

## LA-UR-20-24534

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Title: Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020

Author(s): Goldberg, Shanon D.

Intended for: Environmental Regulatory Document

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*Date:* 7/22/20

*Symbol:* EPC-DO-20-194

*LA-UR:* 20-24534

*Locates Action No.:* Not applicable

Mr. Kevin Pierard, Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6313

**Subject: Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020**

Dear Mr. Pierard:

The United States Department of Energy (DOE) and its field offices, the National Nuclear Security Administration Los Alamos Field Office (NA-LA), the DOE-Environmental Management Los Alamos Field Office (EM-LA), along with Triad National Security, LLC (Triad), and Newport News Nuclear BWXT-Los Alamos, LLC (N3B) collectively, the Permittees, are submitting this Semi-Annual Report. The report is submitted as required by Attachment A to the Settlement Agreement and Stipulated Final Order HWB-14-20 (SFO) entered into by the New Mexico Environment Department (NMED) (Complainant) and the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) (Respondents) on January 22, 2016. On November 30, 2018, operations responsibilities at Los Alamos National Laboratory were transferred from LANS to Triad National Security, LLC (Triad). Earlier this year, Triad and N3B technical staff met with NMED Hazardous Waste Bureau (HWB) staff to discuss a joint (NNSA/DOE-EM) submittal of the July 2020 Semi-Annual report to meet NMED HWB compliance expectations. This deliverable provides two Enclosures (an updated SFO Attachment A Table for Triad operations [Enclosure 1] and a second Attachment A Table for N3B operations [Enclosure 2]). NNSA and Triad certify Enclosure 1 (Triad Operations) only.

Many of the Ordered Actions in SFO Attachment A make reference to specific procedures. Wherever procedures are referenced in Attachment A under the column "Documentation to Provide as Evidence of Completion," the following requirement is found:

*Provide periodic [Semi-annually, or upon NMED request] listing of document(s) revision.*

It was agreed that the Respondents would provide the required document list on January 22 and July 22 of each year. Enclosures 1 and 2 list all procedures revised since they were initially submitted to NMED as part of the Ordered Action responses, along with the revised effective dates. As stated in Attachment A, electronic access to any and all current document revisions will be provided by the respective respondent upon NMED request.

If you have questions or comments concerning the NNSA Enclosure 1 submittal, please contact Karen E. Armijo of the Department of Energy-National Nuclear Security Administration (NNSA) at (505) 665-7314 or Patrick L. Padilla (Triad) at (505) 412-0462.

If you have questions or comments concerning the EM-LA Enclosure 2 submittal, please contact Arturo Duran of the Department of Energy-Environmental Management (EM-LA) at (505) 257-7907 or Emily Day (N3B) at (505) 695-4243.

Sincerely,

Karen E.  
Armijo

Digitally signed by Karen  
E. Armijo  
Date: 2020.07.20  
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Karen E. Armijo  
Permitting and Compliance Program Manager  
National Nuclear Security Administration  
Los Alamos Field Office  
U.S. Department of Energy

Sincerely,

JENNIFER  
PAYNE (Affiliate)

Digitally signed by  
JENNIFER PAYNE (Affiliate)  
Date: 2020.07.16 10:56:15  
-06'00'

Jennifer E. Payne  
Division Leader  
Environmental Protection and Compliance  
Division  
Triad National Security, LLC  
Los Alamos National Laboratory

KEA/JEP/PLP:sdg

- Enclosure(s): 1) NNSA/Triad: Attachment A Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020 with NNSA/Triad certification  
2) EM-LA/N3B: Attachment A Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020

CC w/enclosures:

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# **ENCLOSURE 1**

## **NNSA/Triad:**

Attachment A Settlement Agreement and Stipulated Final  
Order HWB-14-20, Semi-Annual Report for Period Ending  
July 22, 2020

EPC-DO: 20-194

LA-UR: 20-24534

Date: 7/22/20

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

JENNIFER  
PAYNE (Affiliate)

Digitally signed by JENNIFER  
PAYNE (Affiliate)  
Date: 2020.07.16 10:59:40  
-06'00'

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**Jennifer E. Payne**  
Division Leader  
Environmental Protection and Compliance Division  
Triad National Security, LLC

**07/16/2020**

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**Date Signed**

Karen E.  
Armijo

Digitally signed by Karen  
E. Armijo  
Date: 2020.07.20  
06:58:25 -06'00'

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**Karen E. Armijo**  
Permitting and Compliance Program Manager  
National Nuclear Security Administration  
Los Alamos Field Office  
U.S. Department of Energy

**20 July 2020**

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**Date Signed**



## Enclosure 1

### Attachment A to Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020

#### List of Triad Documents in SFO Attachment A Subject to the Semi-annual Reporting Requirement

**Action required (per SFO Attachment A):**

*“Provide periodic [Semi-annually, or upon NMED request] listing of document(s) revisions.*

**When due:**

January 22 and July 22 of each year until requirement expires.

**List of Documents Affected:**

Document Title	Version Submitted With 3/22/2016 Ordered Action	Revisions and Effective Date* Since Submittal
<b>Ordered Action 1.12</b>		
ENV-CP-QP-115, <i>Compliance Technical Assistance Program (CTAP) Procedure</i> replaced by EPC-WMP-QP-115, R0. Title revised in R1 to <i>Compliance Technical Assistance Process (CTAP)</i>	R0, 09/28/2015	Document Cancelled 10/10/2017; Replacement, R0 effective 12/04/2018; R1, 08/27/2019
ADESH-AP-TOOL-803, <i>Facility TSF Operating Record</i>	R0, 12/15/2015	R1, 08/11/2017
EWMO-AP-20284, <i>EWMO RCRA Permit Operating Record and Compliance Programs</i> <sup>1</sup> was superseded by N3B-AP-20284, R.0, effective 04/30/2018.	R0, 03/08/2016	Newport News Nuclear BWXT-Los Alamos, LLC (N3B) Blue sheet: R0, 04/30/2018 supersedes EWMO-AP-20284. Triad EWMO-AP-20284 R.0 was cancelled 09/06/2018

\* “None” indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April, 30, 2018.



Document Title	Version Submitted With 3/22/2016 Ordered Action	Revisions and Effective Date* Since Submittal
<b>Ordered Action 1.13</b>		
ADESH-AP-TOOL-117, <i>Using WCATS to Submit Change Requests</i> . Revision 1 changed document title to <i>Managing Operating Record Changes in WCATS</i>	R0, 02/08/2016	R1, 04/12/2019
<b>Ordered Action 1.14</b>		
ENV-CP-AP-200, <i>Regulatory Procedure Review of Waste Management Procedures</i> superseded by ADESH-AP-014, <i>Regulatory Review of Waste Management Compliance Work Control Documents</i>	R1, 09/15/2015	R0, 11/02/2017
<b>Ordered Action 1.16</b>		
P850, Subcontract Technical Representative Procedure	Not submitted	R6, 11/7/2016; R6, Admin. Change 1, 11/01/2018; R7, 10/31/2019
<b>Ordered Action 5</b>		
MAN-5004, <i>WCATS User's Manual</i> ; document superseded by <i>Waste Compliance and Tracking System (WCATS) User Guide, R0</i>	R3, 07/16/2015	R4, 10/31/2017; Beta-Test Version of On-line Manual posted to LANL Yellow Network 08/06/2018; <i>Waste Compliance and Tracking System (WCATS) User Guide, R0, 04/30/2020</i>
WM-SVS-AP-201, <i>Reviewing and Approving Waste Stream Profiles (WSPs) in WCATS</i> . Revision 1 changed document title to <i>Reviewing and Approving Waste Stream Profiles (WSP) in WCATS by RCRA Reviewers</i>	R0, 04/30/2015	R1, 11/28/2018

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

Document Title	Version Submitted With 3/22/2016 Ordered Action	Revisions and Effective Date* Since Submittal
<b>Ordered Action 9</b>		
<i>P409, LANL Waste Management</i>	R5, 07/30/2015	R6, 04/21/2017; R7, 11/29/2017; R7 Admin Change 1, 04/11/2018; R7 Admin Change 2, 07/26/2018; R7 Admin Change 3, 11/01/2018; R7 Admin Change 4, 04/11/2019; R 7 Admin Change 5, 02/18/2020
<i>P315, Conduct of Operations Manual</i>	R6, 07/08/2015	R6, Admin Change 1, 06/13/2017; R7, 05/09/2018; R7 Admin Change 1, 06/11/2018; R7 PROVISIONAL, 05/09/2018; R7, Admin Change 1 (R7 changed from Provisional to Effective), 06/11/2018; R7 Admin Change 2, 07/23/2018; R7 Admin Change 3, 11/01/2018

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

Document Title	Version Submitted With 3/22/2016 Ordered Action	Revisions and Effective Date* Since Submittal
<b>Ordered Action 9 Continued</b>		
EP-AP-10007, <i>ADEP Technical Procedure Development</i> was superseded by N3B-AP-ENS-10007. N3B document title revised to <i>Technical Procedure Development</i> <sup>1</sup>	R0, 08/13/2015	R2, 11/21/2016; R2.1 07/11/2017; N3B Blue sheet: R2.1, 07/11/2017; Triad EP-AP-10007 was cancelled 04/30/2018; N3B Blue sheet procedure superseded by N3B-AP-ENS-10007, R.0, effective 09/17/2019
ENV-CP-AP-200, R1, <i>Regulatory Procedure Review of Waste Management Procedures</i> superseded by ADESH-AP-014, <i>Regulatory Review for Waste Management Compliance Work Control Documents</i>	R1, 09/15/2015	R0, 11/02/2017
EM-AP-10001, <i>ADEP Document Control</i> (Rev. 0, formerly EP-AP-10001) was superseded by N3B-P311-1. N3B document title revised in N3B Blue sheet process to <i>Document Control</i> <sup>1</sup>	R0, 08/13/2015	R1, 02/01/2017; N3B Blue sheet: R1, 05/26/2018; Triad EM-AP-10001, R.1 was cancelled 04/30/2018; N3B Blue sheet document superseded by N3B-P311-1, R.0, effective 10/11/2018; N3B-P311-1, R.1, 02/06/2019
WM-AP-0005, <i>Waste Characterization and Processing Review</i> . Document identifier revised to EPC-WMP-AP-005 in R2.	R1, 02/18/2016	R2, 10/16/2019
ADESH-IG-TOOL-101, <i>Waste Management Glossary</i>	R0, 12/10/2015	R1, 02/26/2019

\* "None" indicates that this document has not been revised the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

<b>Document Title</b>	<b>Version Submitted With 3/22/2016 Ordered Action</b>	<b>Revisions and Effective Date* Since Submittal</b>
ADESH-AP-TOOL-111, <i>Waste Characterization</i>	R0, 12/15/2015	R1, 08/2/2018
ADESH-AP-TOOL-115, <i>Waste Compatibility Determination</i>	R0, 01/14/2016	R1, 02/01/2018
ADESH-AP-TOOL-206, <i>Management of Hazardous Waste by Generators</i>	R0, 12/15/2015	R1, 08/02/2018; R2, 04/12/2019
ADESH-AP-TOOL-300, <i>Radioactive Waste Management</i>	R0, 02/08/2016	R1, 06/12/2017
ADESH-AP-TOOL-314, <i>Radioactive Waste Characterization</i>	R0, 02/10/2016	R1, 06/28/2018
ADESH-AP-TOOL-803, <i>Facility TSF Operating Record</i>	R0, 12/15/2015	R1, 08/11/2017
ADESH-AP-TOOL-810, <i>Waste Processing at LANL Hazardous Waste Permitted Units</i>	R0, 01/14/2016	R1, 01/29/2019
ADESH-AP-TOOL-901, <i>Elementary Neutralization</i>	R0, 01/14/2016	R1, 02/26/2019
ADESH-AP-TOOL-902, <i>Sorption without a Permit</i>	R0, 12/23/2015	R1, 02/26/2019
ADESH-AP-TOOL-906, <i>Treatment by the Waste Generator</i>	R0, 02/24/2016	R1, 03/13/2019

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\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

## **ENCLOSURE 2**

### **EM-LA/N3B:**

Attachment A Settlement Agreement and Stipulated Final  
Order HWB-14-20, Semi-Annual Report for Period Ending  
July 22, 2020

EPC-DO: 20-194

LA-UR: 20-24534

Date: 7/22/20

## Enclosure 2

### Attachment A to Settlement Agreement and Stipulated Final Order HWB-14-20, Semi-Annual Report for Period Ending July 22, 2020

#### List of N3B Documents in SFO Attachment A Subject to the Semi-annual Reporting Requirement

**Action required (per SFO Attachment A):**

*“Provide periodic [Semi-annually, or upon NMED request] listing of document(s) revisions.*

**When due:**

January 22 and July 22 of each year until requirement expires.

**List of Documents Affected:**

Document Title	Version Submitted With 3/22/2016 Ordered Action	N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18
<b>Ordered Action 1.12</b>		
ENV-CP-QP-115, <i>Compliance Technical Assistance Program (CTAP) Procedure</i> ; replaced by EPC-WMP-QP-115, R0. Title revised in R1 to <i>Compliance Technical Assistance Process (CTAP)</i>	R0, 09/28/2015	Assessments, including RCRA, are performed per N3B-P328-2, <i>Independent Assessment</i>
ADESH-AP-TOOL-803, <i>Facility TSF Operating Record</i>	R0, 12/15/2015	Incorporated into N3B-P409-0, R.0, 04/09/2019
EWMO-AP-20284, <i>EWMO RCRA Permit Operating Record and Compliance Programs</i>	R0, 03/08/2016	Blue sheet: N3B-AP-20284, R0, 04/30/2018

\* “None” indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

Document Title	Version Submitted With 3/22/2016 Ordered Action	N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18
<b>Ordered Action 1.13</b>		
ADESH-AP-TOOL-117, <i>Using WCATS to Submit Change Requests</i> . Revision 1 changed document title to <i>Managing Operating Record Changes in WCATS</i>	R0, 02/08/2016	Incorporated into N3B-P409-0, R.0 04/09/2019
<b>Ordered Action 1.14</b>		
ENV-CP-AP-200, <i>Regulatory Procedure Review of Waste Management Procedures</i> superseded by ADESH-AP-014, <i>Regulatory Review of Waste Management Compliance Work Control Documents</i>	R1, 09/15/2015	Procedure review requirements, including specified reviewer assignments provided in N3B-AP-ENS-10007, R.0, 09/17/2019
<b>Ordered Action 1.16</b>		
P850, Subcontract Technical Representative Procedure	Not submitted	Blue sheet: P850, R6, 04/30/2018 N3B-P850, R.0 07/11/2019

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.



<b>Document Title</b>	<b>Version Submitted With 3/22/2016 Ordered Action</b>	<b>N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18</b>
<b>Ordered Action 5</b>		
MAN-5004, <i>WCATS User's Manual</i> ; document superseded by <i>Waste Compliance and Tracking System (WCATS) User Guide, R0</i>	R3, 07/16/2015	R4, 10/31/2017; Beta-Test Version of On-line Manual posted to LANL Yellow Network 08/06/2018  N3B uses Triad documents to access and comply with WCATS system requirements  <i>Waste Compliance and Tracking System (WCATS) User Guide, R0, 04/30/2020</i>
WM-SVS-AP-201, <i>Reviewing and Approving Waste Stream Profiles (WSPs) in WCATS</i> . Revision 1 changed document title to <i>Reviewing and Approving Waste Stream Profiles (WSP) in WCATS by RCRA Reviewers</i>	R0, 04/30/2015	N3B uses Triad documents to access and comply with WCATS system requirements  R1, 11/28/2018
<b>Ordered Action 9</b>		
P409, <i>LANL Waste Management</i>	R5, 07/30/2015	Blue sheet: P409, R7, 04/30/2018  N3B-P409-0, R.0 04/09/2019

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

Document Title	Version Submitted With 3/22/2016 Ordered Action	N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18
P315, <i>Conduct of Operations Manual</i>	R6, 07/08/2015	Blue sheet: P315, R7, 04/30/2018 N3B-P315, R.0 04/24/2019
EP-AP-10007, <i>ADEP Technical Procedure Development</i>	R0, 08/13/2015	Blue sheet: N3B-EP-AP-10007, R2.1, 04/30/2018 Superseded by N3B-AP-ENS-10007, R.0, 09/17/2019
ENV-CP-AP-200, R1, <i>Regulatory Procedure Review of Waste Management Procedures</i> superseded by ADESH-AP-014, <i>Regulatory Review for Waste Management Compliance Work Control Documents</i>	R1, 09/15/2015	Procedure review requirements, including specified reviewer assignments, in N3B-AP-ENS-10007, R.0 09/17/2019
EM-AP-10001, <i>ADEP Document Control</i>	R0, 08/13/2015	N3B Blue sheet: N3B-EM-AP-10001, 04/30/2018 Superseded by N3B-P311-1, R.0, 10/11/2018; R.1, 02/06/2019 R.2, 03/31/2020
WM-AP-0005, <i>Waste Characterization and Processing Review</i> . Document identifier revised to EPC-WMP-AP-005 in R2.	R1, 02/18/2016	R.2, 10/16/2019, Maintained by LANL
ADESH-IG-TOOL-101, <i>Waste Management Glossary</i>	R0, 12/10/2015	Incorporated into N3B-P409-0, R.0 04/09/2019

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

<b>Document Title</b>	<b>Version Submitted With 3/22/2016 Ordered Action</b>	<b>N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18</b>
ADESH-AP-TOOL-111, <i>Waste Characterization</i>	R0, 12/15/2015	Incorporated into N3B-P409-0, R.0 04/09/2019
ADESH-AP-TOOL-115, <i>Waste Compatibility Determination</i>	R0, 01/14/2016	Incorporated into N3B-P409-0, R.0 04/09/2019
ADESH-AP-TOOL-206, <i>Management of Hazardous Waste by Generators</i>	R0, 12/15/2015	Incorporated into N3B-P409-0, R.0 04/09/2019
ADESH-AP-TOOL-300, <i>Radioactive Waste Management</i>	R0, 02/08/2016	Incorporated into N3B-P409-0, R.0 04/09/2019
ADESH-AP-TOOL-314, <i>Radioactive Waste Characterization</i>	R0, 02/10/2016	Incorporated into N3B-P409-0, R.0 04/09/2019
ADESH-AP-TOOL-803, <i>Facility TSF Operating Record</i>	R0, 12/15/2015	R1, 08/11/2017; Facility permit direction and requirements are sufficient for N3B operations
ADESH-AP-TOOL-810, <i>Waste Processing at LANL Hazardous Waste Permitted Units</i>	R0, 01/14/2016	R1, 01/29/2019 Facility permit direction and requirements are sufficient for N3B operations
ADESH-AP-TOOL-901, <i>Elementary Neutralization</i>	R0, 01/14/2016	R1, 02/26/2019 Controlled by the permitting process

\* "None" indicates that this document has not been revised since the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.

<b>Document Title</b>	<b>Version Submitted With 3/22/2016 Ordered Action</b>	<b>N3B Documents with Revisions and Effective Date* Since EM Transition 4/30/18</b>
ADESH-AP-TOOL-902, <i>Sorption without a Permit</i>	R0, 12/23/2015	R1, 02/26/2019 Controlled by the permitting process
ADESH-AP-TOOL-906, <i>Treatment by the Waste Generator</i>	R0, 02/24/2016	R1, 03/13/2019, Incorporation into N3B-P409-0, R.0, 04/09/2019

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\* "None" indicates that this document has not been revised the initial response to Ordered Actions March 22, 2016.

<sup>1</sup> Newport News Nuclear BWXT-Los Alamos (N3B), assumed Environmental Management (DOE-EM) scope of work at LANL on April 30, 2018.