



**DEPARTMENT OF ENERGY**  
Environmental Management Los Alamos Field Office (EM-LA)  
Los Alamos, New Mexico 87544

Mr. John E. Kieling  
Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303



NOV 05 2018

Dear Mr. Kieling:

Subject: Fiscal Year 2018 Deliverable Accomplishments

Enclosed is a summary of the completion of milestones by the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA) for fiscal year (FY) 2018 required under the 2016 Compliance Order on Consent (Consent Order). Also enclosed is a summary of other deliverables submitted to the New Mexico Environment Department (NMED) for FY 2018.

Enclosure 1 lists FY 2018 milestones in Appendix B of the Consent Order, including their due, submittal, and approval dates. Most of the Appendix B milestones were submitted on or before their due dates. NMED granted two extensions to milestone due dates: one for field completion of well R-69 (FY 2018 milestone 13; granted a new milestone date of December 14, 2018) and one for the Phase 2 Pilot Amendment Testing Work Plan (FY 2018 milestone 10; granted a new milestone date of June 28, 2019). The extension for completion of R-69 was granted because of the unanticipated damage/breakage of the drilling equipment, which resulted in additional time necessary to complete drilling. The extension for submitting the Phase 2 Amendment Testing Work Plan was granted because the Phase 1 Pilot Amendment Test was not complete, and Phase 1 results are necessary to inform planning and implementation of the Phase 2 amendment test.

In addition to Appendix B Milestones, DOE EM-LA submitted several other deliverables required by NMED. Enclosure 2 contains a list of these deliverables and their submittal dates.

We look forward to another successful year. If you have any questions, please contact Arturo Duran at (505) 665-7772 (arturo.duran@em.doe.gov).

Sincerely,



Arturo Q. Duran  
Designated Agency Manager  
Environmental Management  
Los Alamos Field Office

Enclosures:

1. Fiscal Year 2018 Milestones in Appendix B of the Compliance Order on Consent
2. Fiscal Year 2018 Other Deliverables to NMED and Submittal Dates

cc (letter and enclosure[s] emailed):

L. King, EPA Region 6, Dallas, TX  
R. Martinez, San Ildefonso Pueblo, NM  
D. Chavarria, Santa Clara Pueblo, NM  
E. Herrera, Pueblo of Cochiti, NM  
J. Toya, Pueblo of Jemez, NM  
S. Yanicak, NMED  
E. Day, N3B  
M. Erickson, N3B  
E. Evered, N3B  
J. Legare, N3B  
F. Lockhart, N3B  
N. Lombardo, N3B  
B. Robinson, N3B  
P. Maggiore, NA-LA  
A. Duran, EM-LA  
D. Nickless, EM-LA  
D. Rhodes, EM-LA  
C. Rodriguez, EM-LA  
lasomailbox@nnsa.doe.gov  
emla.docs@em.doe.gov  
N3B Records  
Public Reading Room (EPRR)  
PRS Database

EM-LA-40AD-00351

Enclosure 1

Fiscal Year 2018 Milestones in Appendix B of the Compliance Order on Consent

Title	Due Date	Submittal Date	Approval Date
(Milestone 1) Technical Report Package for Chromium Plume Center Characterization	3/30/2018	3/28/2018	
(Milestone 2) Compendium of Technical Reports Related to the Deep Groundwater Investigation for RDX Project at Los Alamos National Laboratory (Technical Report Package related to Deep Groundwater Investigation)	3/30/2018	3/28/2018	
(Milestone 3) Letter Report to NMED-HWB documenting integrated operation of Chromium Extraction Well 4 (CrEX-4) into the existing IM system.	3/30/2018	3/22/2018	
(Milestone 4) 2018 Monitoring Report for Los Alamos/Pueblo Watershed Sediment Transport Mitigation Project	4/30/2018	4/25/2018	6/29/2018
(Milestone 5) Sandia Canyon Wetland Performance Report, Performance Period April 2017 - December 2017 [2018]	4/30/2018	4/25/2018	6/5/2018
(Milestone 6) 2019 Interim Facility-Wide Groundwater Monitoring Plan, October 2018 - September 2019	5/30/2018	5/24/2018	
(Milestone 7) Investigation Report for DP Sites Aggregate Area at Delta Prime East at TA-21	6/29/2018	6/29/2018	
(Milestone 8) Third Quarterly Report on Pilot-Scale Amendments Testing for Chromium in Groundwater Beneath Mortandad Canyon	7/31/2018	7/31/2018	
(Milestone 9) Annual Progress Report on Chromium Plume Control Interim Measure Performance	9/28/2018	9/26/2018	
(Milestone 11) Phase II Investigation Report for Upper Los Alamos Canyon Aggregate Area	9/28/2018	9/27/2018	
(Milestone 12) Middle Los Alamos Canyon Phase II Investigation Report, Revision 2	9/28/2018	9/27/2018	
(Milestone 14) (RDX) First Annual Long-Term Monitoring and Maintenance Report for the Corrective Measures Implementation at Consolidated Unit 16-021(c)-99	9/28/2018	9/27/2018	
(Milestone 15) Letter report- Field Completion for Aggregate Area Known Cleanup Sites Campaign: SWMU 03-049(a) and SWMU 50-006(d)	9/28/2018	9/27/2018	

## Enclosure 2

## Fiscal Year 2018 Other Deliverables to NMED and Submittal Dates

Item Number	Title	Due Date	Submittal Date
1	Monthly Notification of Groundwater Data Reviewed in October 2017	10/25/2017	10/19/2017
2	ECORISK Database, Release 4.1	10/31/2017	10/19/2017
3	Monthly Notification of Groundwater Data Reviewed in November 2017	11/22/2017	11/17/2017
4	Annual Progress Report Corrective Measures Implementation and Deep Groundwater Investigations for Consolidated Unit 16-021(c)-99	11/30/2017	11/21/2017
5	Annual PMR for the General Surveillance Monitoring Group	11/30/2017	11/21/2017
6	CrEX-4 Fact Sheets	12/11/2017	12/4/2017
7	2017 Biennial Asphalt Monitoring and Removal Report AOC C-00-041, Guaje/Barrancas/Rendija Canyons Agg	12/15/2017	12/13/2017
8	Monthly Notification of Groundwater Data Reviewed in December 2017	12/25/2017	12/18/2017
9	Monthly Notification of Groundwater Data Reviewed in January 2018	1/25/2018	1/18/2018
10	REPLACEMENT PAGES for the IFGMP 2018 Monitoring Year, Oct 2017-Sept 2018 (Issued January 2018)	1/24/2018	1/18/2018
11	Response to NMED November 29, 2016 Letter Regarding the Preliminary Evaluation of LANS Aluminum Filter Study - Letter and Report	1/23/2018	1/19/2018
12	Accelerated Corrective Action Report for North Ancho Canyon Aggregate Area	2/5/2018	1/29/2018
13	Quarterly Report [1st] on Pilot-Scale Amendments Testing for Chromium in Groundwater Beneath Mortandad Canyon	1/31/2018	1/29/2018
14	Development of Ecological Preliminary Remediation Goals for Los Alamos National Laboratory, Revision 1.1	2/13/2018	2/13/2018
15	Monthly Notification of Groundwater Data Reviewed in February 2018	2/28/2018	2/23/2018
16	Annual PMR for the TA-21 Monitoring Group	2/28/2018	2/23/2018
17	Monthly Notification of Groundwater Data Reviewed in March 2018	3/30/2018	3/22/2018
18	Notice of New Date for Submittal of the "CrIN-6 Evaluation Report"	3/26/2018	3/22/2018
19	Performance Monitoring Plan for the Interim Measure for Chromium Plume Control	4/30/2018	4/24/2018
20	Monthly Notification of Groundwater Data Reviewed in April 2018	4/25/2018	4/24/2018
21	Completion Report for Groundwater Extraction Well CrEX-4	4/30/2018	4/25/2018
22	Quarterly Report [2nd] on Pilot-Scale Amendments Testing for Chromium in Groundwater Beneath Mortandad Canyon	4/30/2018	4/26/2018
23	Notification of Newly Discovered Potential New Solid Waste Management Unit	4/30/2018	4/26/2018
24	Evaluation Report for CrIN-6	4/30/2018	4/26/2018
25	Monthly Notification of Groundwater Data Reviewed in May 2018	5/25/2018	5/24/2018
26	Annual Periodic Monitoring Report for the Technical Area 54 Monitoring Group	5/31/2018	5/24/2018
27	2018 Annual Periodic Monitoring Report for Material Disposal Area C Monitoring Group	5/31/2018	5/24/2018
28	Annual Periodic Monitoring Report for the Chromium Investigation Monitoring Group	5/31/2018	5/24/2018
29	Quarterly Report for the Discharge of Treated Groundwater to the Regional Aquifer - 2018 Quarter 1, DP-1835	6/1/2018	5/31/2018

## Enclosure 2

## Fiscal Year 2018 Other Deliverables to NMED and Submittal Dates

Item Number	Title	Due Date	Submittal Date
30	Monthly Notification of Groundwater Data Reviewed in June 2018	6/29/2018	6/26/2018
31	Missing Appendix A to Attachment 9 of the Compendium of Technical Reports Conducted Under the Work Plan for Chromium Plume Center Characterization		6/26/2018
32	Monthly Notification of Groundwater Data Reviewed in July 2018	7/27/2018	7/20/2018
33	Supplemental investigation Report for Threemile Canyon Aggregate Area, Revision 1		7/31/2018
34	Notification of Newport News Nuclear BWXT - Los Alamos, LLC, Signatory Officials and Authorized Representatives for the Title V Operating Permit		8/2/2018
35	Newport News Nuclear BWXT - Los Alamos, LLC, Certification for Title V Semi-Annual Monitoring Report	8/2/2018	8/2/2018
36	Interim Measures Final Report for Soil-Vapor Extraction of Volatile Organic Compounds from Material Disposal Area L, Technical Area 54		8/6/2018
37	Clarification of Request for Certificates of Completion for Twenty Three Solid Waste Management Units and Four Areas of Concern in the Delta Prime Site Aggregate Area		8/9/2018
38	Notification of Newport News Nuclear BWXT - Los Alamos, LLC, Signatory Official and Authorized Representatives for the Los Alamos National Laboratory Hazardous Waste Permit and Hazardous Waste Management Regulations 20 New Mexico Administrative Code 4.1, 4.2, and 4.3		8/9/2018
39	Transmittal of Paper Discharge Monitoring Report for June 16, 2018 Storm Event	8/16/2018	8/16/2018
40	Monthly Notification of Groundwater Data Reviewed in August 2018	8/24/2018	8/21/2018
41	Notice of Submittal of New Mexico Hazardous Waste Act Disclosure Statements		8/21/2018
42	Notice of Intent to Conduct a Tracer Study at Los Alamos National Laboratory		8/23/2018
43	15-Day Sampling Notification for Known Cleanup Site Campaign at Technical Area 50 and 46		8/27/2018
44	Transmittal of Paper Discharge Monitoring Report for July 9, 2018 Storm Event and 2nd Quarter 2018 No Discharge Report for TA-54 Areas G and L	8/30/2018	8/29/2018
45	Annual PMR for the MDA AB Monitoring Group	8/31/2018	8/30/2018
46	Annual PMR for the TA-16 260 Monitoring Group	8/31/2018	8/30/2018
47	Quarterly Report for the Discharge of Treated Groundwater to the Regional Aquifer - 2018 Quarter 2, DP-1835	9/1/2018	8/31/2018
48	Request for Extension of Well R-69 Field Completion Milestone		9/7/2018
49	15-Day Sampling Notification for Solid Waste Management Unit 02-014 at Technical Area 02	9/13/2018	9/11/2018
50	Transmittal of Paper Discharge Monitoring Report for August 1, 2018 Storm Event	9/14/2018	9/13/2018
51	Notification of the Newport News Nuclear BWXT – Los Alamos, LLC, Project Manager, the U.S. Department of Energy Contact, and Confirmation of Responsibilities in Accordance with the 1995 Federal Facility Compliance Order	9/14/2018	9/14/2018
52	Monthly Notification of Groundwater Data Reviewed in September 2018	9/28/2018	9/20/2018
53	Request for Extension of Phase 2 Pilot Amendments Testing Work Plan Milestone	9/18/2018	9/20/2018