Mountain Arsenal Structure Demolition and Removal Project – Phase III (Project) issued November 5, 2009, by the Remediation Venture Office. The CCR, in compliance with OSWER Directive 9355.0-4B (Remedial Design/ Remedial Action Handbook), documents the remedial action activities for the Project which have been accomplished to date, including:

- Completion of all construction items defined in the Project Scope of Work and Final Design Package, as modified, including the status of revegetation efforts which is monitored as part of the annual *Vegetation Management Plan*;
- Completion of the Project remedy in accordance with the goals established in the 1996 On-Post Record of Decision;
- Conduct of a final inspection(s) by the Colorado Department of Public Health and Environment (CDPHE) and EPA;
- CDPHE concurrence with the CCR via enclosed letter.

Accordingly, EPA approves the CCR as submitted and accepts the Miscellaneous Rocky Mountain Arsenal Structure Demolition and Removal Project – Phase III as complete.

Sincerely,

Terry L. Anderson
Director, Federal Facilities Program

Enclosure: CDPHE Concurrence Letter



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Bill Ritter, Jr., Governor
Ned Calonge, M.D., Interim Executive Director

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Colorado Department
of Public Health
and Environment

RECEIVED
DATE 12/9/09

November 23, 2009

Ms. Carol Campbell
Assistant Regional Administrator
Office of Ecosystem Protection and Remediation
U.S. EPA Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Re: **CDPHE Concurrence with Miscellaneous RMA Structure Demolition and Removal Project
– Phase III**

Dear Ms. Campbell:

CDPHE has reviewed the Rocky Mountain Arsenal's Miscellaneous RMA Structure Demolition and Removal Project – Phase III Construction Completion Report. This report was evaluated for compliance with the objectives described in the Record of Decision, as amended by the Remediation Design and Implementation Schedule. Based upon this evaluation and upon our observations while the work was being performed, I am pleased to inform you of the State's concurrence with the referenced Construction Completion Report.

Sincerely,

Gary W. Baughman

Director

Hazardous Materials and Waste Management Division

cc: Bruce Huenefeld, RMA
Roger Shakely, Shell
Tom Jackson, USFWS
Jack Lipschultz, DOJ
Weslyn Erickson, RMA

Laura Williams, EPA
Melody Mascarenaz, TCHD
Richard Lotz, AGO
Trevor Klotz, Sentinel Consulting
RMA File #7.6-12



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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET
BUILDING 129
COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

12 January 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Extension for the following Integrated Cover System Projects

1. Currently the enforceable Implementation Finish milestone date for the following Integrated Cover System (ICS) Projects: the South Plants BOA & CPA Soil Remediation Phase II, Complex (Army) Disposal Trenches – Cover, and Section 36 Lime Basins Soil Remediation, is 15 January 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 25 March 2010. The Implementation Finish deadline is dependent on receiving the Regulatory Agencies acceptance of the ICS Construction Quality Assurance (CQA) Engineer's Certification Report. The approval process for the ICS CQA Certification Report is expected to take longer to complete than previously forecast due to the development of the Quality Assurance/Quality Control Matrix-ICS CQA Certification Report Crosswalk, which has been added to the process in response to the Regulatory Agencies' review comments received in November 2009.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson), Chief Counsel,
5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
1595 Wynkoop Street, Room 5136, Denver, Colorado 80202-1129
Pacific Western Technologies, Ltd, (Mr. Jim Bush/Mr. Levi Todd), 11049 West 44th Avenue,
Suite 200, Wheat Ridge, Colorado 80033
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022



DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
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5650 HAVANA STREET
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COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

12 January 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Extension for the Basin F and Basin F Exterior Remediation – RCRA-Equivalent Cover Construction Project

1. Currently the enforceable Implementation Finish milestone date for the Basin F and Basin F Exterior Remediation – RCRA-Equivalent Cover Construction Project is 11 January 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 31 March 2010. The Implementation Finish deadline is dependent on completing final revegetation, engineering controls (which have been delayed due to weather impacts), and the Regulatory Agencies' acceptance of the Final Closure Certification Report for the Basin F/F Exterior RCRA-Equivalent Cover.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. Lou Greer at 303-853-3951.

Bruce M. Huemefeld
BRUCE M. HUEMEFELD
RMA Committee Coordinator

CF:

Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson), Chief Counsel,
5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
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Colorado 80037
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana
Street, Building 129, Commerce City, Colorado 80022-1748



DEPARTMENT OF THE ARMY
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DAIM-ODB-RM

12 January 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Extension for the Shell Disposal Trenches Remediation Project

1. Currently the enforceable Implementation Finish milestone date for the Shell Disposal Trenches Remediation Project is 11 January 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 12 February 2010. The Implementation Finish deadline is dependent on completing engineering controls and final inspection activities, which have been delayed due to weather impacts.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.


BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson), Chief Counsel,
5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
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Suite 200, Wheat Ridge, Colorado 80033
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
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U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana
Street, Building 129, Commerce City, Colorado 80022-1748
Tri-County Health Department Environmental Health Division, (Ms. Melody H. Mascarenaz),
4201 East 72nd Avenue, Commerce City, Colorado 80022-1488
Rocky Mountain Arsenal, (Document Tracking Center), 5650 Havana Street, Building 129,
Commerce City, Colorado 80022-1748

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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JAN 19 2010

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
5650 Havana Street, Building 129
Commerce City, CO 80022-1748

Re: South Plants Balance of Areas and Central
Processing Area Soil Remediation Project – Phase 2,
Part 1 and Part 2 Construction Completion Report,
Rocky Mountain Arsenal

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) has completed its review of the *Construction Completion Report* (CCR) for the South Plants Balance of Areas and Central Processing Area Soil Remediation Project – Phase 2, Part 1 and Part 2 (Project) as submitted on November 9, 2009, by the Remediation Venture Office. The CCR, in compliance with OSWER Directive 9355.0-4B (Remedial Design/ Remedial Action Handbook), documents the remedial action activities for the Project which have been accomplished to date, including:

- Completion of the Phase 2, Part 1 and Part 2 construction items identified in Sections 1.3 and 1.5 of the CCR as developed in the Project Scope of Work and Final Design Package, as modified, including the status of revegetation efforts outside the Army-Maintained Area that is monitored as part of the annual *Vegetation Management Plan*;
- Completion of the Project remedy in accordance with the goals established in the 1996 On-Post Record of Decision;
- Conduct of a final inspection by the Colorado Department of Public Health and Environment (CDPHE) and EPA;
- CDPHE concurrence with the CCR via enclosed letter.

Accordingly, EPA approves the CCR as submitted and accepts the South Plants Balance of Areas and Central Processing Area Soil Remediation Project – Phase 2, Part 1 and Part 2 as complete. As stated within the CCR, irrigation and establishment of vegetation on the non-cover Project site areas



Paper

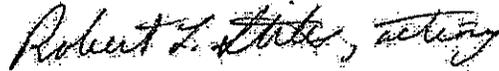


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within the AMA will be documented in the Integrated Cover System (ICS) CCR (currently being developed). Upon submittal and approval of the ICS CCR documenting completion of the irrigation and revegetation requirements, the non-cover areas within the AMA will be deemed to be complete.

Sincerely,



Rob Stites
Acting Director, Federal Facilities Program

Enclosure: GDPHE Concurrence Letter

cc: Ms. Susan Newton, CDPHE
Ms. Melody Mascarenaz, TCHD
Mr. James L. Green, RVO
Mr. Richard Lotz, CO-AG Office
Mr. David A. Carson, DOI

Mr. Mark Thomson, Shell
Mr. Tom Jackson, USFWS
Mr. Jim Bush, PWT
Mr. Wes Erickson, RVO

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DATE

12/19/09

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Ned Calonge, M.D., Interim Executive Director

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Colorado Department
of Public Health
and Environment

December 16, 2009

Ms. Carol Campbell
Assistant Regional Administrator
Office of Ecosystem Protection and Remediation
U.S. EPA Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Re: **CDPHE Concurrence with South Plants Balance of Areas and Central Processing Area Soil Remediation Project – Phase 2, Part 1 and 2 Construction Completion Report.**

Dear Ms. Campbell:

CDPHE has reviewed the Rocky Mountain Arsenal's South Plants Balance of Areas and Central Processing Area Soil Remediation Project – Phase 2, Part 1 and 2 Construction Completion Report. This report was evaluated for compliance with the objectives described in the Record of Decision, as amended by the Remediation Design and Implementation Schedule. Based upon this evaluation and upon our observations while the work was being performed, I am pleased to inform you of the State's concurrence with the referenced Construction Completion Report.

Sincerely,

Gary W. Baughman
Director
Hazardous Materials and Waste Management Division

cc: Bruce-Huenefeld, RMA
Roger Shakely, Shell
Tom Jackson, USFWS
Jack Lipschultz, DOJ
Weslyn Erickson, RMA

Laura Williams, EPA
Melody Mascarenaz, TCHD
Richard Lotz, AGO
Trevor Klotz, Sentinel Consulting
RMA File #7.6-16



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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET
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COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

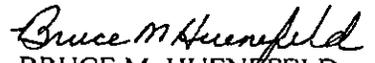
11 February 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension of the Shell Disposal Trenches Remediation Project

1. Currently the enforceable Implementation Finish milestone date for the Shell Disposal Trenches Remediation Project is 12 February 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 10 March 2010. The Implementation Finish Deadline is dependent on completing engineering controls and final inspection activities, which have been delayed due to weather impacts.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Encl


BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson), Chief Counsel,
5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748 (wo/encl)
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Suite 200, Wheat Ridge, Colorado 80033 (w/encl 2 copies)
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037 (wo/encl)
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022 (wo/encl)
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana
Street, Building 129, Commerce City, Colorado 80022-1748 (wo/encl)
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4201 East 72nd Avenue, Commerce City, Colorado 80022-1488 (wo/encl)
Rocky Mountain Arsenal, (Document Tracking Center), 5650 Havana Street, Building 129,
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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February 22, 2010

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
5650 Havana Street, Building 129
Commerce City, CO 80022-1748

Re: Section 36 Balance of Areas Soil Remediation
Project - Part 2 Construction Completion Report,
Rocky Mountain Arsenal

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) has completed its review of the *Construction Completion Report (CCR)* for the Section 36 Balance of Areas Soil Remediation Project - Part 2 (Project) as submitted on November 24, 2009, and amended via change pages received on December 24, 2009, by the Remediation Venture Office. The CCR, in compliance with OSWER Directive 9355.0-4B (Remedial Design/ Remedial Action Handbook), documents the remedial action activities for the Project which have been accomplished to date, including:

- Completion of the Part 2 construction items identified in Sections 1.4 and 1.6 of the CCR as developed in the Project Scope of Work and Final Design Package, as modified, including the status of revegetation efforts outside the Army-Maintained Area that is monitored as part of the annual *Vegetation Management Plan*;
- Completion of the Project remedy in accordance with the goals established in the 1996 On-Post Record of Decision;
- Conduct of a final inspection by the Colorado Department of Public Health and Environment (CDPHE) and EPA;
- CDPHE concurrence with the CCR via enclosed letter.

Accordingly, EPA approves the CCR as submitted and accepts the Section 36 Balance of Areas Soil Remediation Project - Part 2 as complete. Irrigation and establishment of vegetation on Project site areas within the AMA (9.6 acres of RCRA Equivalent Cover, 30.6 acres of 2-foot soil covers, and

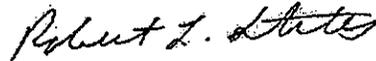


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112.6 acres of non-cover area) are to be documented in the Integrated Cover System (ICS) CCR (currently being developed). Upon submittal and approval of the ICS CCR documenting completion of the irrigation and revegetation requirements, the Project areas within the AMA will be deemed to be complete.

Sincerely,



Rob Stites
Acting Director, Federal Facilities Program

Enclosure: CDPHE Concurrence Letter

cc: Ms. Susan Newton, CDPHE
Ms. Melody Mascarenaz, TCHD
Mr. James L. Green, RVO
Mr. Richard Lotz, CO-AG Office
Mr. David A. Carson, DOJ

Mr. Mark Thomson, Shell
Mr. Tom Jackson, USFWS
Mr. Jim Bush, PWT
Mr. Wes Erickson, RVO

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STATE OF COLORADO

Bill Ritter, Jr., Governor
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Colorado Department
of Public Health
and Environment

February 8, 2010

Ms. Carol Campbell
Assistant Regional Administrator
Office of Ecosystem Protection and Remediation
U.S. EPA Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Re: **CDPHE Concurrence with Section 36 Balance of Areas Part II Construction Completion Report**

Dear Ms. Campbell:

CDPHE has reviewed the Rocky Mountain Arsenal's Section 36 Balance of Areas- Part II Construction Completion Report. This report was evaluated for compliance with the objectives described in the Record of Decision, as amended by the Remediation Design and Implementation Schedule. Based upon this evaluation and upon our observations while the work was being performed, I am pleased to inform you of the State's concurrence with the referenced Construction Completion Report.

Sincerely,

Gary W. Baughman
Director
Hazardous Materials and Waste Management Division

cc: ✓ Bruce Huenefeld, RMA
Roger Shakely, Shell
Tom Jackson, USFWS
Jack Lipschultz, DOJ
Weslyn Erickson, RMA

Laura Williams, EPA
Melody Mascarenaz, TCHD
Richard Lotz, AGO
Trevor Klotz, Sentinel Consulting
RMA File #7.6-18



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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

4 March 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone for the Integrated Cover System Projects

1. Currently the enforceable Implementation Finish milestone date is 25 March 2010 for the following Integrated Cover System Projects: South Plants Balance of Areas and Central Processing Area Soil Remediation Phase II, Complex (Army) Disposal Trenches – Cover, Section 36 Lime Basins Soil Remediation. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone date to 27 April 2010. The Implementation Finish Deadline is dependent on receiving the Regulatory Agencies' acceptance of the Integrated Cover System Construction Quality Assurance Engineer's Certification Report (ICS Cert Report). The approval process for the ICS Cert Report is expected to take longer to complete than previously forecast.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Richard L. Beardslee

BM BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748

U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
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Suite 200, Wheat Ridge, Colorado 80033

Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City, Colorado 80037

URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City, Colorado 80022

U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana Street,
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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

4 March 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone for the Shell Disposal Trenches Remediation Project

1. Currently the enforceable Implementation Finish milestone date for the Shell Disposal Trenches Remediation Project is 10 March 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 6 April 2010. The Implementation Finish Deadline is dependent on completing engineering controls and final inspection activities, which have been delayed due to weather impacts.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Richard L. Beardslee

BM
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
1595 Wynkoop Street, Room 5136, Denver, Colorado 80202-1129
Pacific Western Technologies, Ltd., (Mr. Jim Bush/Mr. Levi Todd), 11049 West 44th Avenue,
Suite 200, Wheat Ridge, Colorado
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URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City, Colorado 80022
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana Street,
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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

18 March 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension Basin F and Basin F Exterior Remediation – RCRA-Equivalent
Cover Construction Project

1. Currently the enforceable Implementation Finish milestone date for the Basin F and Basin F Exterior Remediation – RCRA-Equivalent Cover Construction Project is 31 March 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 27 May 2010. The Implementation Finish Deadline is dependent on completing final revegetation, which has continued to be delayed due to weather impacts, and the Regulatory Agencies' acceptance of the Final Certification Report for the Basin F/F Exterior RCRA-Equivalent Cover.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. Lou Greer at 303-853-3951.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
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BASE REALIGNMENT AND CLOSURE
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5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

25 March 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Signed Decision Document DD-BasinA-16

1. Enclosed for your information is a copy of the signed Decision Document DD-BasinA-16. The decision document describes how groundwater monitoring plan requirements originally contained in the Basin A Design were incorporated into the Long-Term Monitoring Plan (LTMP). It also documents changes to the monitoring plan requirements that will be implemented under the 2010 LTMP revision.

2. The points of contact on this matter are Mr. Bruce Huenefeld at 303-289-0240 or Mr. Lou Greer at 303-853-3951.

Encl

Bruce M Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748 (wo/encl)
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Suite 200, Wheat Ridge, Colorado 80033 (w/encl 2 copies)
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037 (wo/encl)
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022 (wo/encl)
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana Street,
Building 130, Commerce City, Colorado 80022-1748 (wo/encl)
Tri-County Health Department Environmental Health Division, (Ms. Melody Mascarenaz),
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Rocky Mountain Arsenal, (DAIM-ODB-RM/Document Tracking Center), 5650 Havana Street,
Building 129, Commerce City, Colorado 80022-1748 (wo/encl)



Rocky Mountain Arsenal Decision Document

DD-BasinA-16

Date Prepared: 03/03/2010	Prepared by: Lou Greer
Decision Subject: Revisions to the Basin A Consolidation and Remediation Project Groundwater Monitoring Plan Requirements incorporated into the 2010 Long-Term Monitoring Plan for Groundwater and Surface Water	
Decision Team:	
Working Group <input checked="" type="checkbox"/> Committee <input type="checkbox"/> Council <input type="checkbox"/> Steering and Policy Committee <input type="checkbox"/>	
Decision Background (include any affected or reference documentation):	
References: 1 - <i>Basin A Consolidation and Remediation Project Final Design Package</i> , September 1997 2 - <i>Long-Term Monitoring Plan for Groundwater</i> , December 1999	
<p>The Basin A Consolidation and Remediation Project Final Design Package (Basin A Design) (Reference 1) addressed groundwater monitoring in Section 3.8, Groundwater Monitoring Design Analysis and in Section 4.3, Groundwater Monitoring Plan. The Design Analysis stated that the primary objective of the Basin A Groundwater Monitoring Program was the monitoring of groundwater levels, and that the Design Analysis was prepared to select groundwater monitoring wells for abandonment, retention, or replacement within the Basin A Groundwater Monitoring Program.</p> <p>The Basin A Design Groundwater Monitoring Plan presented the groundwater monitoring program for the Basin A Consolidation and Remediation Project. The Groundwater Monitoring Plan stated, "The purpose of the Basin A groundwater monitoring program is to collect groundwater data to ensure that the Basin A containment remedy is consistent with the overall plan for RMA groundwater containment; verify that the RAOs are met; and measure the effects on groundwater for five year reviews. For long term operations, the ROD states ["where human health exceedances are left in place at soil sites, groundwater will be monitored, as necessary to evaluate the effectiveness of the remedy"]." The monitoring program varied according to the different construction phases of the project; therefore, it was divided into pre-construction, construction/consolidation, and post-closure (e.g., post-construction) components.</p> <p>All monitoring wells within the Basin A Consolidation Area and selected wells outside the consolidation area were closed during the pre-construction phase. During construction/consolidation, which entailed placement of contaminated soil and structural debris in the consolidation area, selected perimeter wells were retained for water level monitoring only. As required in the Basin A Design Groundwater Monitoring Plan, water level monitoring of 14 UFS wells and 2 CFS wells on an annual frequency was conducted during the Basin A construction/consolidation phase. Upgradient wells identified in the Basin A-Neck System operations program provided water level monitoring (26307, 26506, 26507, 26510, 26512, 35079, 35081, 35301, 35302, 35303, 35304, 35305, 35306, 35507, 35511, 35512, 35513, 35514, 35515, 35516, 35519, 35521, 35523, 35526, 35544, and 35549) and water-quality monitoring (26307, 35301, 35302, 35303, 35304, 35305, and 35306) during the Basin A construction/consolidation phase.</p>	



Following Basin A cover construction, the post-construction component of the Basin A Design Groundwater Monitoring Plan called for construction of 7 replacement wells within the Basin A Consolidation Area for monitoring of water levels and water quality, and retention of selected perimeter wells to monitor water levels. The replacement wells were installed in 2007/2008 by North Wind and were numbered 36627 through 36633. The plan also provided monitoring frequencies, a list of analytes, and reporting requirements. The original wells and replacement wells are listed below:

Original Well	Replacement Well
36056	36627
36081	36628
36093	36629
36108	36630
36109	36631
36177	36632
36599	36633

While construction of the replacement wells was performed as required by the Basin A Design Groundwater Monitoring Plan, the Basin A water level and water quality monitoring program was incorporated into the Long Term Monitoring Plan (LTMP) (Reference 2) for implementation. Changes in the Basin A water-quality monitoring network and analyte list were made in both the 1999 LTMP and revised LTMP (2010) to make the Basin A monitoring program more consistent with the overall monitoring approach developed for RMA. For the 2010 LTMP, these changes include eliminating one of the replacement wells from the water quality network, and monitoring of indicator analytes instead of the complete Basin A Neck System CSRG analyte list. Baseline water quality data were collected from 6 of the 7 replacement wells in 2007/2008. RVO also sampled the same six replacement wells in 2009 to align the sampling frequency of these wells with the once-in-five-year sampling frequency proposed in the revised LTMP.

In an LTMP meeting on September 2, 2009, the Water Team Working Group agreed that a Decision Document was an appropriate means to document concurrence of changes to project-specific groundwater monitoring plans being implemented under the LTMP. The following decisions apply to monitoring changes for the Basin A Design Groundwater Monitoring Plan that are being implemented under the LTMP as the Basin A project transitions to the post-construction phase.

Decision:

Water Level Monitoring:

All the UFS wells in the Basin A Design water-level network were incorporated into the 2010 LTMP annual water-level tracking network, except well 36513, which was closed on November 4, 2002; and well 36540, which was closed on August 24, 2006. Both wells were closed because of interference with remedy construction/soil excavation activities. These wells were not essential to the post-construction water-level network and the remaining wells (36052, 36054, 36077, 36089, 36092, 36094, 36112, 36123, 36142, 36168, 36169, 36210, 36627, 36628, 36629, 36630, 36631, 36632, and 36633) provide adequate data points for water table mapping in the Basin A area. Thus, addition of alternate or replacement wells for the two closed wells was not necessary.

The two CFS wells in the Basin A construction/consolidation phase water-level network are wells 36170 and 36171, which are part of a well cluster. Well 36171 was incorporated into the LTMP CFS network and adjacent UFS well 36169 is retained in the LTMP for monitoring the UFS and the vertical gradient with CFS well 36171. CFS well 36170 is not included in the LTMP CFS network, because it was not constructed properly, and it does not contribute to Basin A or CFS monitoring objectives. Consequently, water level monitoring of well 36170 will be discontinued during the post-construction phase.

Water Quality Monitoring:

LTMP revisions in 2010 involve monitoring 6 of the 7 replacement wells. These wells include 36627, 36629, 36630, 36631, 36632, and 36633. Well 36628 will not be sampled because it is in a similar flow path as other wells upgradient and downgradient. A monitoring frequency of once in 5 years was specified in the Basin A Monitoring Plan and is retained in the 2010 LTMP because of the slow groundwater migration in Basin A, as documented in the Basin A Monitoring Plan and the 2010 LTMP. The indicator analyte list for these wells will include arsenic, benzene, chloroform, chloride, DBCP, DIMP, dithiane, dieldrin, and trichloroethylene in all 6 wells, plus NDMA in 4 wells (36627, 36629, 36631, and 36632). These indicator analytes are compounds of interest for Basin A, the Lime Basins, and the Basin A Neck System.

This Decision Document incorporates the original groundwater monitoring plan requirements contained in the Basin A Design to the LTMP, and documents changes to the monitoring requirements that will be implemented under the 2010 LTMP revision, anticipated to be finalized in early 2010.

Decision Implementation Date (Estimated):

Upon completion of 2010 LTMP

Decision Approval (If organizations are different than shown, revise or indicate N/A as needed):

<i>Bruce M. Hunsfield</i> Army Signature	10 Mar 2010 Date	<i>Mark J. Hanson</i> Steel Signature	3/18/10 Date
<i>Tom Radtke</i> USEWS Signature	3/18/10 Date	<i>Kevin A. Beston</i> EPA Signature	3/4/2010 Date
<i>[Signature]</i> CDPHE Signature	3/18/2010 Date	<i>[Signature]</i> TCHD Signature	3/17/10 Date

Distribution (Include all affected parties):

RMA Records <input type="checkbox"/>	RVO Engineer <input type="checkbox"/>	RVO QA <input type="checkbox"/>
RVO Health & Safety <input type="checkbox"/>	Approvers <input type="checkbox"/>	PMC <input type="checkbox"/>
Others () <input type="checkbox"/>	RVO Air Group <input type="checkbox"/>	RVO Construction <input type="checkbox"/>
RVO Water Team <input type="checkbox"/>	RVO Env. Compliance <input type="checkbox"/>	Army Legal Consul <input type="checkbox"/>

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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET
BUILDING 129
COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

1 April 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension for the Shell Disposal Trenches Remediation Project

1. Currently the enforceable Implementation Finish milestone date for the Shell Disposal Trenches Remediation Project is 6 April 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 30 April 2010. The Implementation Finish Deadline is dependent on completing engineering controls and final inspection activities, which have been delayed due to weather impacts.
2. There is no impact to the critical path/overall remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
U.S. Environmental Protection Agency, (Mr. Ron Bertram), Region VIII, Mail Code 8EPR-F,
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DEPARTMENT OF THE ARMY
-BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET
BUILDING 129
COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

22 April 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension for Integrated Cover System Projects

1. Currently the enforceable Implementation Finish milestone date April 27, 2010 for the following Integrated Cover System (ICS) Projects: South Plants Balance of Areas and Central Processing Area Soil Remediation Phase II, Complex (Army) Disposal Trenches – Cover, and Section 36 Lime Basins Soil Remediation. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to May 28, 2010. The Implementation Finish Deadline is dependent on receiving the Regulatory Agencies' acceptance of the ICS Construction Quality Assurance Engineer's Certification Report (ICS Cert Report). The approval process for the ICS Cert Report is expected to take longer to complete than previously forecast.
2. There is no impact to the critical path/overall Remedy Schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
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URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022





DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

20 May 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129.

SUBJECT: Milestone Letter for the Following Integrated Cover System Projects.

1. Currently the enforceable Implementation Finish milestone date is 28 May 2010, for the following Integrated Cover System Projects: South Plants Balance of Areas and Central Processing Area Soil Remediation Phase II, Complex.(Army) Disposal Trenches – Cover, Section 36 Lime Basins Soil Remediation. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone date to 30 July 2010. The Implementation Finish deadline is dependent on receiving the Regulatory Agencies' acceptance of the Integrated Cover System Construction Quality Assurance Engineer's Certification Report (ICS Cert Report). The approval process for the ICS Cert Report is expected to take longer to complete than previously forecast.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
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5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

20 May 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII, Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Letter for the Basin F and Basin F Exterior Remediation – RCRA-Equivalent Cover Construction Project

1. Currently the enforceable Implementation Finish milestone date for the Basin F and Basin F Exterior Remediation – RCRA-Equivalent Cover Construction Project is 27 May 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 31 August 2010. The Implementation Finish deadline is dependent on the Regulatory Agencies' acceptance of the Closure Certification Report for the Basin F/F Exterior RCRA-Equivalent Cover.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. Lou Greer at 303-853-3951.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

RECEIVED

DATE 7/28/10 pl

July 21, 2010

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
5650 Havana Street, Building 129
Commerce City, CO 80022-1748

Re: Hazardous Waste Landfill Final Cap
Construction Project Construction Completion
Report, Rocky Mountain Arsenal (RMA)

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) has completed its review of the Construction Completion Report (CCR) for the Hazardous Waste Landfill (HWL) Final Cap Construction Project (Project) as revised on September 23, 2008, by the Remediation Venture Office. The CCR, in compliance with OSWER Directive 9355.0-4B (Remedial Design/ Remedial Action Handbook), documents the remedial action activities for the Project which have been accomplished to date, including:

- Completion of all construction items defined in the Project Scope of Work and Final Design Package, as modified;
- Completion of the Project in accordance with the goals established in the 1996 On-Post Record of Decision (ROD);
- Conduct of a final inspection by the Colorado Department of Public Health and Environment (CDPHE) and EPA;
- Completion of a Post-Closure Plan approved by CDPHE on July 2, 2009, that defines the post-closure care requirements as defined in 6 CCR 1007-3 and incorporates the CERCLA long-term operation and maintenance requirements; and
- CDPHE concurrence with the CCR via enclosed letter.



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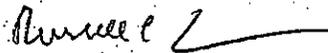
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The HWL Cap Construction is the fourth and final phase of work for the HWL remedy component of the RMA Site. In conjunction with the previously completed documents listed below, the construction and waste placement operations of the Hazardous Waste Landfill component of the Rocky Mountain Arsenal remedy are complete.

1. HWL Liner and Facility Construction (Phase 1) CCR approved by EPA on September 27, 2000;
2. HWL Liner and Facility Construction (Phase 2) CCR approved by EPA on April 18, 2001;
3. Cell 1 Final Construction Quality Assurance Report approved by CDPHE on April 28, 1999;
4. Phase II Final Construction Quality Assurance Report approved by CDPHE on October 6, 2000;
5. HWL and Facilities Operations CCR approved by EPA on April 8, 2008; and
6. Construction Quality Assurance Report for the HWL Final Cover approved by CDPHE on March 23, 2010.

Ongoing operation and maintenance of the HWL leachate collection and leak detection system, treatment of the leachate, and HWL-specific groundwater monitoring demonstrate that the HWL is functioning properly and operating in accordance with the design and post-closure plan. Accordingly, EPA approves the CCR for the HWL Final Cap Construction Project as submitted and accepts the HWL remedy component as operational and functional.

Sincerely,



Russell Leclerc
Director, Federal Facilities Program

Enclosure: CDPHE Concurrence Letter

cc: Ms. Susan Newton, CDPHE
Ms. Melody Mascarenaz, TCHD
Mr. Kelly Cable, RVO
Mr. Richard Lotz, CO-AG Office
Mr. David A. Carson, DOJ

Mr. Mark Thomson, Shell
Mr. Tom Jackson, USFWS
Mr. Jim Bush, PWT
Mr. Wes Erickson, RVO

RECEIVED
DATE 7/12/10 pl

STATE OF COLORADO

Bill Ritter, Jr., Governor
Martha E. Rudolph, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

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<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

June 30, 2010

Ms. Carol Campbell
Assistant Regional Administrator
Office of Ecosystem Protection and Remediation
U.S. EPA Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Re: **CDPHE Concurrence with Hazardous Waste Landfill Final Cap Construction Project Construction Completion Report**

Dear Ms. Campbell:

CDPHE has reviewed the Rocky Mountain Arsenal's Hazardous Waste Landfill Final Cap Construction Project Construction Completion Report. This report was evaluated for compliance with the objectives described in the Record of Decision, as amended by the Remediation Design and Implementation Schedule. Based upon this evaluation and upon our observations while the work was being performed, I am pleased to inform you of the State's concurrence with the referenced Construction Completion Report.

Sincerely,

Gary W. Baughman
Director

Hazardous Materials and Waste Management Division

cc: ✓ Bruce Huenefeld, RMA
Roger Shakely, Shell
Tom Jackson, USFWS
Jack Lipschultz, DOJ
Weslyn Erickson, RMA

Laura Williams, EPA
Melody Mascarenaz, TCHD
Richard Lotz, AGO
Trevor Klotz, Sentinel Consulting
RMA File #7.6-35



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DEPARTMENT OF THE ARMY
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DAIM-ODB-RM

22 July 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Letter for the Following Integrated Cover System Projects

1. Currently the enforceable Implementation Finish milestone date is 30 July 2010, for the following Integrated Cover System Projects: South Plants Balance of Areas and Central Processing Area Soil Remediation Phase II, Complex (Army) Disposal Trenches – Cover, Section 36 Lime Basins Soil Remediation. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone date to 30 September 2010. The Implementation Finish deadline is dependent on receiving the Regulatory Agencies' acceptance of the Integrated Cover System Construction Quality Assurance Engineer's Certification Report (ICS Cert Report). The approval process for the ICS Cert Report is expected to take longer to complete than previously forecast.
2. There is no impact to the critical path/overall Remedy schedule due to moving the Implementation Finish deadline of this project.
3. The point of contact on this matter is Mr. James Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
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1595 Wynkoop Street, Room 5136, Denver, Colorado 80202-1129
Pacific Western Technologies, Ltd., (Mr. Jim Bush/Mr. Levi Todd), 11049 West 44th Avenue,
Suite 200, Wheat Ridge, Colorado 80033
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana Street,
Building 130, Commerce City, Colorado 80022-1748



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917

<http://www.epa.gov/region08>

RECEIVED
DATE 8/4/10 *pl*

August 2, 2010

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
Building 129
5650 Havana Street
Commerce City, Colorado 80022-1748

RE: Integrated Cover System Projects,
Rocky Mountain Arsenal, Commerce City,
Colorado

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) approves an extension of the referenced document milestone date to 30 September 2010. The extension was requested by the Army in a letter dated 22 July 2010.

If you need information regarding this transmittal, please contact Greg Hargreaves, EPA's contact for this project, at 303-312-6661 EPA, 303-808-0576 Cell, 303-216-0148 Home Office.

Sincerely,

Greg Hargreaves
Greg Hargreaves

EPA Representative for RMA Committee

cc: Ms. Susan Newton, CDPHE
Mr. Mark Thomson, Shell Oil
Mr. Tom Jackson, USFWS
Mr. Jim Bush, PWT

Mr. Melody Mascarenaz, TCHD
Mr. David Carson, DOJ
Mr. Richard Lotz, AGO
Mr. Wes Erickson, RVO



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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET
BUILDING 129
COMMERCE CITY, CO 80022-1748

DAIM-ODB-RM

2 September 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension on the Basin F and Basin F Exterior Remediation – Resource
Conservation and Recovery Act - Equivalent Cover Construction Project

1. Currently the enforceable Implementation Finish milestone date for the Basin F and Basin F Exterior Remediation – Resource Conservation and Recovery Act (RCRA)-Equivalent Cover Construction Project is 31 August 2010. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 30 September 2010. The Implementation Finish Deadline is dependent on the Regulatory Agencies' acceptance of the Closure Certification Report for the Basin F/Basin F Exterior RCRA-Equivalent Cover.
2. There is no impact to the critical path/overall remedy schedule due to moving the Implementation Finish Deadline of this project.
3. The point of contact on this matter is Mr. Lou Greer at 303-853-3951.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
Pacific Western Technologies, Ltd., (Mr. Jim Bush/Mr. Levi Todd), 11049 West 44th Avenue,
Suite 200, Wheat Ridge, Colorado 80033
Shell Oil Company, (Mr. Roger B. Shakely), P.O. Box 538, Commerce City,
Colorado 80037
URS Washington Division, (Mr. Mark Thomson), P.O. Box 1717, Commerce City,
Colorado 80022
U.S. Fish and Wildlife Service, (Mr. Tom Jackson), Rocky Mountain Arsenal, 5650 Havana Street,
Building 130, Commerce City, Colorado 80022-1748
Tri-County Health Department Environmental Health Division, (Ms. Melody Mascarenaz),
4201 East 72nd Avenue, Commerce City, Colorado 80022-1488
Rocky Mountain Arsenal (DAIM-ODB-RM/Document Tracking Center), 5650 Havana Street,
Building 129, Commerce City, Colorado 80022-1748



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DATE 9/15/10 *pe*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917

<http://www.epa.gov/region08>

September 13, 2010

Ref: 8EPR-F

Mr. Bruce Huenefeld
Rocky Mountain Arsenal
Building 129
5650 Havana Street
Commerce City, Colorado 80022-1748

RE: Milestone Extension on the Basin F and
Basin F Exterior Remediation RCRA
Equivalent Cover Construction Project,
Rocky Mountain Arsenal, Commerce City,
Colorado

Dear Mr. Huenefeld:

The Environmental Protection Agency (EPA) agrees to an extension of this milestone to 30 September 2010 for the referenced document.

If you need information regarding this transmittal, please contact Greg Hargreaves, EPA's contact for this project, at 303-312-6661 EPA, 303-808-0576 Cell, 303-216-0148 Home Office.

Sincerely,

Greg Hargreaves
Greg Hargreaves

EPA Representative for RMA Committee

Enclosure

cc: Ms. Susan Newton, CDPHE
Mr. Mark Thomson, Shell Oil
Mr. Tom Jackson, USFWS
Mr. Jim Bush, PWT

Mr. Melody Mascarenaz, TCHD
Mr. David Carson, DOJ
Mr. Richard Lotz, AGO
Mr. Wes Erickson, RVO



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DEPARTMENT OF THE ARMY
BASE REALIGNMENT AND CLOSURE
ROCKY MOUNTAIN ARSENAL
5650 HAVANA STREET, BUILDING 129
COMMERCE CITY, COLORADO 80022-1748

DAIM-ODB-RM

30 September 2010

MEMORANDUM FOR U.S. Environmental Protection Agency, (Mr. Greg Hargreaves), Region VIII,
Mail Code 8EPR-F, 1595 Wynkoop Street, Denver, Colorado 80202-1129

SUBJECT: Milestone Extension for Integrated Cover System Projects

1. The enforceable Implementation Finish Milestone date is 30 September 2010 for the following Integrated Cover System (ICS) Projects: South Plants Balance of Areas & Central Processing Area Soil Remediation Phase II, Complex (Army) Disposal Trenches – Cover, Section 36 Lime Basins Soil Remediation. In accordance with Paragraphs 26.8-26.18 and 34.22 of the Federal Facility Agreement, the Remediation Venture Office is requesting an extension of this milestone to 31 October 2010. The Implementation Finish Deadline is dependent on receiving the Regulatory Agencies' acceptance of the ICS Construction Quality Assurance Engineer's Certification Report (ICS Cert Report). The approval process for the ICS Cert Report is expected to take longer to complete than previously forecast because it depends upon the closing of several Nonconformance Reports, which requires the Regulatory Agencies' approval of three Design Change Notifications.
2. There is no impact to the critical path/overall remedy schedule due to moving the Implementation Finish Milestone of this project.
3. The point of contact on this matter is Mr. James L. Green at 303-289-0412.

Bruce M. Huenefeld
BRUCE M. HUENEFELD
RMA Committee Coordinator

CF:

Program Manager Rocky Mountain Arsenal, (DAIM-ODB-RM/Mr. M. Weslyn Erickson),
Chief Counsel, 5650 Havana Street, Building 129, Commerce City, Colorado 80022-1748
Pacific Western Technologies, Ltd., (Mr. Jim Bush/Mr. Levi Todd), 11049 West 44th Avenue,
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Building 130, Commerce City, Colorado 80022-1748

