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Fissile Material Disposition Program

MOX Irradiation, Feedstock, and Transportation

ARIES Oxide Production Program Annual Report – FY14

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EXECUTIVE SUMMARY

Fissile Material Disposition Program

Annual Report - 2014

A summary of the major accomplishments (September), milestones, financial summary, project performance and issues facing the ARIES Oxide Production Program at the close of FY14 is presented in this Executive Summary. Annual accomplishments are summarized in the body of the report.

September Work Accomplishments

Blend lot #s 51 & 52 were accepted by MOX Services on September 17th totally 25 kg certified PuO₂.

The final LANL Surveillance Report of SRNL Analytical Chemistry was issued on September 2nd. The final report identified two deficiencies from the surveillance which were previously identified as areas of concern in the draft report: (1) QA Records and (2) Measuring and Test Equipment (M&TE). Two appendices were included in the report that addressed the follow-up TIMS surveillance performed by MOX Services and documents LANL's current issues with the ICP-MS.

On September 4th LANL received MOX Services approval of the revised sampling plan that reduces the frequency of sampling to 10 percent for certain impurities. This change will bring savings to the Program in both time and dollars.

LANL submitted the Legacy Inventory Risk Reduction Plan to NA-26 on September 15th. The focus of the legacy effort is to develop policies and procedures to facilitate the disposition of excess inventory, streamline critical assets, and manage future inventory through the full lifecycle.

In September, Program Director Mark Dinehart traveled to Washington DC to meet with Pete Hanlon, Associate Deputy Administrator for the Office of Fissile Materials Disposition to discuss restart and readiness activities, and FY15 planning and deliverables for the Oxide Production Program.

Merrick & Co. Engineering delivered the 100% preliminary design on the MD-2 Shipping/Receiving Preliminary Design project. The project scope covered reconfiguring the pack/unpack room and an expanded covering at the existing external dock area. The design was delivered to LANL on September 26th.

The ARIES Oxide Production Storage Cage Upgrade project was released for planning by the TA-55 configuration management/engineering organization. The Integrate Work Documents are 90% complete and construction scheduling is underway. Completion of the cage installation is scheduled in FY15.

The robotic lathe controlled upgrade project completed all construction activities and closed out the construction work packages. AET-5 and MET-2 completed the controller cable installation. MET-1, AET-5, MET-2 and subcontractor B6 Sigma powered up the new control cabinet, initiated the servo motors electrical signal tests, and tested electrical signals to limit switches and other low voltage devices. B6 Sigma is scheduled to resume the above activities on October 13th and complete the SQA test plan.

The ARIES Pit Cutter project team began cold testing the prototype on September 11th, testing is expected to complete in late October. Once completed the team will procure any items deemed necessary as a result of the cold test and upgrade the prototype/control system accordingly. The final cold test is scheduled to begin in the March/April 2015 timeframe and complete by mid-May.

The packaging line's new outer can welder installation was completed on September 22nd. This installation is the last of three packaging line new installation projects in FY14 that included a new can

opener, inner can welder, and the outer can welder. This new equipment will add redundancy and reduce risk to the existing and aging production line packaging equipment.

Can Opener

Inner Can Welder

Outer Can Welder

ARIES Oxide Production Program FY14 Annual Report

1.0 Introduction

Los Alamos National Laboratory (LANL), under LANS, LLC, has the mission to produce plutonium oxide certified for use in Mixed-Oxide (MOX) fuels production and has historically used the Advanced Recovery and Integrated Extraction System (ARIES) for operations. Additionally, in FY13 the Program produced a blend lot using a muffle furnace with the expectation that the use of this alternative conversion method would become part of the production line adding redundancy and reducing risk. Feed material is obtained from stockpile-return units identified by NA-26 for disposition in accordance with the Plutonium Management and Disposition Agreement.

This annual report provides an overview of the key activities associated with the Program covering FY14. Information is provided on staffing, accomplishments, milestones, financials, trends, activity status and overall concerns and challenges as we close-out FY14 and prepare for FY15.

2.0 Staffing

FY14	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Planned	53	68	74	75	76	76	78	79	75	74	72	64
Actual	52	62	62	66	72	75	66	77	73	69	71	69

Table 1: Planned Versus Actual Staffing Costs (FTEs)

The Outer Can Welder construction project completed installation as scheduled and the MD-2 Shipping/Receiving Preliminary Design was delivered as scheduled, both project maintained higher levels of FTE in September than expected. Other efforts (conveyor refurbishment, muffle furnace controller) continued at their normal level of effort in September instead of ramping down, both will carry over to FY15.

3.0 Accomplishments

Milestones:

Criticality safety concerns with the DMO-3 oxide conversion unit were resolved and a path forward was decided. Milestone was completed March 30th.

The ARIES Pit Cutter Project team completed the final fabrication design for the prototype pit cutter. The final 100% fabrication design was delivered on April 3rd, completing the milestone well in advance of the August 15th due date.

Installation was complete on the packaging line's new inner can welder on May 15th, also completing the milestone well ahead of the September 1st due date.

Inner Can Welder

The 3 Ready-to-Ship submittal packages were completed on varying dates. Blend lot #s included: (1st RTS - # 1-2, 4, 17, 30-31), (2nd RTS 32-37), and (3rd RTS 39, 41-44, 38M). The milestone was complete in August.

During the May – June timeframe the Program began developing a revised work plan. The objective of this plan was to communicate the actions being taken by the Fissile Materials Disposition Program's ARIES Oxide Production Program Team to realign the FY14 and FY15 activities to support revised FY15 funding defined in the President's Budget Request, subsequent congressional proposals, and verbal direction from NA-26. As part of this revised work scope document, submitted on July 15th, the 150 kg of certified PuO₂ was decreased to 50 kg PuO₂. This decision came as a result of the extended PF-4 pause in programmatic operations. The 50 kg of PuO₂ was to be comprised of oxide in the existing inventory. By the end of FY14 25 kg PuO₂ was certified and approved by MOX Services.

Further defined in the revised work plan were additional milestones including the delivery of the FY14/FY15 Revised Work Plan (delivered July 15th). The following milestone accomplishments address the status of these additions.

Between MET, NCO & MQ personnel all ARIES related operating and maintenance procedures were reviewed, walked-down, revised and approved through the current TA-55 Document Action Request process. At that time the procedures met existing requirements. Any future criticality modification may require further procedure revision(s). The milestone was completed by the end of December.

PNNL completed the criticality safety analyses for pit disassembly and direct metal oxidation. The milestone was completed; the Program awaits analyses approvals from the LANL Nuclear Criticality Safety organization.

The Program submitted the Minimum Capability Plan to NA-26 on August 15th. The capability plan defined the needs associated with the ARIES Oxide Production Program infrastructure while the NNSA studies options for the larger national Material Disposition Program.

The Program delivered the Legacy Inventory Risk Reduction Plan to NA-26 on September 15th. The focus of the legacy effort is to develop policies and procedures to facilitate the disposition of excess inventory, streamline critical assets, and manage future inventory through the full lifecycle.

Program Management:

On October 25, 2013 the Oxide Production Program finalized the baseline schedule for FY14 work. Work packages were in the final stages of completion and included scope, milestones, resources,

schedule basis of estimate and assumptions. The team continued to fine tune each work package to ensure accuracy and consistency with the baseline. In FY14 there were 30 work packages organized by: Operations (12), Engineering (5), Program Management (7), or Projects (6).

Los Alamos Program Management Plan in Support of Fissile Materials Disposition Program FY14 (8AD-552286) was transmitted to the Federal Program Manager of Fissile Materials Disposition, NA-26 by NNSA/DOE/Los Alamos Field Office. The document was signed on January 13, 2014.

The ARIES Program team submitted the draft ARIES Oxide Production Program's FY15 Program Management Plan to the Federal Program Manager, Virginia Kay, on August 27th. The draft was written under the assumption that operations would begin in November 2014. This plan is currently undergoing major revision to include readiness requirements as defined by DOE order. It is expected to be resubmitted by the end of October.

A viable waste path was realized in January as two shipments of transuranic waste left the Laboratory, bound for the Waste Isolation Pilot Project. These shipments were accomplished as scheduled without incident.

Waste Shipment – On the Truck

NPI-2 and NCO-4 teamed together to develop a first of its kind *real-time* electronic data capture system for the ARIES oxide processing operations to reduce product certification errors as part of the "Product Acceptance Trouble Free" initiative in ADPSM.

Projects:

The packaging line installed three new pieces of equipment during FY14, reducing risk and adding redundancy to the packaging line processes and aging equipment. First to be installed was the can opener. Installation was successfully completed on January 8th.

New Can Opener

Installation of the Inner can welder, noted above in the milestones section of accomplishments was completed on May 15th. The outer can welder installation was completed on September 22nd.

New Inner Can Welder

New Outer Can Welder

The NDA Cage Project team completed construction of the cage on August 22nd. This cage allows the NDA process to operate 24/7 without the presence of personnel. The project was successful even with various interruptions throughout the year.

NDA Cage Installed –Roll-up Door Closed

The robotic lathe controller upgrade project awarded a contract to B6 Sigma Inc. (the designer of the controller) in October. Installation and cold testing proceeded at TA-3 Bldg. 39. After successful completion in the cold test environment the new lathe controller was moved into PF-4 in its home location in June. All connections were completed to the Continuous Air Monitor (CAM) and the Facility Control System. Installation got underway in July with final cold testing of the controller in mid-late September timeframe. In mid-September the project completed all construction activities and closed out the construction work packages. AET-5 and MET-2 completed the controller cable installation. MET-1, AET-5, MET-2 and subcontractor B6 Sigma powered up the new control cabinet, initiated the servo motors electrical signal tests, and tested electrical signals to limit switches and other low voltage devices. B6 Sigma is scheduled to resume the above activities on October 13th and complete the SQA test plan. This project is scheduled to complete in early FY15.

New Robotic Lathe Controller

The ARIES Pit Cutter Project got underway with the development of the prototype fabrication design. The design was completed on April 3rd. At that time the prototype was conceptually represented by the following mock-ups:

ARIES Pit Cutter

Work on the ARIES Pit Cutter prototype and control system progressed through the year, the tool is currently undergoing cold testing at TA-46. Cold testing will continue into late October 2014. When complete the team will procure items deemed necessary as a result of the cold test and upgrade the prototype/control system accordingly. The final cold test is scheduled to begin in the March/April 2015 timeframe and complete by mid-May.

Control System

Prototype Cutting Tool

Merrick & Co. Engineering was selected to deliver a 100% preliminary design for the MD-2 Shipping/Receiving Project. The project scope covered reconfiguring the pack/unpack room and an expanded covering at the existing external dock area. The 100% preliminary design was delivered to LANL on September 26th.

100% PRELIMINARY DESIGN	
Vibration Cover and Pack/Unpack Room	
FOR PROJECT	
MD-2 Shipping/Receiving Design Project	
September 25, 2014	
DCFR: T80	
LANL PROJECT IDENTIFICATION # T80	
TECHNICAL AREA 55	
BUILDING 304	
PREPARED BY	
MERRICK & COMPANY	
300 SOUTH STREET	
LOS ALAMOS, NM 87544	
MERRICK JOB NO. 6-10-102400	
Management Level	☐ M-1 ☐ M-2 ☐ M-3 ☒ M-4
Working Functional Classification	☐ A1 ☐ A2 ☐ A3 ☐ A4 ☐ A5 ☐ A6 ☐ A7 ☐ A8 ☐ A9 ☐ A10 ☐ A11 ☐ A12 ☐ A13 ☐ A14 ☐ A15 ☐ A16 ☐ A17 ☐ A18 ☐ A19 ☐ A20 ☐ A21 ☐ A22 ☐ A23 ☐ A24 ☐ A25 ☐ A26 ☐ A27 ☐ A28 ☐ A29 ☐ A30 ☐ A31 ☐ A32 ☐ A33 ☐ A34 ☐ A35 ☐ A36 ☐ A37 ☐ A38 ☐ A39 ☐ A40 ☐ A41 ☐ A42 ☐ A43 ☐ A44 ☐ A45 ☐ A46 ☐ A47 ☐ A48 ☐ A49 ☐ A50 ☐ A51 ☐ A52 ☐ A53 ☐ A54 ☐ A55 ☐ A56 ☐ A57 ☐ A58 ☐ A59 ☐ A60 ☐ A61 ☐ A62 ☐ A63 ☐ A64 ☐ A65 ☐ A66 ☐ A67 ☐ A68 ☐ A69 ☐ A70 ☐ A71 ☐ A72 ☐ A73 ☐ A74 ☐ A75 ☐ A76 ☐ A77 ☐ A78 ☐ A79 ☐ A80 ☐ A81 ☐ A82 ☐ A83 ☐ A84 ☐ A85 ☐ A86 ☐ A87 ☐ A88 ☐ A89 ☐ A90 ☐ A91 ☐ A92 ☐ A93 ☐ A94 ☐ A95 ☐ A96 ☐ A97 ☐ A98 ☐ A99 ☐ A100
Submitted By:	Name: Jennifer Mary, PM Date: 9/25/14
LANL Approval:	Signature: [Signature] Date: 9/25/14
Classification:	Declassification Status: ☐ Unclassified ☐ Restricted ☒ Confidential
<p>1) Where the term "Technical Representative (TR)" or "Contract Administrator (CA)" are used in the project specifications and design documents, this can be understood to mean "Classification Representative (CR)" for this project.</p> <p>2) Where the term "Contractor or Contractor" is used in the project specifications and design documents, this can be understood to mean LANL, NNSA, or this project.</p>	
<p>LANL Project #: T80</p> <p>Project Name: Vibration Cover and Pack/Unpack Room</p> <p>Project #: 6-10-102400</p> <p>Revision #: 1</p>	

MD-2 Shipping/Receiving Preliminary Design Project **100% Preliminary Design: Specifications Table of Contents**

The ARIES Oxide Production Cage Upgrade project was kicked-off in April. The project is driven by concerns for storage space and NA-26's direction to cease shipment of material until further notice. Since April the project team completed a 100% design for the cage upgrade and began the procurement cycle for materials, parts and pieces. Installation of the cage is scheduled to begin and complete in FY15.

Meetings:

On January 15th Mark Dinehart provided an overview presentation on the ARIES Oxide Production Program to the Secretary of Energy's Senior Advisor John J. MacWilliams, Kenneth Alston, Specialist Advisor for Finance, and Kelly Cummins, Policy Advisor. Other key visitors included Pete Hanlon, Associate Deputy Administrator for NA-26 and Sachiko McAlhany, Senior Technical Advisor for NA-26.

The LANL Federal Program Manager from the Office of Fissile Materials Disposition was onsite the last week of February for a Program Review. She had the opportunity to meet with ADPSM Management, the Program Team, toured several sites where cold testing of programmatic equipment was underway, spent time in the plant to view new and existing equipment, attended the weekly ARIES operations meeting, and met with colleagues at the Los Alamos Field Office.

In March the Program Director traveled to Washington DC and the Savannah River Site (SRS) to discuss FY14 and FY15 planning and pending funding reductions. The ARIES team began preparing a revised plan with milestones for FY14 and FY15 to support the revised funding discussed during the planning meetings. The end result was the FY14/FY15 Revised Work Plan.

Also in March the Technical Project Manager traveled to SRS to attend integration meetings on material shipping and receiving, and sample analysis. Also present were personnel from Savannah River National Laboratory (SRNL).

On August 19th the Program welcomed visitors Paul Rehmus, Program Examiner for the National Nuclear Security Administration, Office of Management and Budget, Don Leathem, National Security Division, Office of Management and Budget, and William Kilmartin, Fissile Material Disposition Program Support Director, NA-261. Mark Dinehart provided an overview of the Plutonium Disposition Program at LANL and gave the visitors a tour of PF-4. They also toured the new laboratories in the Radiological Laboratory, Utility & Office Building and spent the following day with personnel from LANL's Global Security, Nuclear Nonproliferation and Security organization.

Mark Dinehart traveled to Washington DC to attend the 3rd quarter financial review on the ARIES Oxide Production Program. The team supported Mark via VTC. Topics covered included: FY14 assumptions, milestone status, 3rd quarter accomplishments and staffing levels, a financial summary, FY15 assumptions and spend plan, and outstanding issues. The review was well received and generated positive and active discussion.

In May Steven McKee was invited to speak at the 38th annual Actinide Separations conference, held in Albuquerque, NM. His talk was titled "20 Years of Plutonium Disposition: A look at the technical approach for Pit Disassembly and Conversion."

On August 26th the Program welcomed visitors Virginia Kay, Federal Program Manager, NA-261, William Kilmartin, Fissile Material Disposition Program Support Director, NA-261, and Jaci Dickerson, Graduate Fellow, NA-261. Mark Dinehart and the ARIES Oxide Production Program team provided an overview of plutonium disposition at LANL, an extensive tour of PF-4 (with project/process managers at each process station with prepared briefings), a tour of the RLUOB laboratories, discussion on resumption of PF-4 and associated readiness activities, a meeting with ADPSM management, a meeting with ADPSM management, a visit/meeting with staff at the Los Alamos Field Office, and a demonstration of the ARIES Pit Cutter prototype.

On September 30th Mark Dinehart traveled to Washington DC to meet with Pete Hanlon, Associate Deputy Administrator for the Office of Fissile Materials Disposition to discuss restart and readiness activities, and FY15 deliverables for the Oxide Production Program.

Quality Assurance:

J-E-T-S completed a 10 day audit of the ARIES Oxide Production QA Program. The auditors noted that the QA program shows improvement in many areas since the last audit in 2011. There were some shortfalls found as well largely to do with the lack of management assessments. A final report was issued in December. The Program developed a comprehensive assessment schedule for FY14.

SRNL hosted LANL for an annual surveillance during the week of July 14th. The purpose of the surveillance was for LANL to observe the analytical chemistry process on samples from four blend lots. MOX Services shadowed the surveillance. No significant issues were identified.

Analytical Chemistry:

The Memorandum of Understanding between Los Alamos National Laboratory (LANL) and Savannah River National Laboratory (SRNL) for Analytical Chemistry Support for Oxide Production Samples (SRNL-MOU-2013-00001 Rev 2) has been revised, reviewed, and signed by all parties.

LANL has maintained Savannah River National Laboratory as an approved supplier for analytical services.

4.0 Milestones Status

4.1 NNSA Directed FY14 Milestones

The ARIES Oxide Production Program FY14 NNSA directed milestones are described in the table below and include status and notations as applicable.

Status	Due	Description	Notes
1	03/30/14	Resolve criticality safety concerns with the DMO-3 oxide conversion unit	PNNL analysis is complete. A path forward has been agreed upon. Milestone complete.
2	09/01/14	Complete the installation of the packaging line inner can welder	Installation was completed on 5/15/14. Milestone complete.
3	08/15/14	Complete design of Simple Pit Disassembly Equipment (ARIES Pit Cutter)	Final fabrication design delivered 4/3/14. Milestone complete.
4	09/30/14	50 kg certified PuO ₂ accepted by MOX Services	Blend lot #s 51 & 52 were accepted by MOX Services on 9/17/14 totaling 25 kg certified PuO ₂ . Blend lot 38M is with MOX Services awaiting review and acceptance. NCR with MOX Services for Blend Lot 53. Blend Lot #40 remains at PNNL awaiting chemistry analysis and commercial grade dedication process.
5	09/15/14	Complete 3 Ready-to-Ship submittals	1 st , 2 nd , & 3 rd Ready-to-Ship submittals are complete. Milestone complete.
Additional Milestones			
6	09/30/14	All ARIES procedures reviewed, approved, signed	Procedures complete and meet current requirements. Future criticality modifications may require procedure revision. Milestone complete.
7	08/01/14	PNNL criticality safety analysis input on Pit Disassembly and DMO-2 complete	PDIS and DMO-2 input complete. Milestone complete.
8	07/15/14	FY14/FY15 Revised Work Plan Submitted	Revised work plan submitted to NA-26 on 7/15/14. Milestone complete.
9	08/15/14	Minimum Capability Plan Complete	Plan submitted to NA-26 on 8/15/14. Milestone complete.
10	08/15/14	Legacy Inventory Risk Reduction Plan Complete	Plan submitted to NA-26 on 9/15/14. Milestone complete.

Table 2: NNSA Directed Milestone Summary

Satisfactory
 Caution
 Alert
 Complete

4.2 Near Term Milestones

Milestone	Target Date	Forecast or Actual Date
Certification of Blend Lot 38-M	06-Mar-2014	22-Dec-2014 F
Prepare Samples and Ship to SRS (Blend Lot #s 51-52)	03-Jun-2013	02-Jun-2013 A
NDA Cage Installation Complete	17-Mar-2014	22-Aug-2014 A
MD-2 Shipping/Receiving - Preliminary Design Complete	19-Mar-2014	26-Sep-2014 A
Prepare Samples and Ship to SRS (Blend Lot #s 53-54)	22-Jul-2013	02-Jun-2013 A
Construction Management of the Robotic Lathe Controller Upgrade Complete	28-Oct-2014	28-Oct-2014 F
Prepare and Ship Samples to PNNL (Blend Lot #s 2 & 40)	28-Jul-2014	04-Aug-2014 A

Table 3: Near Term Milestone Summary

5.0 Financial Overview

5.1 Financial Summary

Baseline	September Spend Status	EAC
\$44,251,211	\$35,170,777	\$35,170,777

5.2 Project Performance and Earned Value Management

The ARIES Oxide Production program cumulative cost variance at the close of FY14 was -\$1,631K resulting in a CPI of 0.95 with the total spent at \$35,170K. The estimate at completion was \$35,170K. The cumulative schedule variance was -\$10,711K resulting in an SPI of 0.76. \$33,539K of work was accomplished against \$44,251K planned.

The Program remained behind schedule through FY14 due largely to operations not resuming. There were also unplanned delays in procurement on the ARIES Pit Cutter project and unforeseen delays in the Conveyor Control System Refurbishment due to an inability to do any work in PF-4 early in the year. Work on the conveyor progressed slower than planned.

The overrun is due to resources charging FY14 Operations Work Packages without the resumption of operations. Lack of criticality resources and criticality resource prioritization played a significant role in slow resumption/restart progress.

5.3 Variance Analysis

Functional area cumulative YTD variance is analyzed in the table below:

Function	Schedule Variance	Cost Variance	Analysis
Operations	(\$7,375) 0.58 SPI	(\$4,273) 0.71 CPI	Operational work packages are behind schedule and overrun. The schedule is behind primarily due to delays in resuming operations in PF-4. The overrun is primarily due to lack of progress on PF-4 resumption activities compared to the assigned resources.
Engineering	(\$658) 0.89 SPI	\$2,334 1.82 CPI	Engineering is behind schedule and underrun. The schedule is behind primarily due to delays in the Conveyor Control System Refurbishment activities. Completion of some of these efforts will be delayed until FY15. Due to the pause in operations, Spare Parts is showing an underrun and very few spare parts being ordered during FY14.
Program Management	(\$2,185) 0.85 SPI	(\$372) .97 CPI	Program Management is behind schedule and slightly overrun. The schedule is behind primarily due to delays in PF-4 resumption. These delays are impacting the QA work package for activities which rely on Operations.
Projects	(\$491) .92 SPI	\$680 1.13 CPI	The negative schedule variance is primarily due to delays on the Pit Cutter effort. Some FY14 efforts will extend into FY15. The underrun is primarily due to late contractor billings for work performed on the Lathe, Pit Cutter, Can Opener and MD-2 Container.

Table 4: Variance Analysis

6.0 Trends and Change Control

The current Trend Register, Appendix G, is attached to this report.

No change actions occurred in September, and no unresolved trends remain at the end of FY14.

7.0 Status

The Program team is revising the draft ARIES Oxide Production Program's FY15 Program Management Plan due to DOE, LANL and ADPSM readiness requirements for restart verification. LANL is revising the FY15 work packages and the milestones have been renegotiated with NA-26. Details on FY15 restart are under development. Impacts to other programmatic efforts are currently unknown.

Blend Lot #s 51 and 51 received approval from MOX Services on September 17th. MOX Services is reviewing Blend Lot # 38M and have requested additional supporting information for the review of this Blend Lot. Blend lot 38M is now scheduled to be certified by December 22nd.

Blend Lot #'s 53 and 54 were reanalyzed for trace analysis by SRNL after the issues associated with the ICP-MS equipment were resolved. The new analysis for trace analysis for 53 and 54 had no measurement issues, all elements were within specification. The surface analysis of Blend Lot #54 continues to lag due to equipment issues.

Blend Lot #'s 2 and 40 await chemical analysis at PNNL. The analysis will be overseen by LANL engineering per the commercial grade dedication process. The CGD plan was completed and is in the review process. LANL has developed LOI's to support the visit and witness the analysis. No date has been set given changes in staffing resources from ARIES support to supporting restart.

Upon a return to operations, oxide in the production pipeline (Blend Lot #'s 55 & 56) will need to be re-calcined in DMO using the doser.

Los Alamos continues to hold all "ready-to-ship" oxide until authorized by NA-26 to resume shipments to SRS. At present 298 kg Pu is in the "ready-to-ship" category, all which can be put into 9975 containers and shipped today. Los Alamos is preparing an interim storage analysis to fully understand the short and long-term impacts of this significant change to the program.

Revisions to the draft FY15 work packages and Program Management Plan are underway and will include a detailed, resource-loaded schedule, revised work scope to include plans of action, management assessment activities, and contractor readiness activities.

8.0 Challenges

Details on FY15 restart are under development. Impacts to other programmatic efforts are currently unknown.

Appendices

Appendix A: Production Schedule

Appendix B: Certification & Ready-to-Ship Schedule

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APPENDIX A: Production Schedule

APPENDIX A – PRODUCTION SCHEDULE – September 2014

BLEND LOTS 51-62 FY2014 OXIDE PRODUCTION*																				
Oxide Production		Oct*	Nov	Dec	Jan*	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Year to Date	Q1	Q2	Q3	Q4	Total for Year	Status
Converted (kg Pu)	Planned	0	0	0	15	30	30	15	30	30	30	15	15	210.0	0.0	75.0	75.0	60.0	210.0	
	Actual	70.7	0	0	0	0	0	0	0	0	0	0	0	70.7	70.7	0.0	0.0	0.0	70.7	
Blended (kg Pu)	Planned	0	0	0	15	30	30	30	15	35	30	30	15	230.0	0.0	75.0	80.0	75.0	230.0	
	Actual	50.8	0	0	0	0	0	0	0	0	0	0	0	50.8	50.8	0.0	0.0	0.0	50.8	
Samples Shipped**	Planned	0	0	0	60	0	0	0	60	60	60	0	0	240.0	0.0	60.0	120.0	60.0	240.0	
	Actual	0	0	0	0	0	0	0	0	25.0	0	0	0	25.0	0.0	0.0	25.0	0.0	25.0	
Packaged (kg Pu)	Planned	0	0	0	0	12.7	37.9	25.4	25.4	25.4	25.4	12.7	25.4	190.3	0.0	50.6	76.2	63.5	190.3	
	Actual	50.8	0	0	0	0	0	0	0	0	0	0	0	50.8	50.8	0.0	0.0	0.0	50.8	
Analyzed*** (kg Pu)	Planned	0	0	0	0	0	50.8	0	50.8	0	50.8	0	50.8	203.2	0.0	50.8	50.8	101.6	203.2	
	Actual	0	0	25.0	0	0	0	0	0	0	0	25.0	0	50.0	25.0	0.0	0.0	25.0	50.0	
Certified**** (kg Pu)	Planned	0	0	0	0	25.2	0	25.2	0	0	50.8	0	50.8	152.0	0.0	25.2	25.2	101.6	152.0	
	Actual	0	0	0	0	0	0	0	0	0	0	0	25.0	0.0	0.0	0.0	0.0	25.0	25.0	

NOTES:

* Includes FY13 material in the pipeline and assume 1/8/14 start date. There is a high likelihood that the material in the pipeline will have to be rerun through DMO.

** FY14 has all samples shipped to SRNL

*** FY14 has all AC performed by SRNL except 10% nitrogen sampling

**** Letter of acceptance by MOX Services denotes "certified"

■ Samples analyzed in December denotes TGA completion for Blend Lot #s 51 & 52

■ Denotes the data for the June 2014 report

■ Comparison of YTD planned versus actuals

■ Change from previous month

■ Alert – planned versus actual not met

APPENDIX B:

Certification & Ready-to-Ship Schedule

APPENDIX B – CERTIFICATION AND READY-TO-SHIP SCHEDULE – SEPTEMBER 2014

BLEND LOT	kg Pu (theoretical)		kg Pu (actual)	Status	AC Report Complete	CoA prepared	CoC prepared	QPA-PQ review and approval	MOX Services approval	Field Office review (if required)	Status
38-M	12.7							8/27/2014	9/24/2014	n/a	Under review by MOX Services
40	12.7					9/8/2014	9/8/2014	9/15/2014	9/29/2014	n/a	will not be ready for analysis at PNNL until week 10/13
51	12.7		12.5					8/27/2014	9/24/2014	n/a	Certified by MOX Services 9/17/14
52	12.7		12.5					8/27/2014	9/24/2014	n/a	Certified by MOX Services 9/17/14
53	12.7				8/18/2014	9/1/2014	9/1/2014	9/15/2014	9/29/2014	n/a	NCR with MOX Services for approval
54	12.7				8/18/2014	9/1/2014	9/1/2014	9/15/2014	9/29/2014	n/a	CoA generator in LIMS not modified, requires surface area measurement
total	76.2	76.2	38.1	25							
RTS #1	1,2,4,17,30,31								9/29/2014	n/a	
RTS #2	32-37										
RTS #3	39,41-44,38-M									n/a	

Notes:

Activity complete

Maximum that can be certified this FY with paperwork pushed through. This amount is 76.2 kg theoretical

Minimum that can be certified this FY without much effort. This amount is 38.1 kg theoretical.

At Risk

Not Applicable (n/a) - denotes that NA-00-LA will no longer review books, except as part of any quality assessment, audit, or spot check at their discretion.

APPENDIX C:

Cost Performance Report

APPENDIX C: COST PERFORMANCE REPORT - SEPTEMBER 2014

COST PERFORMANCE REPORT - FORMAT 2														PAGE 1 OF 1		
DATA FROM 09/30/2013 TO 09/30/2050														COST IN \$ x1,000		
IWBS LVL 7 AND DESCRIPTION (1)	CURRENT PERIOD (09/28/2014)					CUMULATIVE TO DATE							AT COMPLETION			
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		INDEX		BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULED (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULED (10)	COST (11)	SCHEDULED (12)	COST (13)				
IWBS LVL 6: Operations																
D10201D4030101	Pit Disassembly	74	13	103	-60	-89	975	149	983	-825	-833	0.15	0.15	975	983	-7
D10201D4030102	Material Shipping and Receiving	186	305	170	119	134	1,739	767	1,229	-971	-462	0.44	0.62	1,739	1,229	509
D10201D4030103	Pu Conversion	484	97	327	-387	-230	3,772	1,441	2,729	-2,330	-1,287	0.38	0.53	3,772	2,729	1,043
D10201D4030104	Packaging	296	103	272	-193	-169	2,917	1,860	3,130	-1,056	-1,269	0.64	0.59	2,917	3,130	-212
D10201D4030105	Nondestructive Assay	30	4	5	-26	-1	301	44	225	-257	-181	0.15	0.20	301	225	75
D10201D4030106	Operations Management	91	74	62	-16	12	824	659	531	-164	128	0.80	1.24	824	531	293
D10201D4030107	Pu Characterization	85	8	133	-76	-124	1,152	353	1,387	-799	-1,033	0.31	0.25	1,152	1,387	-234
D10201D4030108	Preventive Equipment Maintenance	55	55	5	-0	49	560	560	480	0	80	1.00	1.17	560	480	80
D10201D4030109	Production Planning and Control	205	113	305	-92	-192	2,082	1,159	1,771	-922	-611	0.56	0.65	2,082	1,771	311
D10201D4030111	2nd Mill and Blend Shielding Installation	0	0	-1	0	1	37	37	74	0	-36	1.00	0.51	37	74	-36
D10201D4030112	PF-4 Resumption	123	781	-16	657	798	3,369	3,322	2,088	-47	1,233	0.99	1.59	3,369	2,088	1,280
IWBS LVL 6: Operations		1,634	1,557	1,368	-76	189	17,733	10,357	14,630	-7,375	-4,273	0.58	0.71	17,733	14,630	3,102
IWBS LVL 6: Engineering																
D10201D4030201	Process Equipment Engineering Support	111	19	28	-92	-9	1,613	1,149	1,032	-463	117	0.71	1.11	1,613	1,032	580
D10201D4030202	Analytical Chemistry	183	123	14	-59	109	1,394	1,270	564	-124	706	0.91	2.25	1,394	564	830
D10201D4030203	Process Qualification	0	0	0	0	-0	127	55	226	-71	-170	0.44	0.25	127	226	-99
D10201D4030204	Warehousing/Procurement/Storage	42	42	24	0	18	427	427	342	0	85	1.00	1.25	427	342	85
D10201D4030205	Spare Parts	239	239	76	0	162	2,293	2,293	697	0	1,596	1.00	3.29	2,293	697	1,596
IWBS LVL 6: Engineering		576	425	144	-151	280	5,856	5,197	2,863	-658	2,334	0.89	1.82	5,856	2,863	2,993
IWBS LVL 6: Program Management																
D10201D4030301	Program Management	201	9	161	-192	-152	2,173	1,943	1,735	-230	208	0.89	1.12	2,173	1,735	438
D10201D4030302	TA-55 Infrastructure	552	552	604	0	-52	5,566	5,566	5,382	0	184	1.00	1.03	5,566	5,382	184
D10201D4030303	TA-54 Waste Management	47	0	52	-47	-52	150	0	84	-150	-84	0.00	0.00	150	84	65
D10201D4030304	Quality Assurance Support	304	166	112	-137	53	3,037	2,029	2,741	-1,008	-711	0.67	0.74	3,037	2,741	296
D10201D4030305	Independent Product Certification	123	20	12	-103	7	506	211	300	-294	-88	0.42	0.71	506	300	206
D10201D4030306	Records Management/Document	59	59	19	0	39	600	600	608	0	-7	1.00	0.99	600	608	-7
D10201D4030307	Alternative Studies	176	138	180	-37	-41	2,075	1,573	1,447	-502	125	0.76	1.09	2,075	1,447	628
IWBS LVL 6: Program Management		1,465	945	1,143	-519	-197	14,111	11,925	12,298	-2,185	-372	0.85	0.97	14,111	12,298	1,812
IWBS LVL 6: Projects																
D10201D4030401	Lathe Controller Upgrade Installation	135	61	162	-74	-100	1,425	1,425	1,287	0	138	1.00	1.11	1,425	1,287	138
D10201D4030402	ARIES Pit Cutter	303	284	133	-18	151	2,417	1,999	1,552	-418	447	0.83	1.29	2,417	1,552	865
D10201D4030403	NDA Cage Installation	102	108	54	6	54	740	737	971	-2	-234	1.00	0.76	740	971	-231
D10201D4030404	MD-2 Container Preliminary Design	104	117	250	12	-133	798	783	631	-14	151	0.98	1.24	798	631	166
D10201D4030405	TA55-314 Upgrades	0	0	-5	0	5	242	232	228	-9	4	0.96	1.02	242	228	14
D10201D4030406	Can Opener, Inner Welder, Outer Welder	39	93	83	54	10	925	879	706	-46	172	0.95	1.24	925	706	218
IWBS LVL 6: Projects		686	665	678	-20	-13	6,549	6,058	5,378	-491	680	0.92	1.13	6,549	5,378	1,171
REPORT TOTALS		4,362	3,593	3,335	-768	258	44,251	33,539	35,170	-10,711	-1,631	0.76	0.95	44,251	35,170	9,080

APPENDIX D: Status Schedule

APPENDIX D: STATUS SCHEDULE - SEPTEMBER 2014

FY14 Oxide Production										2014													
Activity ID		Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Total			485.0d	329.0d	30-Sep-13	30-Sep-13 A	15-Dec-14	23-Sep-15	75.38%														
D1.02.01.D4.03_OP_S Oxide Production Program			484.0d	242.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	23-Sep-15	72.89%														
Oxide34000 Resolve Criticality Safety Concerns with DMO-3 Oxide Conversi			0.0d	0.0d			28-Mar-14	27-Feb-14 A	100%	◆ Resolve Criticality Safety Concerns with DMO-3 Oxide Conversion Unit													
Oxide34010 Complete Design of Simple Pit Disassembly Equipment			0.0d	0.0d			15-Aug-14	03-Apr-14 A	100%	◆ Complete Design of Simple Pit Disassembly Equipment													
Oxide34030 Complete the Installation of the Packaging Line Inner Can Wel			0.0d	0.0d			29-Aug-14	15-May-14 A	100%	◆ Complete the Installation of the Packaging Line Inner													
Oxide34050 Complete all ARIES procedure revisions			0.0d	0.0d			26-Sep-14	02-Jun-14 A	100%	◆ Complete all ARIES procedure revisions													
Oxide34070 PNNL Criticality Safety Analysis complete			0.0d	0.0d			01-Aug-14	02-Jun-14 A	100%	◆ PNNL Criticality Safety Analysis complete													
Oxide34090 FY14/FY15 Revised Work Plan submitted to NA-26			0.0d	0.0d			15-Jul-14	15-Jul-14 A	100%	◆ FY14/FY15 Revised Work Plan su													
Oxide34100 Minimum Capability Plan Complete			0.0d	0.0d			15-Aug-14	15-Aug-14 A	100%	◆ Minimum Capability Pla													
Oxide34040 Complete 3 Ready-to-Ship Submittals			0.0d	0.0d			15-Sep-14	21-Aug-14 A	100%	◆ Complete 3 Ready-to-													
Oxide34170 Legacy Inventory Risk Reduction Plan Complete			0.0d	0.0d			15-Sep-14	17-Sep-14 A	100%	◆ Legacy Inven													
Oxide34110 50 kg Certified Oxide Accepted by MOX Services			0.0d	0.0d			26-Sep-14	29-Sep-14*	0%	◆ 50 kg Ce													
D1.02.01.D4.03_OP_S.01 Operations			484.0d	242.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	23-Sep-15	58.41%														
D1.02.01.D4.03_OP_S.01.01 Pit Disassembly			414.3d	171.5d	01-Oct-13	01-Oct-13 A	26-Sep-14	16-Jun-15	15.34%														
Oxide18830 M&S For Pit Disassembly Oxide Production FY13			242.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%	M&S For													
Oxide28370 Assist with Lathe Repair			82.5d	0.0d	02-Jan-14	08-Jan-14 A	30-Apr-14	26-Sep-14 A	100%	Assist with													
Oxide12080 Disassemble Pits (Blend Lot #57)			10.0d	10.0d	08-Jan-14	29-Sep-14	23-Jan-14	14-Oct-14	0%	Disa													
Oxide9680 Disassemble Pits (Blend Lot #58)			10.0d	10.0d	27-Jan-14	15-Oct-14	10-Feb-14	29-Oct-14	0%														
Oxide13680 Disassemble Pits (Blend Lot #59)			10.0d	10.0d	11-Feb-14	30-Oct-14	26-Feb-14	17-Nov-14	0%														
Oxide13880 Disassemble Pits (Blend Lot #60)			10.0d	10.0d	27-Feb-14	18-Nov-14	13-Mar-14	03-Dec-14	0%														
Oxide16280 Disassemble Pits (Blend Lot #61)			10.0d	10.0d	17-Mar-14	04-Dec-14	27-Mar-14	17-Dec-14	0%														
Oxide17880 Disassemble Pits (Blend Lot #62)			10.0d	10.0d	31-Mar-14	18-Dec-14	14-Apr-14	12-Jan-15	0%														
Oxide16480 Disassemble Pits (Blend Lot #63)			10.0d	10.0d	15-Apr-14	13-Jan-15	29-Apr-14	28-Jan-15	0%														
Oxide16680 Disassemble Pits (Blend Lot #64)			10.0d	10.0d	01-May-14	02-Feb-15	15-May-14	17-Feb-15	0%														
Oxide18280 Disassemble Pits (Blend Lot #65)			10.0d	10.0d	19-May-14	18-Feb-15	03-Jun-14	04-Mar-15	0%														
Oxide15280 Disassemble Pits (Blend Lot #66)			10.0d	10.0d	05-Jun-14	09-Mar-15	19-Jun-14	23-Mar-15	0%														
Oxide16880 Disassemble Pits (Blend Lot #67)			10.0d	10.0d	24-Jun-14	25-Mar-15	07-Jul-14	07-Apr-15	0%														
Oxide17080 Disassemble Pits (Blend Lot #68)			10.0d	10.0d	09-Jul-14	09-Apr-15	23-Jul-14	23-Apr-15	0%														
Oxide2202 Disassemble Pits (Blend Lot #69)			10.0d	10.0d	28-Jul-14	28-Apr-15	11-Aug-14	12-May-15	0%														
Oxide2402 Disassemble Pits (Blend Lot #70)			10.0d	10.0d	12-Aug-14	13-May-15	26-Aug-14	28-May-15	0%														
Oxide1962 Disassemble Pits (Blend Lot #71)			10.0d	10.0d	28-Aug-14	02-Jun-15	15-Sep-14	16-Jun-15	0%														
D1.02.01.D4.03_OP_S.01.02 Material Shipping and Receiving			484.0d	242.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	23-Sep-15	44.13%														
Oxide18840 Material Storage and Maintenance of Containers and other Sto			242.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%	Material S													
Oxide18870 M&S For Material Shipping, Receiving & Handling FY14			242.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%	M&S For													
Oxide18840A Material Storage and Maintenance of Containers - NPI Remova			1.0d	0.0d	27-Jan-14	27-Jan-14 A	27-Jan-14	27-Jan-14 A	100%	Material Storage and Maintenance of Containers - NPI Removal - BCR PSM 14-029													
Oxide18840A1 Material Storage and Maintenance of Containers - NPI-7 Materi			171.0d	0.0d	27-Jan-14	27-Jan-14 A	26-Sep-14	26-Sep-14 A	100%	Material S													
Oxide18840AA Material Storage and Maintenance of Containers - NPI-1 Materi			171.0d	0.0d	27-Jan-14	27-Jan-14 A	26-Sep-14	11-Feb-14 A	100%	Material Storage and Maintenance of Containers - NPI-1 Material - BCR PSM-14-02													
Oxide18855 Perform baseline radiography (NDA) on Can Sets - FY14			242.0d	242.0d	01-Oct-13	29-Sep-14*	26-Sep-14	23-Sep-15	0%														
Oxide18861 Shipping & receiving support by NPI-1 - FY14			242.0d	242.0d	01-Oct-13	29-Sep-14*	26-Sep-14	23-Sep-15	0%														
D1.02.01.D4.03_OP_S.01.02.1 Ready to Ship			242.0d	0.0d	01-Oct-13	01-Oct-13 A	24-Feb-14	26-Sep-14 A	100%														
Oxide18918 LASO Reviews Books and Loading of Shipping Containers (Lot:			39.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Nov-13	07-Feb-14 A	100%	LASO Reviews Books and Loading of Shipping Containers (Lots #31-40)													
Oxide18898 LASO Reviews Books and Loading of Shipping Containers (Lot:			45.0d	0.0d	01-Oct-13	01-Oct-13 A	06-Dec-13	07-Feb-14 A	100%	LASO Reviews Books and Loading of Shipping Containers (Lots #12-17)													
Oxide18918A LASO Reviews Books and Loading of Shipping Containers (Lot:			1.0d	0.0d	27-Jan-14	27-Jan-14 A	27-Jan-14	27-Jan-14 A	100%	LASO Reviews Books and Loading of Shipping Containers (Lots #31-40) Remove Scope													
Oxide18898A LASO Reviews Books and Loading of Shipping Containers (Lot:			1.0d	0.0d	27-Jan-14	27-Jan-14 A	27-Jan-14	27-Jan-14 A	100%	LASO Reviews Books and Loading of Shipping Containers (Lots #12-17) Remove Scope													
Oxide18898B LASO Reviews Books and Loading of Shipping Containers (Lot:			1.0d	0.0d	24-Feb-14	26-Sep-14 A	24-Feb-14	26-Sep-14 A	100%	LASO Re													
Oxide18918B LASO Reviews Books and Loading of Shipping Containers (Lot:			1.0d	0.0d	24-Feb-14	26-Sep-14 A	24-Feb-14	26-Sep-14 A	100%	LASO Re													
D1.02.01.D4.03_OP_S.01.02.2 ARIES Oxide Cage			174.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	72.78%														
D1.02.01.D4.03_OP_S.01.02.2.1 Process Equipment Design			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
D1.02.01.D4.03_OP_S.01.02.2.1.1 General Project Management			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Project Management Support			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Project Controls			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Quality Assurance			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Administration/Records Support			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
D1.02.01.D4.03_OP_S.01.02.2.1.2 Engineering Support			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Project Engineer			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Design Authority			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Mechanical SE			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
CAGE1 Structural SE			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														
D1.02.01.D4.03_OP_S.01.02.2.1.3 Construction Management			87.0d	87.0d	02-May-14	02-May-14 A	26-Sep-14	12-Feb-15	100%														

Remaining Level of Effort

Actual Work

Critical Remaining Work

S

Actual Level of Effort

Remaining Work

◆

 Milestone

Page 1 of 25

TASK filter: FY14 Only Oxide Production.

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 Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 S

Actual Level of Effort
 Remaining Work
 Milestone

FY14 Oxide Production										2014												06-Oct-14 13:32	
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
CAGE1540	Ensure Final Field Conditions Match the Design (*based on ave	2.0d	2.0d	27-Aug-14	01-Dec-14	29-Aug-14	02-Dec-14	0%															
	CAGE1550	Obtain Work Package Information Required for DCF Close Out	3.0d	3.0d	29-Aug-14	03-Dec-14	04-Sep-14	05-Dec-14	0%														
	CAGE1560	Provide Copy of FCRs to Design As-Built Group	1.0d	1.0d	04-Sep-14	08-Dec-14	05-Sep-14	08-Dec-14	0%														
	CAGE1570	Update All Priority Drawings to Reflect As-Built Conditions	5.0d	5.0d	05-Sep-14	09-Dec-14	12-Sep-14	15-Dec-14	0%														
	CAGE1580	Ensure Impacted Documents are Revised / New Documents are	1.0d	1.0d	12-Sep-14	16-Dec-14	15-Sep-14	16-Dec-14	0%														
	CAGE1590	Gather Final Close Out Documents & Route for Signatures	1.0d	1.0d	15-Sep-14	17-Dec-14	16-Sep-14	17-Dec-14	0%														
	CAGE1600	Attach Completed PMT to DCF Database	1.0d	1.0d	16-Sep-14	18-Dec-14	17-Sep-14	18-Dec-14	0%														
	CAGE1610	Send DCF to CM for Close Out	2.0d	2.0d	17-Sep-14	19-Dec-14	19-Sep-14	22-Dec-14	0%														
	CAGE1620	Initiate Workflow for Section 11.0, DCF Close out	5.0d	5.0d	19-Sep-14	23-Dec-14	26-Sep-14	07-Jan-15	0%														
	CAGE1630	DCF Close Out Complete Milestone	0.0d	0.0d			26-Sep-14	12-Feb-15	0%														
	D1.02.01.D4.03 OP S.01.02.23 Oxide Production - Non-SNM Disposition		0.0d	0.0d					0%														
	D1.02.01.D4.03 OP S.01.03 Pu Conversion		421.0d	179.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	24-Jun-15	9.66%														
	Oxide18880	M&S For DMO Oxide Production FY13	242.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%														
	Oxide12370	Complete and Verify Blend Sheet (Blend Lot #55)	2.0d	2.0d	08-Jan-14	29-Sep-14*	09-Jan-14	30-Sep-14	0%														
	Oxide11090	Oxide / Calcine oxide (Blend Lot #56)	12.0d	12.0d	08-Jan-14	29-Sep-14*	27-Jan-14	15-Oct-14	0%														
	Oxide34450	LVCCWS	1.0d	1.0d	15-Sep-14	29-Sep-14*	15-Sep-14	29-Sep-14	0%														
	Oxide12090	Oxide / Calcine oxide (Blend Lot #57)	8.0d	8.0d	27-Jan-14	15-Oct-14	05-Feb-14	27-Oct-14	0%														
	Oxide10450	Inventory Downtime (Blend Lot #56)	2.0d	2.0d	27-Jan-14	15-Oct-14	29-Jan-14	20-Oct-14	0%														
	Oxide12380	Complete and Verify Blend Sheet (Blend Lot #56)	2.0d	2.0d	29-Jan-14	20-Oct-14	30-Jan-14	21-Oct-14	0%														
	Oxide9690	Oxide / Calcine oxide (Blend Lot #58)	8.0d	8.0d	05-Feb-14	27-Oct-14	18-Feb-14	05-Nov-14	0%														
	Oxide12100	Inventory Downtime (Blend Lot #57)	2.0d	2.0d	06-Feb-14	28-Oct-14	10-Feb-14	29-Oct-14	0%														
	Oxide12390	Complete and Verify Blend Sheet (Blend Lot #57)	2.0d	2.0d	10-Feb-14	29-Oct-14	12-Feb-14	03-Nov-14	0%														
	Oxide9700	Inventory Downtime (Blend Lot #58)	2.0d	2.0d	18-Feb-14	05-Nov-14	20-Feb-14	10-Nov-14	0%														
	Oxide16240	Complete and Verify Blend Sheet (Blend Lot #58)	2.0d	2.0d	20-Feb-14	10-Nov-14	24-Feb-14	12-Nov-14	0%														
Oxide13690	Oxide / Calcine oxide (Blend Lot #59)	8.0d	8.0d	24-Feb-14	12-Nov-14	05-Mar-14	24-Nov-14	0%															
Oxide13700	Inventory Downtime (Blend Lot #59)	2.0d	2.0d	05-Mar-14	24-Nov-14	06-Mar-14	25-Nov-14	0%															
Oxide12710	Complete and Verify Blend Sheet (Blend Lot #59)	2.0d	2.0d	10-Mar-14	26-Nov-14	11-Mar-14	01-Dec-14	0%															
Oxide13890	Oxide / Calcine oxide (Blend Lot #60)	8.0d	8.0d	10-Mar-14	26-Nov-14	20-Mar-14	10-Dec-14	0%															
Oxide13900	Inventory Downtime (Blend Lot #60)	2.0d	2.0d	20-Mar-14	10-Dec-14	24-Mar-14	11-Dec-14	0%															
Oxide12720	Complete and Verify Blend Sheet (Blend Lot #60)	2.0d	2.0d	24-Mar-14	11-Dec-14	26-Mar-14	16-Dec-14	0%															
Oxide16290	Oxide / Calcine oxide (Blend Lot #61)	8.0d	8.0d	25-Mar-14	15-Dec-14	03-Apr-14	24-Dec-14	0%															
Oxide16300	Inventory Downtime (Blend Lot #61)	2.0d	2.0d	07-Apr-14	05-Jan-15	08-Apr-14	06-Jan-15	0%															
Oxide12730	Complete and Verify Blend Sheet (Blend Lot #61)	2.0d	2.0d	08-Apr-14	06-Jan-15	10-Apr-14	08-Jan-15	0%															
Oxide17890	Oxide / Calcine oxide (Blend Lot #62)	8.0d	8.0d	09-Apr-14	07-Jan-15	21-Apr-14	20-Jan-15	0%															
Oxide17900	Inventory Downtime (Blend Lot #62)	2.0d	2.0d	21-Apr-14	20-Jan-15	23-Apr-14	22-Jan-15	0%															
Oxide12740	Complete and Verify Blend Sheet (Blend Lot #62)	2.0d	2.0d	23-Apr-14	22-Jan-15	24-Apr-14	26-Jan-15	0%															
Oxide16490	Oxide / Calcine oxide (Blend Lot #63)	7.0d	7.0d	24-Apr-14	26-Jan-15	05-May-14	03-Feb-15	0%															
Oxide16500	Inventory Downtime (Blend Lot #63)	15.0d	15.0d	05-May-14	03-Feb-15	27-May-14	25-Feb-15	0%															
Oxide16690	Oxide / Calcine oxide (Blend Lot #64)	8.0d	8.0d	12-May-14	10-Feb-15	22-May-14	24-Feb-15	0%															
Oxide16700	Inventory Downtime (Blend Lot #64)	2.0d	2.0d	22-May-14	24-Feb-15	27-May-14	25-Feb-15	0%															
Oxide12750	Complete and Verify Blend Sheet (Blend Lot #63)	2.0d	2.0d	27-May-14	25-Feb-15	29-May-14	02-Mar-15	0%															
Oxide12745	Complete and Verify Blend Sheet (Blend Lot #64)	2.0d	2.0d	27-May-14	25-Feb-15	29-May-14	02-Mar-15	0%															
Oxide18290	Oxide / Calcine oxide (Blend Lot #65)	8.0d	8.0d	29-May-14	02-Mar-15	10-Jun-14	11-Mar-15	0%															
Oxide18300	Inventory Downtime (Blend Lot #65)	2.0d	2.0d	10-Jun-14	11-Mar-15	12-Jun-14	16-Mar-15	0%															
Oxide12775	Complete and Verify Blend Sheet (Blend Lot #65)	2.0d	2.0d	12-Jun-14	16-Mar-15	16-Jun-14	17-Mar-15	0%															
Oxide15290	Oxide / Calcine oxide (Blend Lot #66)	8.0d	8.0d	17-Jun-14	18-Mar-15	26-Jun-14	30-Mar-15	0%															
Oxide15300	Inventory Downtime (Blend Lot #66)	2.0d	2.0d	26-Jun-14	30-Mar-15	30-Jun-14	31-Mar-15	0%															
Oxide12790	Complete and Verify Blend Sheet (Blend Lot #66)	2.0d	2.0d	01-Jul-14	01-Apr-15	02-Jul-14	02-Apr-15	0%															
Oxide16890	Oxide / Calcine oxide (Blend Lot #67)	8.0d	8.0d	02-Jul-14	02-Apr-15	14-Jul-14	14-Apr-15	0%															
Oxide16900	Inventory Downtime (Blend Lot #67)	2.0d	2.0d	15-Jul-14	15-Apr-15	16-Jul-14	16-Apr-15	0%															
Oxide12755	Complete and Verify Blend Sheet (Blend Lot #67)	2.0d	2.0d	16-Jul-14	16-Apr-15	21-Jul-14	21-Apr-15	0%															
Oxide17090	Oxide / Calcine oxide (Blend Lot #68)	8.0d	8.0d	21-Jul-14	21-Apr-15	30-Jul-14	30-Apr-15	0%															
Oxide17100	Inventory Downtime (Blend Lot #68)	2.0d	2.0d	30-Jul-14	30-Apr-15	04-Aug-14	05-May-15	0%															
Oxide1475	Oxide / Calcine oxide (Blend Lot #69)	8.0d	8.0d	05-Aug-14	06-May-15	18-Aug-14	19-May-15	0%															
Oxide1287	Inventory Downtime (Blend Lot #69)	2.0d	2.0d	18-Aug-14	19-May-15	19-Aug-14	20-May-15	0%															
Oxide6975	Oxide / Calcine oxide (Blend Lot #70)	8.0d	8.0d	21-Aug-14	26-May-15	03-Sep-14	04-Jun-15	0%															
Oxide1387	Inventory Downtime (Blend Lot #70)	2.0d	2.0d	03-Sep-14	04-Jun-15	08-Sep-14	09-Jun-15	0%															
Oxide5875	Oxide / Calcine oxide (Blend Lot #71)	8.0d	8.0d	09-Sep-14	10-Jun-15	22-Sep-14	23-Jun-15	0%															
Oxide1167	Inventory Downtime (Blend Lot #71)	2.0d	2.0d	22-Sep-14	23-Jun-15	23-Sep-14	24-Jun-15	0%															

FY14 Oxide Production									06-Oct-14 13:32														
Activity ID		Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete					2014									
										Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
		D1.02.01.D4.03 OP S.01.03.1 DMO-3 Operability	0.0d	0.0d					0%														
		D1.02.01.D4.03 OP S.01.03.2 DMO-3 Staffing	0.0d	0.0d						0%													
		D1.02.01.D4.03 OP S.01.03.3 DMO-3 AET Efforts	0.0d	0.0d						0%													
		D1.02.01.D4.03 OP S.01.04 Packaging	416.8d	174.8d	01-Oct-13	01-Oct-13 A	26-Sep-14	18-Jun-15	63.78%														
		Oxide19080	Perform ICAN Electrodecon Support	241.3d	0.0d	01-Oct-13	01-Oct-13 A	25-Sep-14	20-Jun-14 A	100%													
		Oxide22010	Design RIPS Replacement Gripper and Automated Height Gau	160.0d	32.0d	13-Jan-14	01-Oct-13 A	27-Aug-14	13-Nov-14	80%													
		Oxide22030	Maintain Controlled Storage for 3013 Containers FY14	241.1d	0.0d	01-Oct-13	01-Oct-13 A	25-Sep-14	25-Sep-14 A	100%													
		Oxide-MS480	M&S For ICAN Oxide Production FY14	242.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%													
		Oxide22008	Quality Support of Packaging - BCR PSM-14-016	192.0d	0.0d	16-Dec-13	16-Dec-13 A	26-Sep-14	26-Sep-14 A	100%													
		Oxide22009a	Module Specific Engineering Support - BCR PSM-14-019	192.0d	0.0d	16-Dec-13	16-Dec-13 A	26-Sep-14	26-Sep-14 A	100%													
		Oxide22011	Procurement and Installation Support Inner/Outter Can Welder	1.0d	0.0d	24-Jan-14	08-Jan-14 A	24-Jan-14	19-Sep-14 A	100%													
		Oxide22009	Increase in Allocations - BCR PSM-14-017	191.0d	0.0d	16-Dec-13	03-Feb-14 A	25-Sep-14	23-Oct-14 A	100%													
		Oxide22012	XM System Training - BCR-PSM-14-018	10.0d	0.0d	27-Jan-14	10-Feb-14 A	07-Feb-14	14-Feb-14 A	100%													
		Oxide27250	Perform Verification Weld Metalography #1	5.0d	5.0d	02-Jun-14	29-Sep-14*	05-Jun-14	02-Oct-14	0%													
		Oxide27260	Perform Verification Weld Metalography #2	5.0d	5.0d	11-Aug-14	06-Oct-14*	14-Aug-14	09-Oct-14	0%													
		Oxide10990	Return Recycle Oxide to Vault (Blend Lot #54)	2.0d	2.0d	16-Jan-14	07-Oct-14	22-Jan-14	09-Oct-14	0%													
		Oxide15180	Package oxide (Blend Lot #55)	10.0d	10.0d	27-Jan-14	15-Oct-14	10-Feb-14	29-Oct-14	0%													
		Oxide11480	Package oxide (Blend Lot #56)	10.0d	10.0d	13-Feb-14	04-Nov-14	03-Mar-14	19-Nov-14	0%													
		Oxide15190	Return Recycle Oxide to Vault (Blend Lot #55)	2.0d	2.0d	20-Feb-14	10-Nov-14	24-Feb-14	12-Nov-14	0%													
		Oxide12180	Package oxide (Blend Lot #57)	10.0d	10.0d	25-Feb-14	13-Nov-14	11-Mar-14	01-Dec-14	0%													
		Oxide12270	Package oxide (Blend Lot #58)	10.0d	10.0d	12-Mar-14	02-Dec-14	26-Mar-14	16-Dec-14	0%													
		Oxide10490	Return Recycle Oxide to Vault (Blend Lot #56)	2.0d	2.0d	12-Mar-14	02-Dec-14	13-Mar-14	03-Dec-14	0%													
		Oxide13780	Package oxide (Blend Lot #59)	10.0d	10.0d	20-Mar-14	10-Dec-14	03-Apr-14	24-Dec-14	0%													
		Oxide12190	Return Recycle Oxide to Vault (Blend Lot #57)	2.0d	2.0d	20-Mar-14	10-Dec-14	24-Mar-14	11-Dec-14	0%													
		Oxide13980	Package oxide (Blend Lot #60)	10.0d	10.0d	07-Apr-14	05-Jan-15	17-Apr-14	15-Jan-15	0%													
		Oxide11300	Return Recycle Oxide to Vault (Blend Lot #58)	2.0d	2.0d	07-Apr-14	05-Jan-15	08-Apr-14	06-Jan-15	0%													
		Oxide13790	Return Recycle Oxide to Vault (Blend Lot #59)	2.0d	2.0d	14-Apr-14	12-Jan-15	16-Apr-14	14-Jan-15	0%													
		Oxide16380	Package oxide (Blend Lot #61)	10.0d	10.0d	22-Apr-14	21-Jan-15	06-May-14	04-Feb-15	0%													
		Oxide13990	Return Recycle Oxide to Vault (Blend Lot #60)	2.0d	2.0d	05-May-14	03-Feb-15	06-May-14	04-Feb-15	0%													
		Oxide17980	Package oxide (Blend Lot #62)	10.0d	10.0d	06-May-14	04-Feb-15	20-May-14	19-Feb-15	0%													
		Oxide16390	Return Recycle Oxide to Vault (Blend Lot #61)	2.0d	2.0d	20-May-14	19-Feb-15	22-May-14	24-Feb-15	0%													
		Oxide17990	Return Recycle Oxide to Vault (Blend Lot #62)	2.0d	2.0d	04-Jun-14	05-Mar-15	09-Jun-14	10-Mar-15	0%													
		Oxide16580	Package oxide (Blend Lot #63)	10.0d	10.0d	12-Jun-14	16-Mar-15	26-Jun-14	30-Mar-15	0%													
		Oxide16780	Package oxide (Blend Lot #64)	10.0d	10.0d	12-Jun-14	16-Mar-15	26-Jun-14	30-Mar-15	0%													
		Oxide18380	Package oxide (Blend Lot #65)	10.0d	10.0d	01-Jul-14	01-Apr-15	14-Jul-14	14-Apr-15	0%													
		Oxide16590	Return Recycle Oxide to Vault (Blend Lot #63)	2.0d	2.0d	10-Jul-14	13-Apr-15	14-Jul-14	14-Apr-15	0%													
		Oxide16790	Return Recycle Oxide to Vault (Blend Lot #64)	2.0d	2.0d	10-Jul-14	13-Apr-15	14-Jul-14	14-Apr-15	0%													
		Oxide15380	Package oxide (Blend Lot #66)	10.0d	10.0d	16-Jul-14	16-Apr-15	30-Jul-14	30-Apr-15	0%													
		Oxide18390	Return Recycle Oxide to Vault (Blend Lot #65)	2.0d	2.0d	29-Jul-14	29-Apr-15	30-Jul-14	30-Apr-15	0%													
		Oxide16980	Package oxide (Blend Lot #67)	10.0d	10.0d	04-Aug-14	05-May-15	18-Aug-14	19-May-15	0%													
		Oxide15390	Return Recycle Oxide to Vault (Blend Lot #66)	2.0d	2.0d	13-Aug-14	14-May-15	18-Aug-14	19-May-15	0%													
		Oxide17180	Package oxide (Blend Lot #68)	10.0d	10.0d	18-Aug-14	19-May-15	02-Sep-14	03-Jun-15	0%</

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TASK filter: FY14 Only Oxide Production.
(c) Primavera Systems, Inc.

Oxide13960	Perform Blend Batch and Sample (Blend Lot #60)	7.0d	7.0d	26-Mar-14	16-Dec-14	03-Apr-14	24-Dec-14	0%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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FY14 Oxide Production										2014												
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Oxide28760	NPI-8 Support and Consumables/Procurements	182.5d	0.0d	07-Jan-14	07-Jan-14 A	25-Sep-14	25-Sep-14 A	100%														NPI-8 Sup
D1.02.01.D4.03 OP S.01.10.01 Certification of Lot #38M		246.0d	4.0d	01-Oct-13	01-Oct-13 A	06-Mar-14	02-Oct-14	100%														02-Oct-
Oxide12235	Review MOX Serveillance Comments	10.0d	0.0d	01-Oct-13	01-Oct-13 A	15-Oct-13	15-Oct-13 A	100%														
Oxide28440	Review and Correct Blend Book #38M	55.0d	0.0d	01-Oct-13	01-Oct-13 A	19-Dec-13	21-Mar-14 A	100%														
Oxide28430	Develop and Issue NCR(s) Associated with Lot #38M	62.0d	0.0d	16-Oct-13	16-Oct-13 A	15-Jan-14	21-Feb-14 A	100%														
Oxide12250	Produce QA Documentation for Cans (20 points / GSR Require	10.0d	0.0d	16-Jan-14	16-Jan-14 A	30-Jan-14	25-Jul-14 A	100%														
Oxide12260	Produce QA Documentation for Cans (CoA/CoC) (Blend Lot #3	10.0d	0.0d	03-Feb-14	24-Jan-14 A	13-Feb-14	25-Jul-14 A	100%														
Oxide28420	Production Certification Activity (Blend Lot #38M)	5.0d	0.0d	24-Feb-14	25-Aug-14 A	28-Feb-14	26-Sep-14 A	100%														
Oxide12275	MOX Services Accepts CoC & CoA (Blend Lot #38M)	5.0d	5.0d	03-Mar-14	29-Sep-14	06-Mar-14	02-Oct-14	0%														
Oxide28450	Blend Lot #38M is Certified	0.0d	0.0d			06-Mar-14	02-Oct-14	0%														
D1.02.01.D4.03 OP S.01.10.02 Equipment Upgrades		331.4d	107.4d	01-Oct-13	28-Oct-13 A	25-Sep-14	16-Mar-15	46.79%														
D1.02.01.D4.03 OP S.01.10.02.1 Tantalum Catch Pan		224.0d	0.0d	01-Oct-13	28-Oct-13 A	08-May-14	29-Sep-14	100%														
Oxide2841	Establish Equipment Additions/Mods to Support Oxide Producti	8.0d	0.0d	01-Oct-13	28-Oct-13 A	10-Oct-13	26-Nov-13 A	100%														
Oxide2846	Design Tantalum Pan Based on DMO Design	28.0d	0.0d	10-Oct-13	26-Nov-13 A	21-Nov-13	24-Jan-14 A	100%														
Oxide2847	Review, Modify, and Approve Pan Design	14.0d	0.0d	21-Nov-13	16-Dec-13 A	12-Dec-13	15-Jan-14 A	100%														
Oxide2848	Procure Materials and Fabricate Pan	38.0d	0.0d	16-Dec-13	16-Dec-13 A	20-Feb-14	20-Mar-14 A	100%														
Oxide2848	Obtain Safety Basis Approval and Make Necessary TSR/ISI/AB	45.0d	0.0d	20-Feb-14	20-Mar-14 A	20-Mar-14	20-Mar-14 A	100%														
Oxide2848	Procure Materials and Fabricate Pan BCR PSM-14-068	1.3d	0.0d	24-Mar-14	24-Mar-14 A	24-Mar-14	24-Mar-14 A	100%														
Oxide2848	Obtain Safety Basis Approval and Make Necessary TSR/ISI/AB	1.3d	0.0d	24-Mar-14	24-Mar-14 A	24-Mar-14	24-Mar-14 A	100%														
Oxide2851	Tantalum Catch Pan Approved for Operations	0.0d	0.0d			08-May-14	29-Sep-14	0%														
D1.02.01.D4.03 OP S.01.10.02.2 Control System Upgrade		331.4d	107.4d	01-Oct-13	28-Oct-13 A	25-Sep-14	16-Mar-15	47.51%														
Oxide2852	Design and SQA Development	55.0d	5.5d	01-Oct-13	28-Oct-13 A	30-Jan-14	06-Oct-14	90%														
Oxide2852	Construction and Cold Testing	100.0d	48.0d	03-Feb-14	24-Mar-14 A	30-Jun-14	09-Dec-14	52%														
Oxide2855	Installation	60.0d	60.0d	30-Jun-14	09-Dec-14	25-Sep-14	16-Mar-15	0%														
Oxide2856	Control System Ready for Operations	0.0d	0.0d			25-Sep-14	16-Mar-15	0%														
D1.02.01.D4.03 OP S.01.10.02.3 Insulation Barrier		310.0d	86.0d	10-Oct-13	28-Oct-13 A	08-May-14	12-Feb-15	29.99%														
Oxide2857	Develop Requirements and Engineering Documents	30.0d	1.5d	10-Oct-13	28-Oct-13 A	26-Nov-13	30-Sep-14	95%														
Oxide2858	Develop Insulation Barrier Design	29.0d	11.6d	26-Nov-13	24-Feb-14 A	21-Jan-14	15-Oct-14	60%														
Oxide2858	Procure, Fabricate, and Test System	38.0d	38.0d	21-Jan-14	15-Oct-14	17-Mar-14	10-Dec-14	0%														
Oxide2860	Develop DCN to Support Installation	38.0d	38.0d	21-Jan-14	15-Oct-14	17-Mar-14	10-Dec-14	0%														
Oxide2861	Install and Test Insulation Barrier in PF-4	38.0d	38.0d	18-Mar-14	10-Dec-14	08-May-14	12-Feb-15	0%														
Oxide2862	Insulation Barrier Ready for Operations	0.0d	0.0d			08-May-14	12-Feb-15	0%														
D1.02.01.D4.03 OP S.01.10.02.4 Hygrometer		261.6d	58.0d	10-Oct-13	26-Nov-13 A	08-May-14	24-Dec-14	70.18%														
Oxide2863	Develop Requirements and Engineering Documents	30.0d	0.0d	10-Oct-13	26-Nov-13 A	26-Nov-13	12-Dec-13 A	100%														
Oxide2864	Develop Hygrometer Design	29.0d	0.0d	26-Nov-13	16-Dec-13 A	21-Jan-14	23-Jan-14 A	100%														
Oxide2865	Procure, Fabricate, and Test System	38.0d	0.0d	21-Jan-14	21-Jan-14 A	17-Mar-14	20-Feb-14 A	100%														
Oxide2866	Develop DCN to Support Installation	38.0d	20.9d	21-Jan-14	21-Jan-14 A	17-Mar-14	28-Oct-14	45%														
Oxide2867	Install and Test Hygrometer in PF-4	38.0d	38.0d	18-Mar-14	28-Oct-14	08-May-14	24-Dec-14	0%														
Oxide2868	Hygrometer Ready for Operations	0.0d	0.0d			08-May-14	24-Dec-14	0%														
D1.02.01.D4.03 OP S.01.10.03 Develop Oxide Production Procedure		261.1d	48.5d	01-Oct-13	01-Oct-13 A	16-Jun-14	10-Dec-14	61%														
Oxide28750	Existing Procedures Updated During Resumption Pause	58.0d	0.0d	01-Oct-13	01-Oct-13 A	07-Jan-14	25-Jul-14 A	100%														
Oxide28690	Modify Approved MR&R Procedure for Oxide Production Opera	19.0d	0.0d	07-Jan-14	16-Dec-13 A	04-Feb-14	03-Jun-14 A	100%														
Oxide28710	Work with Criticality Safety on Level 1 for Equipment Changes	66.0d	49.5d	04-Feb-14	04-Feb-14 A	08-May-14	10-Dec-14	25%														
Oxide28720	Edit, Review, Approve, and Authorize Procedure	20.8d	4.2d	08-May-14	27-May-14 A	09-Jun-14	02-Oct-14	80%														
Oxide28700	Review and Approve Procedure with MOX Services	19.0d	19.0d	04-Feb-14	29-Sep-14	04-Mar-14	27-Oct-14	0%														
Oxide28740	Oxide Production Muffle Furnace Procedure Authorized for Ope	0.0d	0.0d			16-Jun-14	29-Sep-14	0%														
D1.02.01.D4.03 OP S.01.10.04 Certification of Lot XX+1		31.5d	31.5d	27-May-14	29-Sep-14	03-Sep-14	13-Nov-14	0%														
Oxide33430	Complete and Verify Blend Sheet	2.0d	2.0d	21-Jul-14	29-Sep-14	22-Jul-14	30-Sep-14	0%														
Oxide33480	Receive Pits from vault (Blend Lot XX+1)	1.0d	1.0d	27-May-14	29-Sep-14*	27-May-14	29-Sep-14	0%														
Oxide33560	Build Blend Lot Books	30.0d	30.0d	22-Jul-14	30-Sep-14	03-Sep-14	13-Nov-14	0%														
D1.02.01.D4.03 OP S.01.10.05 Certification of Lot XX+2		0.8d	0.8d	04-Aug-14	29-Sep-14	04-Aug-14	29-Sep-14	0%														
Oxide33640	Receive Pits from vault (Blend Lot XX+2)	1.0d	1.0d	04-Aug-14	29-Sep-14*	04-Aug-14	29-Sep-14	0%														
D1.02.01.D4.03 OP S.01.10.06 Certification of Lot XX+3		0.0d	0.0d					0%														
D1.02.01.D4.03 OP S.01.11 2nd Mill & Blend Shielding Installation		72.0d	0.0d	01-Oct-13	01-Oct-13 A	08-Oct-13	27-Jan-14 A	100%														
Shield210	Cut Cladding to Size	2.0d	0.0d	01-Oct-13	01-Oct-13 A	02-Oct-13	02-Oct-13 A	100%														
Shield220	Attach Cladding to HDPE	3.0d	0.0d	03-Oct-13	05-Nov-13 A	07-Oct-13	20-Nov-13 A	100%														
Shield200	Anchors Installed	0.0d	0.0d			01-Oct-13	18-Nov-13 A	100%														
Shield250	Shielding Contingency	1.0d	0.0d	08-Oct-13	20-Nov-13 A	08-Oct-13	27-Jan-14 A	100%														
Shield900	Cladding Installed and Shielding Installation Complete	0.0d	0.0d			08-Oct-13	27															

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FY14 Oxide Production										2014												06-Oct-14 13:32	
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
D1.02.01.D4.03_OP.04.02_S.1.8 General Project Management	DD1360	Nov. SME Support Adjustment	4.0d	0.0d	04-Nov-13	04-Nov-13 A	07-Nov-13	07-Nov-13 A	100%			■ Nov. SME Support Adjustment											
	DD1370	Dec. SME Support Adjustment	4.0d	0.0d	09-Dec-13	09-Dec-13 A	12-Dec-13	12-Dec-13 A	100%			■ Dec. SME Support Adjustment											
	DD1380	Jan. SME Support Adjustment	4.0d	0.0d	06-Jan-14	06-Jan-14 A	09-Jan-14	09-Jan-14 A	100%				■ Jan. SME Support Adjustment										
	DD1390	Feb. SME Support Adjustment	4.0d	0.0d	03-Feb-14	03-Feb-14 A	06-Feb-14	06-Feb-14 A	100%					■ Feb. SME Support Adjustment									
	DD1400	Mar. SME Support Adjustment	4.0d	0.0d	03-Mar-14	03-Mar-14 A	06-Mar-14	06-Mar-14 A	100%						■ Mar. SME Support Adjustment								
	DD1410	Apr. SME Support Adjustment	4.0d	0.0d	07-Apr-14	07-Apr-14 A	10-Apr-14	10-Apr-14 A	100%							■ Apr. SME Support Adjustment							
	DD1420	May SME Support Adjustment	4.0d	0.0d	05-May-14	05-May-14 A	08-May-14	08-May-14 A	100%								■ May SME Support Adjustment						
	D1.02.01.D4.03_OP.04.02_S.1.8 General Project Management		0.0d	0.0d					0%														
	D1.02.01.D4.03_OP.04.02_S.1.10 Engineering Support		102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	BCR0500	Project Engineer	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	BCR0510	Design Authority	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339090	GB Engineer	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339100	HVAC SE	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339110	Mechanical SE	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339120	Electrical SE	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339130	Structural SE	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339140	Fire Safety SE	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339150	Pressure Safety SME	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339160	SME Management	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	A11339280	Rad Protection	102.0d	0.0d	05-May-14	05-May-14 A	26-Sep-14	26-Sep-14 A	100%														
	D1.02.01.D4.03_OP.04.02_S.1.9 Project Doc. Development		136.0d	34.0d	05-May-14	05-May-14 A	11-Aug-14	17-Nov-14	0%														
	BCR0520	Obtain Project ID	1.0d	0.0d	05-May-14	05-May-14 A	05-May-14	06-May-14 A	100%														
	BCR0530	Revise Statement of Need	2.0d	0.0d	06-May-14	06-May-14 A	07-May-14	07-May-14 A	100%														
	BCR0540	Submit Engineering Service Request (ESR)	0.0d	0.0d			07-May-14	07-May-14 A	100%														
	BCR0550	Revise Design Requirements (RCD)	20.0d	2.0d	08-May-14	08-May-14 A	05-Jun-14	30-Sep-14	90%														
	BCR0590	Revise TS&R	15.0d	4.0d	09-Jun-14	22-May-14 A	27-Jun-14	02-Oct-14	75%														
	BCR0560	RCD Review	1.0d	1.0d	06-Jun-14	19-Jun-14 A	06-Jun-14	29-Sep-14	75%														
	BCR0570	Finalize RCD	1.0d	1.0d	09-Jun-14	30-Sep-14	09-Jun-14	30-Sep-14	0%														
	BCR0580	RCD Back check and final approval	5.0d	5.0d	10-Jun-14	01-Oct-14	16-Jun-14	07-Oct-14	0%														
	BCR0600	Review and approve TS&R	5.0d	5.0d	30-Jun-14	03-Oct-14	07-Jul-14	09-Oct-14	0%														
	BCR0610	PR-ID entered and assessed for impacts	5.0d	5.0d	08-Jul-14	10-Oct-14	14-Jul-14	17-Oct-14	0%														
	BCR0620	PR-ID Closeout	2.0d	2.0d	15-Jul-14	20-Oct-14	16-Jul-14	21-Oct-14	0%														
	BCR0630	Assess Funding Determination Form (FDF)	5.0d	5.0d	17-Jul-14	22-Oct-14	23-Jul-14	28-Oct-14	0%														
	BCR0640	Submit FDF for Review	2.0d	2.0d	24-Jul-14	29-Oct-14	25-Jul-14	30-Oct-14	0%														
	BCR0650	FDF Approved	1.0d	1.0d	28-Jul-14	31-Oct-14	28-Jul-14	31-Oct-14	0%														
	BCR0660	Develop Fire Hazards Analysis (FHA)	5.0d	5.0d	29-Jul-14	03-Nov-14	04-Aug-14	07-Nov-14	0%														
	BCR0670	Complete FHA for Review	5.0d	5.0d	05-Aug-14	10-Nov-14	11-Aug-14	17-Nov-14	0%														
	D1.02.01.D4.03_OP.04.02_S.2 ARIES Pit Cutter		298.0d	56.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	19-Dec-14	82.35%														
	D1.02.01.D4.03_OP.04.02_S.2.2 Requirements Identification		252.0d	0.0d	01-Oct-13	01-Oct-13 A	26-Sep-14	26-Sep-14 A	100%														
	A1000	Identify & Secure Glovebox Location	13.0d	0.0d	01-Oct-13	01-Oct-13 A	18-Oct-13	22-Nov-13 A	100%														
	HP3-1090	Develop RCD	13.0d	0.0d	01-Oct-13	01-Oct-13 A	18-Oct-13	22-Nov-13 A	100%														
	HP3-1060	Develop TS&R	13.0d	0.0d	01-Oct-13	01-Oct-13 A	18-Oct-13	22-Nov-13 A	100%														
	A1190	TS&R and RCD Revision and Tool Training	229.0d	0.0d	21-Oct-13	04-Nov-13 A	26-Sep-14	26-Sep-14 A	100%														
	HP3-1070	TS&R Complete	0.0d	0.0d			18-Oct-13	22-Nov-13 A	100%														
	HP3-1100	RCD Complete	0.0d	0.0d			18-Oct-13	22-Nov-13 A	100%														
D1.02.01.D4.03_OP.04.02_S.2.3 ARIES Pit Cutter Design		120.0d	0.0d	01-Oct-13	01-Oct-13 A	03-Apr-14	03-Apr-14 A	100%															
A1070	60% Design	55.0d	0.0d	01-Oct-13	01-Oct-13 A	20-Dec-13	20-Dec-13 A	100%															
A1080	60% Design Review	10.0d	0.0d	02-Jan-14	09-Jan-14 A	15-Jan-14	17-Jan-14 A	100%															
A1085	60% DRR Comment Resolution	5.0d	0.0d	16-Jan-14	17-Jan-14 A	23-Jan-14	23-Jan-14 A	100%															
A1090	90% Design	19.0d	0.0d	24-Jan-14	17-Jan-14 A	20-Feb-14	06-Mar-14 A	100%															
A1100	90% Design Review	10.0d	0.0d	21-Feb-14	21-Feb-14 A	06-Mar-14	06-Mar-14 A	100%															
A1105	90% DRR Comment Resolution	5.0d	0.0d	07-Mar-14	17-Mar-14 A	13-Mar-14	24-Mar-14 A	100%															
A1110	100% Design	15.0d	0.0d	14-Mar-14	17-Mar-14 A	03-Apr-14	03-Apr-14 A	100%															
A1165	Complete the Fab Package of Simple Pit Disassembly	0.0d	0.0d			03-Apr-14	03-Apr-14 A	100%															
D1.02.01.D4.03_OP.04.02_S.2.4 Cold Testing		218.0d	23.0d	02-Jan-14	02-Jan-14 A	26-Sep-14	30-Oct-14	75.35%															
A1120	Cold Testing Plan	51.0d	0.0d	02-Jan-14	02-Jan-14 A	17-Mar-14	18-Apr-14 A	100%															
A1140	Prototype Fabrication	26.0d	13.0d	04-Apr-14	19-May-14 A	09-May-14	16-Oct-14	85%															
A1150	Cold Test Plan Execution	44.0d	15.0d	09-May-14	11-Sep-14 A	07-Jul-14	20-Oct-14	60%															
A1160	Update Fabrication Package	43.0d	23.0d	23-Jun-14	11-Sep-14 A	26-Sep-14	30-Oct-14	40%															
D1.02.01.D4.03_OP.04.02_S.2.5 Final Tool Procurement/Fabrication		180.0d	43.0d	21-Feb-14	03-Apr-14 A	26-Sep-14	19-Dec-14	60.04%															
Legend: Remaining Level of Effort (green bar), Actual Work (blue bar), Critical Remaining Work (red bar), Actual Level of Effort (green bar), Remaining Work (green bar), Milestone (diamond), S (square)																							
Page 14 of 25										TASK filter: FY14 Only Oxide Production.												(c) Primavera Systems, Inc.	

 Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 S

 Actual Level of Effort
 Remaining Work
 Milestone

Activity ID		Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	2014									
										Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
		D1.02.01.D4.03_OP.04.02_S.5.08.11 100% Development	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.1 Engineering Support	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.9 Project Doc. Development	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.09 Engineering Services Title III	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.8 DCF Close Out-1	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.11 MD-2 Container Preliminary Design	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.5.10 Glovebox Fabrication	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.6 Glovebox Installation Design	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.6.4 DCF Initiation	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.12 Title III Engineering Service	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.8 Glovebox Installation	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.7 DCF Close Out	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.7.1 Project Management	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.7.2 DCF Close Out	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.4 MSA Readiness	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.02_S.3 BCR	0.0d	0.0d					0%										
		D1.02.01.D4.03_OP.04.04_S MD-2 Shipping/Receiving - Pre	236.0d	2.0d	21-Oct-13	21-Oct-13 A	30-Sep-14	30-Sep-14	98.16%										
		D1.02.01.D4.03_OP.04.04_S.01 Project Management	94.9d	0.0d	21-Oct-13	21-Oct-13 A	19-Mar-14	23-Mar-14 A	100%										
		A1110 Project Initiation	0.0d	0.0d	21-Oct-13	21-Oct-13 A			100%										
		A11338980 Prepare/Submit Engineering Service Request (ESR)	1.0d	0.0d	21-Oct-13	21-Oct-13 A	21-Oct-13	21-Oct-13 A	100%										
		A11338860 Develop Risk Ranking and Activity Request Form	1.0d	0.0d	21-Oct-13	21-Oct-13 A	21-Oct-13	22-Oct-13 A	100%										
		Oxide33350 Project Management through Title I	94.9d	0.0d	21-Oct-13	21-Oct-13 A	19-Mar-14	23-Mar-14 A	100%										
		A1000 Develop Statement of Need	2.0d	0.0d	31-Oct-13	25-Oct-13 A	01-Nov-13	25-Oct-13 A	100%										
		A1010 Submit Statement of Need to Program Management Working E	3.0d	0.0d	04-Nov-13	04-Nov-13 A	06-Nov-13	12-Nov-13 A	100%										
		A1020 Receive Statement of Need Approval	1.0d	0.0d	07-Nov-13	07-Nov-13 A	07-Nov-13	12-Nov-13 A	100%										
		A1030 Develop Technical Specifications and Requirements (TS&R)	9.0d	0.0d	08-Nov-13	08-Nov-13 A	21-Nov-13	14-Jan-14 A	100%										
		A11338830 Prepare Class 5 Estimate	20.0d	0.0d	16-Dec-13	14-Nov-13 A	23-Jan-14	23-Mar-14 A	100%										
		A1070 Develop Requirements Criteria Document (RCD)	10.0d	0.0d	02-Dec-13	14-Nov-13 A	13-Dec-13	17-Jan-14 A	100%										
		A11338840 Prepare/Submit PR-ID	1.0d	0.0d	22-Nov-13	18-Nov-13 A	22-Nov-13	04-Dec-13 A	100%										
		A11338990 Prepare/Obtain Approval Integrated Project Team Memorandum	3.0d	0.0d	21-Oct-13	18-Nov-13 A	23-Oct-13	17-Jan-14 A	100%										
		A11338870 TA-55 CCB meeting to review ranking	3.0d	0.0d	21-Oct-13	18-Nov-13 A	23-Oct-13	19-Nov-13 A	100%										
		A11338850 Respond to PR-ID Comments	1.0d	0.0d	25-Nov-13	19-Nov-13 A	25-Nov-13	05-Dec-13 A	100%										
		A1040 Prepare/Submit/Receive Funding Determination	5.0d	0.0d	24-Oct-13	21-Nov-13 A	30-Oct-13	09-Dec-13 A	100%										
		A11338920 Review/Modify Fire Hazards Analysis (FHA)	10.0d	0.0d	21-Oct-13	07-Jan-14 A	01-Nov-13	23-Mar-14 A	100%										
		A11338890 Review/Modify Preliminary hazards Analysis (PHA)	10.0d	0.0d	21-Oct-13	10-Feb-14 A	01-Nov-13	21-Feb-14 A	100%										
		A11338940 Perform Criticality Assessment	10.0d	0.0d	21-Oct-13	10-Feb-14 A	01-Nov-13	21-Feb-14 A	100%										
		A1050 Submit Technical Specifications and Requirements to PMWB	3.0d	0.0d	22-Nov-13	24-Feb-14 A	26-Nov-13	23-Mar-14 A	100%										
		A1080 Submit Requirements Criteria Document to PMWB	3.0d	0.0d	16-Dec-13	24-Feb-14 A	18-Dec-13	23-Mar-14 A	100%										
		A1060 Receive Technical Specifications and Requirements Approval	1.0d	0.0d	27-Nov-13	27-Feb-14 A	27-Nov-13	23-Mar-14 A	100%										
		A1090 Receive Requirements and Criteria Document Approval	1.0d	0.0d	19-Dec-13	27-Feb-14 A	19-Dec-13	23-Mar-14 A	100%										
		A1100 Project Documents Complete	0.0d	0.0d			23-Jan-14	23-Mar-14 A	100%										
		D1.02.01.D4.03_OP.04.04_S.02 Design	236.0d	2.0d	21-Oct-13	21-Oct-13 A	30-Sep-14	30-Sep-14	97.82%										
		D1.02.01.D4.03_OP.04.04_S.02.1 Preliminary Design	129.1d	2.0d	04-Apr-14	04-Apr-14 A	30-Sep-14	30-Sep-14	97.02%										
		D1.02.01.D4.03_OP.04.04_S.02.1.1 Preliminary Project Documents	12.1d	0.0d	04-Apr-14	04-Apr-14 A	23-Apr-14	23-Apr-14 A	100%										
		Oxide33480 Submit Engineering Service Request (ESR)	1.0d	0.0d	04-Apr-14	04-Apr-14 A	07-Apr-14	11-Apr-14 A	100%										
		Oxide33410 Develop Risk Ranking (RR) and activity request	1.0d	0.0d	07-Apr-14	07-Apr-14 A	08-Apr-14	11-Apr-14 A	100%										
		Oxide33470 Engineering Process ESR	4.0d	0.0d	08-Apr-14	08-Apr-14 A	14-Apr-14	12-Apr-14 A	100%										
		Oxide33370 Project Start	0.0d	0.0d	04-Apr-14	11-Apr-14 A			100%										
		Oxide33400 Engineering Meeting to identify ENG IPY	1.0d	0.0d	14-Apr-14	12-Apr-14 A	15-Apr-14	13-Apr-14 A	100%										
		Oxide33420 CCB Process RR and activity request	4.0d	0.0d	15-Apr-14	15-Apr-14 A	21-Apr-14	17-Apr-14 A	100%										
		Oxide33430 TA-55 Change Control board (CCB) meeting	1.0d	0.0d	21-Apr-14	21-Apr-14 A	22-Apr-14	22-Apr-14 A	100%										
		Oxide33440 Approved RR incorporated into IPL	1.0d	0.0d	22-Apr-14	22-Apr-14 A	23-Apr-14	23-Apr-14 A	100%										
		Oxide33450 Preliminary Project Documents Complete	0.0d	0.0d			23-Apr-14	23-Apr-14 A	100%										
		D1.02.01.D4.03_OP.04.04_S.02.1.2 Preliminary Engineering Activities	34.1d	0.0d	04-Apr-14	04-Apr-14 A	12-May-14	03-Jun-14 A	100%										
		Oxide33680 Prepair procurement documents (Exhibits)	2.0d	0.0d	04-Apr-14	04-Apr-14 A	08-Apr-14	17-Apr-14 A	100%										
		Oxide33460 Enginering Start	0.0d	0.0d	04-Apr-14	10-Apr-14 A			100%										
		Oxide33670 Submit exhibits to design authority (DA)	1.0d	0.0d	08-Apr-14	21-Apr-14 A	09-Apr-14	22-Apr-14 A	100%										
		Oxide33690 DA Develop PMP	10.0d	0.0d	09-Apr-14	22-Apr-14 A	23-Apr-14	03-Jun-14 A	100%										
		Oxide33700 Preform technical evaluation of DA proposal	2.0d	0.0d	23-Apr-14	29-Apr-14 A	25-Apr-14	30-Apr-14 A	100%										
		Oxide33710 ASM prepare contract award package	10.0d	0.0d	25-Apr-14	05-May-14 A	09-May-14	07-May-14 A	100%

FY14 Oxide Production									2014												06-Oct-14 13:32	
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
D1.02.01.D4.03 OP.04.04 S.02.1.3 Develop Preliminary Design	Oxide33530 Preliminary Engineering Activites Complete	0.0d	0.0d			12-May-14	08-May-14 A	100%														
	Oxide33720 Engineering contract award (NTP)	1.0d	0.0d	09-May-14	08-May-14 A	12-May-14	09-May-14 A	100%														
		95.0d	2.0d	12-May-14	08-May-14 A	30-Sep-14	30-Sep-14	96.48%														
	Oxide33790 Design Kick off meeting	1.0d	0.0d	12-May-14	08-May-14 A	13-May-14	21-May-14 A	100%														
	Oxide33540 Design Start	0.0d	0.0d	12-May-14	12-May-14 A			100%														
	Oxide33660 Merrick Contract Support	90.0d	2.0d	12-May-14	27-May-14 A	18-Sep-14	30-Sep-14	97.78%														
	Oxide33770 Project Walk-Down	2.0d	0.0d	13-May-14	27-May-14 A	15-May-14	02-Jun-14 A	100%														
	Oxide33780 Develop 60% Design	30.0d	0.0d	15-May-14	03-Jun-14 A	27-Jun-14	02-Jul-14 A	100%														
	Oxide33580 Review 60% Design	10.0d	0.0d	27-Jun-14	15-Jul-14 A	14-Jul-14	15-Aug-14 A	100%														
	Oxide33590 60% Design Complete	0.0d	0.0d			14-Jul-14	19-Aug-14 A	100%														
	Oxide33760 Develop 90% Design	30.0d	0.0d	14-Jul-14	21-Aug-14 A	25-Aug-14	04-Sep-14 A	100%														
	Oxide33600 Review 90% Design	10.0d	0.0d	25-Aug-14	05-Sep-14 A	09-Sep-14	10-Sep-14 A	100%														
	Oxide33620 90% Design Complete	0.0d	0.0d			09-Sep-14	10-Sep-14 A	100%														
	Oxide33740 Develop 100% Design	10.0d	1.0d	09-Sep-14	11-Sep-14 A	23-Sep-14	29-Sep-14	80%														
	Oxide33730 Submit 100% Design to LANL	1.0d	1.0d	23-Sep-14	30-Sep-14	30-Sep-14	30-Sep-14	0%														
	Oxide33650 Preliminary Design Complete	0.0d	0.0d			30-Sep-14	30-Sep-14	0%														
		114.5d	0.0d	21-Oct-13	21-Oct-13 A	19-Mar-14	10-Apr-14 A	100%														
	Oxide33360 Design Support through Title I	448.0d	0.0d	21-Oct-13	21-Oct-13 A	19-Mar-14	10-Apr-14 A	100%														
	A11338730 Prepare Procurement (Exhibits) Documentation	9.0d	0.0d	21-Oct-13	21-Oct-13 A	31-Oct-13	31-Oct-13 A	100%														
	A11338740 Submit Documentation & Acquire PR Signature Approvals	2.0d	0.0d	21-Oct-13	21-Oct-13 A	22-Oct-13	12-Nov-13 A	100%														
	A11338750 Acquisition Services Management (ASM) Procurement Process	11.0d	0.0d	21-Oct-13	21-Oct-13 A	04-Nov-13	13-Nov-13 A	100%														
	A11338760 Perform Technical Evaluation	2.0d	0.0d	04-Nov-13	04-Nov-13 A	05-Nov-13	14-Nov-13 A	100%														
	A11338770 Prepare Award Package (ASM)	2.0d	0.0d	05-Nov-13	05-Nov-13 A	06-Nov-13	15-Nov-13 A	100%														
	A11338780 Issue Award Document (ASM)	2.0d	0.0d	06-Nov-13	06-Nov-13 A	07-Nov-13	15-Nov-13 A	100%														
	A11338790 Award Title I Contract	2.0d	0.0d	07-Nov-13	07-Nov-13 A	08-Nov-13	15-Nov-13 A	100%														
	A11338800 Prepare 30% Title I Study/Design	22.0d	0.0d	18-Nov-13	21-Nov-13 A	19-Dec-13	06-Jan-14 A	100%														
	Oxide33340 Complete Title I Study/Design	75.9d	0.0d	18-Nov-13	21-Nov-13 A	19-Mar-14	10-Apr-14 A	100%														
	A11339030 Complete 60% Title I Study/Design	22.0d	0.0d	20-Dec-13	07-Jan-14 A	31-Jan-14	18-Feb-14 A	100%														
	A11339040 Complete 90% Title I Study/Design	22.0d	0.0d	03-Feb-14	03-Feb-14 A	05-Mar-14	23-Mar-14 A	100%														
	A11339050 Complete Final Title I Study/Design	10.0d	0.0d	06-Mar-14	02-Apr-14 A	19-Mar-14	10-Apr-14 A	100%														
	A11338820 Title I Study/Design Complete	0.0d	0.0d			19-Mar-14	10-Apr-14 A	100%														
D1.02.01.D4.03 OP.04.04 S.09 Planning Package		156.0d	0.0d	18-Feb-14	24-Feb-14 A	24-Mar-14	25-Mar-14 A	100%														
Oxide33330	MD-2 Container Preliminary Design (Planning Package)	156.0d	0.0d	18-Feb-14	24-Feb-14 A	21-Mar-14	21-Mar-14 A	100%														
Oxide33660-PSM	MD-2 Container Preliminary Design (Planning Package)	25.0d	0.0d	24-Mar-14	24-Mar-14 A	24-Mar-14	25-Mar-14 A	100%														
D1.02.01.D4.03 OP.04.05 S TA55-314 Upgrades		217.0d	107.0d	02-Dec-13	09-Dec-13 A	15-Dec-14	27-Oct-14	48.12%														
Oxide33431	Develop Scope and schedule	3.0d	0.0d	06-Jan-14	09-Dec-13 A	08-Jan-14	13-Dec-13 A	100%														
Oxide33451	Obtain Project ID	1.0d	0.0d	07-Jan-14	09-Dec-13 A	07-Jan-14	16-Dec-13 A	100%														
Oxide33501	Assign IPT	2.0d	0.0d	06-Jan-14	09-Dec-13 A	07-Jan-14	18-Dec-13 A	100%														
Oxide33441	Submit ESR	1.0d	0.0d	06-Jan-14	09-Dec-13 A	06-Jan-14	19-Dec-13 A	100%														
Oxide33331	TA55-314 Upgrades (Planning Package)	10.0d	0.0d	02-Dec-13	06-Jan-14 A	13-Dec-13	07-Jan-14 A	100%														
Oxide34011	TA-55 314 Replan	5.0d	0.0d	02-Jan-14	06-Jan-14 A	08-Jan-14	13-Jan-14 A	100%														
Oxide33341B	Project Management	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33351B	Project Controls	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33361B	QA	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33371	Estimating	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33381	Document Control	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33391	P.E	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33401	SME	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33411	I.H	166.0d	0.0d	06-Jan-14	06-Jan-14 A	23-May-14	23-May-14 A	100%														
Oxide33421	Project Start	0.0d	0.0d	06-Jan-14	06-Jan-14 A			100%														
Oxide33491	Design Kick Off	1.0d	0.0d	29-Jan-14	09-Jan-14 A	29-Jan-14	10-Jan-14 A	100%														
Oxide33461	Develop RCD	8.0d	0.0d	14-Jan-14	14-Jan-14 A	24-Jan-14	23-Jan-14 A	100%														
Oxide33481	DCF Start	1.0d	0.0d	29-Jan-14	20-Jan-14 A	29-Jan-14	21-Jan-14 A	100%														
Oxide33511	Develop Drawings	16.0d	0.0d	22-Jan-14	22-Jan-14 A	12-Feb-14	14-Feb-14 A	100%														
Oxide33471	Review and Approve RCD	2.0d	0.0d	27-Jan-14	27-Jan-14 A	28-Jan-14	29-Jan-14 A	100%														
Oxide33521	Develop Specifications	5.0d	0.0d	30-Jan-14	27-Jan-14 A	05-Feb-14	31-Jan-14 A	100%														
Oxide33551	LANL Review Period	10.0d	0.0d	06-Feb-14	03-Feb-14 A	20-Feb-14	14-Feb-14 A	100%														
Oxide33541	Issue Package for LANL Review	2.0d	0.0d	13-Feb-14	06-Feb-14 A	14-Feb-14	07-Feb-14 A	100%														
Oxide33571	Incorporate comments and close DRR	10.0d	0.0d	21-Feb-14	17-Feb-14 A	06-Mar-14	18-Feb-14 A	100%														

Remaining Level of Effort

Actual Work

Critical Remaining Work

Actual Level of Effort

Remaining Work

Milestone

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TASK filter: FY14 Only Oxide Production.

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 Remaining Level of Effort
 Actual Work
 Critical Remaining Work
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Actual Level of Effort
 Remaining Work
 Milestone

FY14 Oxide Production									2014												06-Oct-14 13:32	
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
CAN1090	RCT Supervisor	36.0d	0.0d	01-Nov-13	01-Nov-13 A	06-Jan-14	24-Mar-14 A	100%														
CAN1120	Submit Facility Service Request (FSR)	1.0d	0.0d	01-Nov-13	01-Nov-13 A	01-Nov-13	01-Nov-13 A	100%														
CAN1100	Operations	36.0d	0.0d	01-Nov-13	01-Nov-13 A	06-Jan-14	24-Mar-14 A	100%														
CAN1110	Project Start	0.0d	0.0d	01-Nov-13	01-Nov-13 A			100%														
CAN1140	Preliminary Project Documents Complete	0.0d	0.0d			01-Nov-13	01-Nov-13 A	100%														
CAN1130	FSR Submitted	0.0d	0.0d			01-Nov-13	01-Nov-13 A	100%														
Can1320	Preliminary Construction Docutmentation Start	0.0d	0.0d	04-Nov-13	04-Nov-13 A			100%														
Can1330	Kick-off meeting	1.0d	0.0d	04-Nov-13	04-Nov-13 A	05-Nov-13	05-Nov-13 A	100%														
Can1340	Develop Integrated Work Document (IWD)	10.0d	0.0d	05-Nov-13	05-Nov-13 A	20-Nov-13	12-Nov-13 A	100%														
CAN1280	Can Opener Acceptance and PMT development	0.1d	0.0d	08-Nov-13	08-Nov-13 A	08-Nov-13	08-Nov-13 A	100%														
CAN1290	Final Acceptance Test (FAT) on Can Opener Complete	0.0d	0.0d			08-Nov-13	08-Nov-13 A	100%														
Can1350	IWD Complete	0.0d	0.0d			25-Nov-13	13-Nov-13 A	100%														
Can1360	IWD Signature Routing	2.0d	0.0d	25-Nov-13	15-Nov-13 A	26-Nov-13	02-Dec-13 A	100%														
Can1390	Develop Radiation Work Permit (RWP)	3.0d	0.0d	25-Nov-13	15-Nov-13 A	27-Nov-13	02-Dec-13 A	100%														
Can1150	DCF start	0.0d	0.0d	25-Nov-13	15-Nov-13 A			100%														
Can1160	Imitate Design Change Form (DCF)	1.0d	0.0d	25-Nov-13	15-Nov-13 A	25-Nov-13	15-Nov-13 A	100%														
Can1190	Submit installation instructions (II)	3.0d	0.0d	26-Nov-13	18-Nov-13 A	02-Dec-13	02-Dec-13 A	100%														
Can1200	Summit PMT requirements	3.0d	0.0d	26-Nov-13	18-Nov-13 A	02-Dec-13	02-Dec-13 A	100%														
Can1210	Prepare Interim Work Release for discipline reviews	3.0d	0.0d	26-Nov-13	18-Nov-13 A	02-Dec-13	02-Dec-13 A	100%														
Can1220	Perform discipline reviews of documentation	3.0d	0.0d	26-Nov-13	18-Nov-13 A	02-Dec-13	02-Dec-13 A	100%														
Can1370	Submit IWD for USQ	5.0d	0.0d	27-Nov-13	19-Nov-13 A	05-Dec-13	05-Dec-13 A	100%														
Can1400	Route RWP for Signature	2.0d	0.0d	02-Dec-13	20-Nov-13 A	03-Dec-13	05-Dec-13 A	100%														
Can1230	Perform USQ	3.0d	0.0d	03-Dec-13	21-Nov-13 A	05-Dec-13	05-Dec-13 A	100%														
Can2850	Develop Risk Ranking (RR) and Activity Request Form	3.0d	0.0d	04-Mar-14	25-Nov-13 A	06-Mar-14	02-Dec-13 A	100%														
Can2870	Enginnering Meeting for Eng IPT	3.0d	0.0d	07-Mar-14	25-Nov-13 A	11-Mar-14	02-Dec-13 A	100%														
Can2880	TA-55 Change Control Board (CCB) meeting	3.0d	0.0d	12-Mar-14	25-Nov-13 A	14-Mar-14	11-Dec-13 A	100%														
Can1240	Request approvals and signatures	2.0d	0.0d	06-Dec-13	26-Nov-13 A	09-Dec-13	10-Dec-13 A	100%														
Can2830	Develop Engineering Service Request (ESR)	1.0d	0.0d	03-Mar-14	28-Nov-13 A	03-Mar-14	02-Dec-13 A	100%														
CAN2770	RCT Supervisor	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2780	Operations	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2790	Architectural Engineer	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2810	Structural SE	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
Can2820	Project Start	0.0d	0.0d	03-Mar-14	02-Dec-13 A			100%														
Can2840	ESR Submitted	0.0d	0.0d			03-Mar-14	02-Dec-13 A	100%														
Can2860	RR and activity request form Complete	0.0d	0.0d			06-Mar-14	02-Dec-13 A	100%														
Can1830	RR and Activity Form Complete	0.0d	0.0d			05-Dec-13	02-Dec-13 A	100%														
CAN2690	Project Controls	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2700	Quality Assurance	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2680	Project Management	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2710	Administration/Record	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2800	Electrical SE	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2720	Project Engineer	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2730	Design Authority	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2740	GB Engineer	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2750	Industrial Hygiene	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2760	Radiological Control Technicians (RCT)	140.0d	18.0d	03-Mar-14	02-Dec-13 A	17-Sep-14	23-Oct-14	87.14%														
CAN2670	Electical SE	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN3760	Structual SE	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
Can1820	Develop Risk Ranking (RR) and Activity Request Form	3.0d	0.0d	03-Dec-13	02-Dec-13 A	05-Dec-13	04-Dec-13 A	100%														
CAN1680	Project Management	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1690	Project Controls	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1700	Quality Assurance	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1710	Administration/Record	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1720	Project Engineer	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1730	Design Authority	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1740	GB Engineer	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1750	Industrial Hygiene	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1760	Radiological Control Technicians (RCT)	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
CAN1770	RCT Supervisor	89.0d	0.0d	02-Dec-13	02-Dec-13 A	17-Apr-14	07-Sep-14 A	100%														
									TASK filter: FY14 Only Oxide Production.												(c) Primavera Systems, Inc.	

			FY14 Oxide Production							06-Oct-14 13:32											
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	2014			2014									
									Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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FY14 Oxide Production										2014													06-Oct-14 13:32	
Activity ID	Activity Name	Original	Remaining Duration	BL1 Start	Start	BL1 Finish	Finish	Performance % Complete	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
D1.02.01.D4.03_OP.04.03_S.07	DCF1390	Construction Kick-Off Meeting	1.0d	0.0d	05-Nov-13	05-Nov-13 A	05-Nov-13	05-Nov-13 A	100%															
	D1.02.01.D4.03_OP.04.03_S.07 Reviews		4.0d	0.0d	17-Oct-13	25-Oct-13 A	22-Oct-13	25-Oct-13 A	100%															
	DCF1190	Initiate Workflow for Section 8.0 to Obtain Concurrence from al	3.0d	0.0d	18-Oct-13	25-Oct-13 A	22-Oct-13	25-Oct-13 A	100%															
	DCF1180	Enter Individuals Involved with Design Reviews into Subsection	1.0d	0.0d	17-Oct-13	25-Oct-13 A	17-Oct-13	25-Oct-13 A	100%															
D1.02.01.D4.03_OP.04.03_S.09	D1.02.01.D4.03_OP.04.03_S.09 Procurement		40.0d	0.0d	01-Oct-13	01-Oct-13 A	27-Nov-13	18-Feb-14 A	100%															
	PRC1400	Procurement Cage and Materials	40.0d	0.0d	01-Oct-13	01-Oct-13 A	27-Nov-13	20-Jan-14 A	100%															
	PRC1570	Delivery of Hardware	0.0d	0.0d			27-Nov-13	18-Feb-14 A	100%															
D1.02.01.D4.03_OP.04.03_S.10	D1.02.01.D4.03_OP.04.03_S.10 Planning		176.1d	0.0d	01-Oct-13	03-Oct-13 A	12-May-14	27-May-14 A	100%															
	PE1730	Identify Hazards	5.0d	0.0d	07-Nov-13	03-Oct-13 A	14-Nov-13	10-Oct-13 A	100%															
	PE1690	Identify Work Steps & Sequence with SME & Engineer	5.0d	0.0d	07-Nov-13	04-Oct-13 A	14-Nov-13	12-Oct-13 A	100%															
PE1700	Identify Resource Requirements (Welders, Clearances, Scaffolc	5.0d	0.0d	07-Nov-13	07-Oct-13 A	14-Nov-13	14-Oct-13 A	100%																
PE1710	Identify Pre-Requisites	5.0d	0.0d	07-Nov-13	07-Oct-13 A	14-Nov-13	14-Oct-13 A	100%																
PE1720	Identify Material	5.0d	0.0d	07-Nov-13	08-Oct-13 A	14-Nov-13	16-Oct-13 A	100%																
PE1660	Walk-Down	1.0d	0.0d	06-Nov-13	10-Oct-13 A	06-Nov-13	10-Oct-13 A	100%																
PE1780	Outside SME Input (RWP, Rigging, Welding Checklit, Test Surr	10.0d	0.0d	03-Dec-13	23-Oct-13 A	17-Dec-13	05-Nov-13 A	100%																
PE1650	Coordinate Walk-Down & SMEs	5.0d	0.0d	30-Oct-13	24-Oct-13 A	05-Nov-13	30-Oct-13 A	100%																
PE1790	Operations Requirements	5.0d	0.0d	03-Dec-13	24-Oct-13 A	10-Dec-13	31-Oct-13 A	100%																
PE1800	Security Requirements	5.0d	0.0d	03-Dec-13	24-Oct-13 A	10-Dec-13	31-Oct-13 A	100%																
PE1750	Draft IWD	5.0d	0.0d	15-Nov-13	24-Oct-13 A	22-Nov-13	31-Oct-13 A	100%																
PE1640	Review DCF	20.0d	0.0d	01-Oct-13	25-Oct-13 A	29-Oct-13	25-Oct-13 A	100%																
PE1760	Identify Required Procedures / Policies	5.0d	0.0d	22-Nov-13	07-Nov-13 A	03-Dec-13	14-Nov-13 A	100%																
PE1670	Identify Permits	0.0d	0.0d	07-Nov-13	11-Nov-13 A	07-Nov-13	11-Nov-13 A	100%																
PE1740	Walk-Down Information Feedback	0.6d	0.0d	15-Nov-13	12-Nov-13 A	15-Nov-13	13-Nov-13 A	100%																
PE1920A	DAR for IWD Adjustment	0.6d	0.0d	01-Jan-14	01-Jan-14 A	01-Jan-14	01-Jan-14 A	100%																
PE1960A	Work Management Center Sets Passport to "Working" Adjustm	0.5d	0.0d	06-Jan-14	06-Jan-14 A	06-Jan-14	06-Jan-14 A	100%																
PE1762	Submit ESR	1.0d	0.0d	31-Mar-14	26-Mar-14 A	31-Mar-14	18-Apr-14 A	100%																
PE1761	Generate BCR	10.0d	0.0d	31-Mar-14	31-Mar-14 A	11-Apr-14	11-Apr-14 A	100%																
PE1920B	DAR for IWD Adjustment	1.0d	0.0d	03-Apr-14	03-Apr-14 A	03-Apr-14	03-Apr-14 A	100%																
PE1960B	Work Management Center Sets Passport to "Working" Adjustm	0.1d	0.0d	03-Apr-14	03-Apr-14 A	03-Apr-14	03-Apr-14 A	100%																
PE1970	Project Released for Construction	0.0d	0.0d			12-May-14	07-Apr-14 A	100%																
PE1763	Kickoff Meeting	1.0d	0.0d	11-Apr-14	10-Apr-14 A	11-Apr-14	18-Apr-14 A	100%																
PE1830	PIC Review & Comment on IWD	5.0d	0.0d	17-Dec-13	21-Apr-14 A	24-Dec-13	25-Apr-14 A	100%																
PE1840	SE Review & Comment on IWD	5.0d	0.0d	17-Dec-13	21-Apr-14 A	24-Dec-13	25-Apr-14 A	100%																
PE1820	Craft Review & Comment on IWD	0.6d	0.0d	17-Dec-13	21-Apr-14 A	18-Dec-13	21-Apr-14 A	100%																
PE1850	IH Review & Comment on IWD	5.0d	0.0d	17-Dec-13	21-Apr-14 A	24-Dec-13	25-Apr-14 A	100%																
PE1860	RP-1 Review & Comment on IWD	5.0d	0.0d	17-Dec-13	21-Apr-14 A	24-Dec-13	25-Apr-14 A	100%																
PE1764	IWD Review	11.0d	0.0d	11-Apr-14	21-Apr-14 A	25-Apr-14	30-Apr-14 A	100%																
PE1870	MC Review & Comment on IWD	5.0d	0.0d	28-Apr-14	28-Apr-14 A	02-May-14	02-May-14 A	100%																
PE1880	Incorporate Comments into IWD	0.5d	0.0d	05-May-14	05-May-14 A	05-May-14	05-May-14 A	100%																
PE1890	Final Review & Approval of IWD	0.6d	0.0d	05-May-14	05-May-14 A	06-May-14	06-May-14 A	100%																
PE1900	RLM Approval of IWD	0.6d	0.0d	06-May-14	06-May-14 A	06-May-14	06-May-14 A	100%																
PE1910	FOD Approval of IWD	0.5d	0.0d	06-May-14	06-May-14 A	07-May-14	07-May-14 A	100%																
PE1930	MC Submits IWD (E Copy) to TA55 USQ	0.5d	0.0d	07-May-14	07-May-14 A	08-May-14	08-May-14 A	100%																
PE1920	DAR for IWD	0.6d	0.0d	07-May-14	07-May-14 A	07-May-14	07-May-14 A	100%																
PE1940	USQ Review & Approval	0.6d	0.0d	08-May-14	08-May-14 A	08-May-14	08-May-14 A	100%																
PE1960	Work Management Center Sets Passport to "Working"	0.5d	0.0d	09-May-14	09-May-14 A	12-May-14	12-May-14 A	100%																
PE1950	Quality Review Checklist	0.6d	0.0d	09-May-14	09-May-14 A	09-May-14	09-May-14 A	100%																
PE1630	Start Development of Work Order	0.0d	0.0d	01-Oct-13	27-May-14 A			100%																
D1.02.01.D4.03_OP.04.03_S.11	D1.02.01.D4.03_OP.04.03_S.11 Construction Activities		152.0d	0.0d	01-Oct-13	06-Jan-14 A	24-Sep-14	22-Aug-14 A	100%															
	CST1910A	LANL Construction Support Adjustment	50.0d	0.0d	06-Jan-14	06-Jan-14 A	19-Mar-14	18-Apr-14 A	100%															
	DCF1290B	RAD Protection	125.1d	0.0d	31-Mar-14	31-Mar-14 A	24-Sep-14	22-Aug-14 A	100%															
CST1910B	LANL Construction Support Adjustment	7.0d	0.0d	02-Apr-14	03-Apr-14 A	10-Apr-14	03-Apr-14 A	100%																
DCF1290	RAD Protection	113.0d	0.0d	01-Oct-13	21-Apr-14 A	21-Mar-14	21-Apr-14 A	100%																
CST1900	Begin Construction	0.0d	0.0d	12-May-14	28-Apr-14 A			100%																
CST1910	LANL Construction Support FY14	50.0d	0.0d	12-May-14	28-Apr-14 A	22-Jul-14	22-Aug-14 A	100%																
CST1930	Construction Complete	0.0d	0.0d			22-Jul-14	22-Aug-14 A	100%																
D1.02.01.D4.03_OP.04.03_S.12	D1.02.01.D4.03_OP.04.03_S.12 DCF Close Out		67.0d	25.0d	03-Jun-14	22-Aug-14 A	24-Sep-14	03-Nov-14	97.57%															
	CLS2030	Verify Post-Modification / Post-Maintenance Testing	20.0d	0.0d	12-Aug-14	22-Aug-14 A	10-Sep-14	26-Sep-14 A	100%															
	CLS2080	Update All Priority Drawings to Reflect As-Built Conditions	20.0d	0.0d	12-Aug-14	22-Aug-14 A	10-Sep-14	26-Sep-14 A	100%															

Remaining Level of Effort

Actual Work

Critical Remaining Work

Actual Level of Effort

Remaining Work

Milestone

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TASK filter: FY14 Only Oxide Production.

(c) Primavera Systems, Inc.

APPENDIX E:

Spend Plan

APPENDIX E: SPEND PLAN/ACTUALS - SEPTEMBER 2014

[illegible]

2MT Work Packages	50,348,586	2,014,212	1,868,753	2,660,659	3,084,914	2,882,902	3,034,550	3,028,227	3,592,277	3,051,440	3,472,943	3,144,700	3,335,201	35,170,777
Pit Disassembly	996,544	119,895	84,396	91,518	115,802	84,461	55,270	34,543	64,553	56,449	85,592	87,435	103,244	983,160
Material Shipping and Receiving	1,399,164	14,431	13,579	72,148	114,306	111,216	136,764	109,639	129,522	111,007	127,103	119,149	170,686	1,229,551
Pu Conversion	3,319,650	180,488	139,411	209,203	262,720	165,808	178,015	143,182	222,690	264,788	323,897	311,152	327,750	2,729,104
Packaging	1,333,869	185,615	164,242	364,716	297,091	348,359	213,011	236,854	160,537	230,565	397,549	258,986	272,534	3,130,061
Nondestructive Assay	301,763	19,413	16,864	12,219	4,796	4,896	34,518	25,388	32,966	19,806	29,122	20,470	5,486	225,943
Operations Management	712,539	16,801	49,601	39,082	46,577	28,845	52,342	33,306	44,837	54,824	56,887	45,619	62,312	531,032
Pu Characterization	1,116,733	107,366	82,912	211,833	69,486	62,788	97,134	72,825	133,769	119,179	176,624	119,976	133,402	1,387,294
Preventive Equipment Maintenance	573,898	28,058	49,531	59,273	49,804	53,420	50,635	41,295	46,940	28,261	42,284	25,440	5,221	480,161
Production Planning and Control	2,029,371	108,939	66,212	84,336	92,606	97,363	125,357	122,032	229,350	178,256	178,167	183,192	305,527	1,771,337
2nd Mill & Blend Shielding Installation	36,382	28,050	39,832	853	1,969	(844)	88	3,711	1,940	0	0	0	(1,318)	74,281
PF-4 Resumption	3,156,629	23,283	27,963	96,427	231,713	353,906	422,249	322,708	432,423	111,604	75,031	8,283	(16,690)	2,088,901
Process Equipment Engineering Support	1,563,146	121,278	78,850	66,573	81,882	81,554	74,533	99,342	155,947	75,091	105,641	62,909	28,904	1,032,505
Analytical Chemistry	1,808,474	10,686	74,379	50,514	52,136	28,642	61,451	43,639	68,850	43,116	88,953	27,046	14,612	564,023
Process Qualification	157,486	4,985	21,009	42,881	(2,487)	29,011	35,498	28,081	26,649	17,902	13,771	9,271	43	226,615
Warehousing/Procurement/Storage	427,769	31,093	21,054	24,816	28,085	28,598	30,901	30,674	37,469	29,398	30,418	25,763	24,391	342,661
Spare Parts	1,500,000	0	0	31,487	77,646	66,953	78,315	104,894	83,298	59,943	64,990	53,106	76,648	697,279
Program Management	2,894,773	252,412	198,041	113,010	130,500	130,497	(31,479)	129,715	143,756	154,387	137,495	215,405	161,319	1,735,059
TA-55 Infrastructure	5,566,958	315,941	440,666	403,948	392,244	432,927	525,628	428,455	445,715	488,692	448,913	454,335	604,967	5,382,429
TA-54 Waste Management	450,000	0	0	0	0	34,694	(2,882)	0	137	0	0	0	52,089	84,037
Quality Assurance Support	3,032,417	234,375	21,450	249,354	381,633	193,625	240,919	394,780	150,081	248,745	290,117	224,024	112,222	2,741,325
Independent Product Certification	376,082	43	9,669	20,838	30,719	33,028	29,269	24,582	57,591	29,151	20,745	31,739	12,890	300,263
Records Management/Document Control/Training	600,904	61,332	34,831	43,106	67,222	51,379	59,331	50,529	70,188	43,893	57,719	48,764	19,961	608,255
Alternative Studies	1,248,704	9,327	0	115,149	100,613	123,190	183,269	103,025	136,614	118,637	172,153	205,231	180,041	1,447,248
Lathe Controller Upgrade Installation	1,424,147	7,910	46,706	53,590	164,725	81,629	123,943	78,751	173,974	148,510	131,148	114,687	161,999	1,287,572
Simple Pit Disassembly	1,838,565	70,926	68,315	100,273	124,051	113,722	125,647	126,950	183,076	175,383	173,576	156,309	133,792	1,552,019
NDA Cage	715,010	56,277	86,763	66,471	19,702	(2,596)	(37)	26,317	134,797	175,440	189,123	165,247	54,360	971,863
MD-2 Shipping/Receiving – Preliminary Design	1,000,000	3,866	12,242	29,754	46,052	42,520	27,712	45,895	26,804	22,069	29,769	94,750	250,557	631,991
TA-55-314 Upgrades	500,000	0	387	1,161	29,594	54,840	22,503	55,412	63,548	6,073	100	0	(5,395)	228,223
Can Opener, Inner Welder, Outer Welder	1,030,469	1,423	19,849	6,125	73,726	48,471	84,646	111,703	134,256	40,272	26,056	76,412	83,647	706,584
Contingency	9,237,140	0	0	0	0	0	0	0	0	0	0	0	0	0

APPENIDX E: SPEND PLAN - SEPTEMBER 2014

LANL	FY 2014 Spend Plan													
	FY 2014 Total Available to Cost	Oct-13 Actuals	Nov-13 Actuals	Dec-13 Actuals	Jan-14 Actuals	Feb-14 Actuals	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	FY 2014 Projected Cost
MA-7B Pu														
STARS TOTAL														
Cong. Rpt Adjusted Total	50,363,850	2,014,212	1,868,753	2,660,659	3,084,914	2,882,902	3,153,748	3,254,330	3,908,411	3,212,257	3,148,125	4,639,186	3,626,389	37,453,885
NN6001030 - ARIES	50,348,586	2,014,212	1,868,753	2,660,659	3,084,914	2,882,902	3,153,748	3,254,330	3,908,411	3,212,257	3,148,125	4,639,186	3,626,389	37,453,885
NN6001030 - LLNL SSP Modern Foundry estimate	15,264													0
2MT Work Packages	50,348,586	2,014,212	1,868,753	2,660,659	3,084,914	2,882,902	3,153,748	3,254,330	3,908,411	3,212,257	3,148,125	4,639,186	3,626,389	37,453,885
Pit Disassembly	996,544	119,895	84,396	91,518	115,802	84,461	123,584	123,584	134,192	97,375	101,610	128,534	77,347	1,282,300
Material Shipping and Receiving	1,399,164	14,431	13,579	72,148	114,306	111,216	100,726	100,726	125,907	95,690	95,690	125,907	120,871	1,091,196
Pu Conversion	3,319,650	180,488	139,411	209,203	262,720	165,808	332,419	306,411	341,299	285,069	297,093	545,810	354,602	3,420,331
Packaging	1,333,869	185,615	164,242	364,716	297,091	348,359	188,295	170,542	166,935	108,879	159,202	190,552	125,604	2,470,031
Nondestructive Assay	301,763	19,413	16,864	12,219	4,796	4,896	37,438	37,438	43,510	15,840	43,375	40,222	30,542	306,550
Operations Management	712,539	16,801	49,601	39,082	46,577	28,845	76,650	74,596	85,031	60,571	70,291	88,180	77,303	713,527
Pu Characterization	1,116,733	107,366	82,912	211,833	69,486	62,788	95,928	88,070	114,471	332,410	135,957	100,635	82,764	1,484,619
Preventive Equipment Maintenance	573,898	28,058	49,531	59,273	49,804	53,420	47,596	47,596	59,495	44,641	47,517	59,495	56,540	602,966
Production Planning and Control	2,029,371	108,939	66,212	84,336	92,606	97,363	168,131	168,131	210,163	158,293	165,448	210,163	200,326	1,730,111
2nd Mill & Blend Shielding Installation	36,382	28,050	39,832	853	1,969	(844)	0	0	0	0	0	0	0	69,860
PF-4 Resumption	3,156,629	23,283	27,963	96,427	231,713	353,906	74,689	74,689	93,361	70,021	74,689	93,361	87,759	1,301,860
Process Equipment Engineering Support	1,563,146	121,278	78,850	66,573	81,882	81,554	102,056	85,325	106,656	80,953	93,090	122,781	108,115	1,129,114
Analytical Chemistry	1,808,474	10,686	74,379	50,514	52,136	28,642	126,390	116,310	148,209	121,211	104,579	101,136	134,496	1,068,689
Process Qualification	157,486	4,985	21,009	42,881	(2,487)	29,011	13,015	13,015	16,269	12,365	12,365	16,269	15,618	194,317
Warehousing/Procurement/Storage	427,769	31,093	21,054	24,816	28,085	28,598	35,353	35,353	44,191	33,585	33,585	44,191	42,423	402,328
Spare Parts	1,500,000	0	0	31,487	77,646	66,953	98,967	123,967	104,959	117,769	117,769	104,959	98,760	943,235
Program Management	2,894,773	252,412	198,041	113,010	130,500	130,497	181,547	181,547	239,434	169,970	169,970	239,434	227,857	2,234,219
TA-55 Infrastructure	5,566,958	315,941	440,666	403,948	392,244	432,927	460,079	460,079	575,099	437,075	437,075	575,099	552,095	5,482,326

APPENDIX F: Commitments

APPENDIX F: COMMITMENTS REPORT - SEPTEMBER 2014

Oxide Production Program: NA-26 Commitments														
Contractor	Management Area	Code	LANL Order #	Commitments	Entity	B&R CODE	Contract Commitment Amount, \$ in thousands	Expended to-date thru Sep 2014	Committed Uncosted to-date thru Sep 2014	TOTAL FY14 Projected Expenditure	FY14 Projected EOY Committed Carryover	Status	Award Date/Projected Award Date	Projected Expenditure Completion
LANL-2MT	MA-7B	ICAN	74274-001-09	Design of new gripper for Packing System	COLORADO SCHOOL OF MINES	NN6001030	634	547	87	80	87	Awarded	Aug-11	Q2/2015
LANL-2MT	MA-7B	ICAN	219406 189577 321934	Radiography and system Test Containers	TEAM INDUSTRIAL Dynamic Flowform	NN6001030	35	20	15	20	15	Awarded	Dec-12	Q1/2015
LANL-2MT	MA-7B	OSNM	231064	Operations support for 5-day campaign shipment of classified TRU waste to the WIPP as described on page 23 of the Level 3 RA&MSP	NUCLEAR WASTE PARTNERSHIP LLC	NN6001030	53	28	25	28	25	Awarded	Dec-13	Q1/2015
LANL-2MT	MA-7B	ODMO	227571	SRNS Tech Review of DMO-3 Furnace	SRNS	NN6001030	40	24	16	24	16	Awarded	Feb-13	Q1/2015
LANL-2MT	MA-7B	RISK-2000	264880	Engineering services for the Robotic Lathe	B6 SIGMA INC-P4811400	NN6001030	144	115	29	115	29	Awarded	Dec-13	Q1/2015
LANL-2MT	MA-7B	MFTP	294559	Muffle Furnace Tantalum Tray	ULTIMATE HYDROFORMING	NN6001030	329	0	329	329	329	Awarded	Jun-14	Q2/2015
LANL-2MT	MA-7B	ODMO	299941	LVCCWS	BUDZAR	NN6001030	26	0	26	0	26	Awarded	Aug-14	Q1/2015
LANL-2MT	MA-7B	SPAR	299941	LVCCWS	BUDZAR	NN6001030	13	0	13	0	13	Awarded	Aug-14	Q1/2015

APPENDIX G: Trend Register

ORIGINAL Approved Project LCB (or) FY Baseline				\$43,651,431	\$43,651,431
Total Resolved Trends (LCB or FY)				\$599,779	\$669,779				
Current LCB (or) FY Budget				\$44,251,210	\$44,321,210				
Unresolved Trends				\$0	\$0				
Estimate At Completion (EAC) + Unresolved Trends =				\$44,321,210					
Origin. Date	Trend Number	Trend Cat / Type	Description of TREND	Budget		Status	Completion Date	Comments / Notes	POC
				Baseline	Forecast (EAC)				
11/01/13	OP001	EX/ISC	Can Opener, Inner Welder, Outer Welder	\$52,876	\$52,876	R	11/14/13	FY14 schedule to replace high level Canning Schedule.	
11/18/13	OP002	EX/ISC	Storage Glovebox Agreement	(\$206,163)	(\$206,163)	R	12/16/13	Provide budget to procure replacement glovebox for Pu Sustainment program. Had \$1M place holder, need \$793K and will return \$206K to contingency	
12/15/13	OP003	EX/NS	PF-4 Resumption - Criticality Safety Support		\$70,000	R	12/17/13	Charles Richardson Criticality Safety Support	
12/15/13	OP004	EX/ISC	Harry Majors - Packaging Support	\$349,907	\$349,907	R	12/16/13	Harry Majors Packaging Support	
12/15/13	OP005	EX/ISC	Removal of NPI-1 from Material Shipping and Receiving	(\$149,864)	(\$149,864)	R	02/05/14	Remove \$204,800 from NPI-1 Material, add \$54,936.20 to NPI-7 Material.	
12/15/13	OP006	EX/ISC	Increase Packaging Allocation and Budget to Cover Identified Personnel to 100% for Insuring Core Capability Maintenance	\$743,184	\$743,184	R	12/16/13	Increase Packaging by \$743184. Necessary due to 40% of certain resources not being covered by MR&R.	
12/15/13	OP007	EX/ISC	Procure, Install, and Document DMO-2 LVCCWS	\$100,000	\$100,000	C	TBD	Additional \$100K to Procure, Install, and Document DMO-2 LVCCWS	
12/15/13	OP008	EX/ISC	Reduced Forecast of Waste Shipments Due to PF-4 Pause	(\$300,000)	(\$300,000)	R	12/16/13	Remove \$300,000.	
12/15/13	OP009	EX/ISC	Removal of NPI-7 Work Scope from Anlalytical Chemistry	(\$421,798)	(\$421,798)	R	12/16/13	Remove \$1,421,862.34 from NPI-7, add \$1,000,064.04 to C-AAC	
12/15/13	OP010	EX/ISC	Delay of NDA Cage Due to Resumption Priorities	\$0	\$0	R	04/08/14	Replan of NDA Cage	
12/15/13	OP011	EX/ISC	FY14 Procurement of Inner & Outer Can Welders and Leak Detector	\$301,902	\$301,902	R	12/16/13	These costs will be incurred in FY14 but were not included in the initial baseline.	
12/15/13	OP012	EX/ISC	Module Specific Engineering Support for Packaging	\$99,872	\$99,872	R	12/16/13	Increase Packaging by \$99,872. Module Specific Engineering inadvertently omitted from FY14 Baseline.	
12/15/13	OP013	EX/ISC	Movement of Acceptance Testing Scope of Work from Canning to Packaging	(\$294,137)	(\$294,137)	R	12/16/13	The cost of acceptance testing for the Canning can be removed because it is being covered in Packaging by the resources who are being increased to 100% coverage.	
12/16/13	OP014	EX/ISC	Detail Plan the Building 314 Warehouse and add Digital Upgrade	\$100,000	\$100,000	C	TBD	TBD	
12/16/13	OP015	EX/ISC	LASO Review Books	(\$186,137)	(\$186,137)	R	02/06/13	Activities Oxide18898 and Oxide18918 will be removed since LASO will now only be providing spot checks.	
12/16/13	OP016	EX/ISC	Remove Muffle Furnace Milestone	\$0	\$0	C	TBD	TBD	
01/13/14	OP017	EX/ISC	Legacy Management	\$678,895	\$678,895	R	TBD	Scope added to Alternative Studies work package for activities needed to manage legacy parts, supplies, equipment, etc.	
01/22/14	OP018	EX/ISC	Inner Can Power Requirements	\$124,619	\$124,619	R	02/13/14	Cost for engineering and extend the the installation schedule to account fo conduit/conductors with breakers that will be installed to support the power for the inner and outer can welder	
01/22/14	OP019	EX/ISC	Detail Plan 314 Warehouse	\$67,123	\$67,123	R	12/16/13	Detail Plan 314 Warehouse	
02/10/14	OP020	EX/ISC	Decontamination Wipe Down Requirements in PF-4	\$202,364	\$202,364	R	02/14/14	Decontamination Wipe Down by NPI-3	
02/14/14	OP021	EX/ISC	MQC Quality Improvement Plan	TBD	TBD	C	TBD	QA team being assigned actions by MQC Mangement not factored into the work package	
02/14/14	OP022	EX/ISC	Muffle Furnace Unknowns	\$75,000	\$75,000	C	TBD	Current electrical, requirements for seismic anchoring, IO signals, 90% Design Package	
02/14/14	OP023	EX/ISC	Resumption Activities will Require a Change to the Sample Dates	TBD	TBD	C	TBD	Change to sample dates	
02/14/14	OP024	EX/ISC	Process Improvements	\$147,882	\$147,882	R	TBD	Various process improvements proposed to Mark Dinehart by Danny Martinez	
03/12/14	OP025	EX/ISC	SAVY-4000s Containers	\$10,000	\$10,000	C	TBD	All SAVY-4000s containers released from the warehouse along with the majority of items still in the warehouse purchased under PO 206439 will be surcharged and partially funded by K37U	
03/24/14	OP025	EX/ISC	LASO Review Books - Correction	\$186,137	\$186,137	R	03/17/14	Correction to LASO Review Books. BCR PSM-14-032 removed dollars associated with the LANL portion of the work scope. A BCR will be need to add the dollars back into the activities.	
04/01/14	OP026	EX/ISC	Revised Plan for Muffle Furnace	(\$642,028)	(\$642,028)	R	04/08/14	Muffle furnace work needs to be removed from the baseline	
04/01/14	OP027	EX/ISC	Revised Plan for Process Qualification	(\$30,403)	(\$30,403)	R	04/08/14	Process qualification activities need to be removed from the schedule	
04/09/14	OP028	EX/ISC	MD-2 Preliminary Design	(\$201,641)	(\$201,641)	R	04/10/14	Work package will re-plan work and work package will be partly de-scoped	
04/24/14	OP029	EX/ISC	Fire Water PISA/ESS	\$100,000	\$100,000	C	TBD	Fire Water PISA/ESS intial fabrication/install costs	
04/30/14	OP030	EX/ISC	Program Management De-scope	(\$770,736)	(\$770,736)	R	05/01/14	Reduction for PM not hired and 1/2 time of Project Controls lead	
05/01/14	OP031	EX/ISC	ARIES Oxide Cage	\$467,411	\$467,411	R	05/13/14	Fabrication of caged staging area to be used for storage of oxide drums.	
05/01/14	OP032	EX/ISC	Pit Cutter Calorimeter and Fab	\$579,144	\$579,144	R	05/14/14	New scope for DCF, conceptual design, and glovebox design and install contracts.	
06/17/14	OP033	EX/ISC	TA-55 314 Upgrade Project Hold	(\$324,630)	(\$324,630)	R	06/14/14	Project moved to CMRR	
07/07/14	OP034	EX/ISC	LVCCWS Additions to Pu Conversion Scope of Work	\$126,000	\$126,000	R	07/09/14	Additional scope added to Pu Conversion	

APPENDIX H: Milestone Report

Milestone Report

FY14 Oxide Production Program

Printed on 06-Oct-14 13:39
Scheduled as of 25-May-14 08:00

Activity ID	Activity Name	Finish	Variance - BL1 Finish Date	FY2014														FY2015	
				O	N	D	J	F	M	A	M	J	J	A	S	O	N		
D1.02.01.D4.03_OP_S Oxide Production Program		29-Sep-14	0.0d															29-Sep-	
Oxide34090	FY14/FY15 Revised Work Plan submitted to NA-26	15-Jul-14 A	0.0d															15-Jul-14, ◆	
Oxide34100	Minimum Capability Plan Complete	15-Aug-14 A	0.0d															15-Aug-14, ◆	
Oxide34040	Complete 3 Ready-to-Ship Submittals	21-Aug-14 A	15.0d															15-Sep-14, ◆	
Oxide34170	Legacy Inventory Risk Reduction Plan Complete	17-Sep-14 A	-1.0d															15-Sep-14, ◆	
Oxide34110	50 kg Certified Oxide Accepted by MOX Services	29-Sep-14*	0.0d															26-Sep-14, ◆