

**TRI-PARTY AGREEMENT**

Change Notice Number TPA-CN- 666	TPA CHANGE NOTICE FORM	Date: May 26, 2015
Document Number, Title, and Revision: <i>Remedial Design/Remedial Action Work Plan for the K Basins Interim Remedial Action: Treatment and Packaging of K Basins Sludge, DOE/RL-2011-15, Revision 0.</i>		Date Document Last Issued: June 2011
Originator: M. K. Stewart		Phone: 509-373-5818

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**Description of Change:**  
Modification of Table 4 and Table 5 to update TPA Interim Milestone Due Date Change per TPA Change Form M-16-15-03.

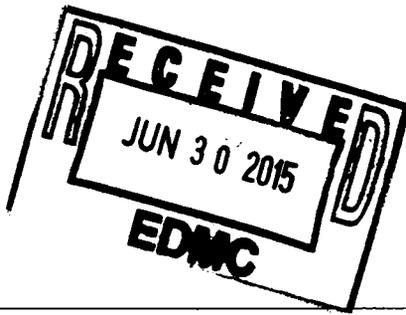
M.S. French **DOE** and R.A. Lobos **Lead Regulatory Agency** agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

Table 4. Summary of Relevant Tri-Party Agreement Milestones on page 33 and Table 5. Estimated Cost and Schedule on page 34 are modified to match Milestone M-016-173 due date of 9/30/2022 per TPA Change Form M-16-15-03.

Table 4 and Table 5 are attached.

Modifications are denoted by using ~~strikeout~~ to indicate deletions and double underline to indicate text additions.

**Justification and Impacts of Change:**  
This change modifies the work plan to align with the due dates per TPA Change Form M-16-15-03.



**Approvals:**

<u>M.S. French</u> DOE Project Manager	<u>6/5/15</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
<u>[Signature]</u> EPA Project Manager	<u>6/8/15</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
N/A		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved
Ecology Project Manager	Date	

*Services Quality Assurance Requirements Documents (HASQARD) (DOE/RL-96-68).* Applicable SAPs also include the quality requirements applicable to work performed using a graded approach.

## 6 Remedial Action Completion

Completion of the sludge management activities identified in this RD/RAWP will be achieved by meeting the end-point criteria specific to this work scope.

### 6.1 End-Point Criteria

End-point criteria for the sludge treatment are identified in HNF-20632, *End Point Criteria for the K Basins Interim Remedial Action*.

### 6.2 Project Closure Documentation

Project closure documentation will be prepared to document completion of the scope covered by this work plan. The report will describe the activities performed to meet the end-point criteria and describe achievement of the RAOs identified in Section 2.2.

## 7 Milestone, Cost, and Schedule

### 7.1 Milestones

The M-016-140 Milestone was negotiated in 2008 to promote integration of the K Basins Sludge Treatment Project (STP) with 100-K Area closure activities. Modifications to the TPA milestone schedule relevant to activities described in this RD/RAWP are presented in Table 4.

**Table 4. Summary of Relevant Tri-Party Agreement Milestones**

M-016-171	Complete K Basin sludge treatment and packaging technology evaluation report and submit a schedule including proposed new interim milestones for bench scale or identified testing in order to meet M-016-173	March 31, 2012
M-016-173	Select K Basin sludge treatment and packaging technology and propose new interim sludge treatment and packaging milestones	<del>March 31, 2015</del> <u>September 30, 2022</u>

### 7.2 Cost and Schedule

Table 5 summarizes the key cost and schedule elements for the planned work included in this RD/RAWP.

Table 5. Estimated Cost and Schedule

Activity	Cost	Schedule Date
Complete Conceptual Design	\$60M	<del>October 2012</del> — March 2015
Complete Preliminary Design*	\$110M	<del>TBD</del> <u>September 30, 2022</u>
Complete Final Design*	\$60M	TBD
Construction and Readiness Reviews*	\$290M	TBD
Complete Treatment and Packaging of First Container of Sludge*	\$10M	TBD
Complete Treatment and Packaging of Last Container of Sludge*	\$195M	TBD

\*Note: costs are rough order-of-magnitude estimates based on pre-conceptual design and will be updated in accordance with TPA Milestone M-016-173.

## 8 References

- 10 CFR 20, “Standards for Protection Against Radiation,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title10-vol1/xml/CFR-2010-title10-vol1-part20.xml>.
- 10 CFR 61, “Licensing Requirements for Land Disposal of Radioactive Waste,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title10-vol2/xml/CFR-2010-title10-vol2-part61.xml>.
- 61.40, “General Requirement.”
- 10 CFR 830, “Nuclear Safety Management,” Subpart A, “Quality Assurance Requirements,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title10-vol4/xml/CFR-2010-title10-vol4-part830-subpartA.xml>.
- 10 CFR 835, “Occupational Radiation Protection,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title10-vol4/xml/CFR-2010-title10-vol4-part835.xml>.
- 29 CFR 1910.120, “Occupational Safety and Health Standards,” “Hazardous Waste Operations and Emergency Response,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title29-vol5/xml/CFR-2010-title29-vol5-sec1910-120.xml>.
- 36 CFR 60, “National Register of Historic Places,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title36-vol1/xml/CFR-2010-title36-vol1-part60.xml>.
- 36 CFR 65, “National Historic Landmarks Program,” *Code of Federal Regulations*. Available at: <http://www.gpo.gov/fdsys/pkg/CFR-2010-title36-vol1/xml/CFR-2010-title36-vol1-part65.xml>.