



National Nuclear Security Administration Los Alamos Field Office 3747 West Jemez Road, A316 Los Alamos, New Mexico 87544 (505) 667-5105/Fax (505) 667-5948 Environmental Management Los Alamos Field Office 1200 Trinity Drive, Suite 400P Los Alamos, New Mexico 87544 (240) 562-1122

Date: December 1, 2022

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

Subject: Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the

Los Alamos National Laboratory Hazardous Waste Facility Permit,

Los Alamos National Laboratory, EPA ID #NM0890010515

Dear Mr. Shean:

The United States Department of Energy (DOE) and its field offices, the National Nuclear Security Administration-Los Alamos Field Office (NA-LA) and the 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, submit the enclosed report, *Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit* (Report) to the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB).

The Report is required by the Los Alamos National Laboratory Hazardous Waste Facility Permit (Permit) Section 1.9.13, *Written Reporting of a Non-threatening Release* and Permit Section 1.9.14, *Other Noncompliance*. The Permit requires the Permittees to report all instances of noncompliance with the Permit and to report any releases (at or from permitted units) that did not pose a threat to human health or the environment. The Permit requires that the Report be submitted annually by December 1 for the fiscal year ending September 30.

Enclosure 1 addresses instances of noncompliance with the Permit and releases at permitted units under operational control of NA-LA/Triad. Enclosure 2 addresses instances of noncompliance with the Permit and releases at permitted units under operational control of EM-LA/N3B. Each enclosure includes a certification page from the responsible Permittee.

If you have questions or comments for Triad concerning this submittal, please contact Karen E. Armijo (NA-LA) at (505) 665-7314 or Patrick L. Padilla (Triad) at (505) 412-0462.

If you have questions or comments for N3B concerning this submittal, please contact Arturo Duran (EM-LA) at (575) 373-5966 or Christian Maupin (N3B) at (505) 695-4281.



Sincerely,

Digitally signed by **KAREN** KĂREŃ AŘMIJO Date: 2022.11.21 **ARMIJO** 09:47:58 -07'00'

Karen E. Armijo

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

Sincerely,

M Lee Bishop Digitally signed by M Lee Bishop Date: 2022.11.28 11:37:06 -07'00'

M. Lee Bishop, Director

Office of Quality and Regulatory Compliance **Environmental Management** Los Alamos Field Office U.S. Department of Energy

- Enclosures: (1) Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit U.S. Department of Energy, National Nuclear Security Administration-Los Alamos Field Office, and Triad National Security, LLC
 - (2) Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit U.S. Department of Energy, Environmental Management-Los Alamos Field Office, and Newport News Nuclear BWXT-Los Alamos, LLC

Copy w/enclosures:

Laurie King, USEPA/Region 6, Dallas, TX, king.laurie@epa.gov Rick Shean, NMED-HWB, Santa Fe, NM, rick.shean@state.nm.us Neelam Dhawan, NMED-HWB, Santa Fe, NM, neelam.dhawan@state.nm.us Siona Briley, NMED-HWB, Santa Fe, NM, siona.briley@state.nm.us Mitchell Schatz, NMED-HWB, Santa Fe, NM, mitchell.schatz@state.nm.us Theodore A. Wyka, NA-LA, theodore.wyka@nnsa.doe.gov Stephen Hoffman, NA-LA, stephen.hoffman@nnsa.doe.gov P. Erika Baeza-Wisdom, NA-LA, Erika.wisdom@nnsa.doe.gov Jason Saenz, NA-LA, Jason.saenz@nnsa.doe.gov Karen E. Armijo, NA-LA, karen.armijo@nnsa.doe.gov Adrienne L. Nash, NA-LA, Adrienne.nash@nnsa.doe.gov Robert A. Gallegos, NA-LA, robert.gallegos@nnsa.doe.gov Michael Mikolanis, EM-LA, michael.mikolanis@em.doe.gov M. Lee Bishop, EM-LA, lee.bishop@em.doe.gov David Nickless, EM-LA, David.nickless@em.doe.gov John Evans, EM-LA, john.h.evans@em.doe.gov Arturo Duran, EM-LA, Arturo.duran@em.doe.gov Cheryl Rodriguez, EM-LA, Cheryl rodrigues@em.doe.gov Jesse Kahler, EM-LA, jesse.kahler@em.doe.gov William R. Mairson, Triad, ALDESHQ, wrmairson@lanl.gov Jeannette T. Hyatt (Jnette), Triad, EWP, jhyatt@lanl.gov Sylvia de la Sancha, Triad, EWP, sdelasancha@lanl.gov Jennifer E. Payne, Triad, EPC-DO, jpayne@lanl.gov Kristen A. Honig, Triad, EPC-DO, khonig@lanl.gov Andie McLaughlin-Kysar, Triad, EPC-DO, andiek@lanl.gov Deepika Saikrishnan, Triad, EPC-DO, Deepika@lanl.gov



Jessica L. Moseley, Triad, EPC-WMP, <u>imoseley@lanl.gov</u> Patrick L. Padilla, Triad, EPC-WMP, plpadilla@lanl.gov Cecilia Trujillo, Triad, EPC-WMP, ceciliat@lanl.gov Catherine Juarez, Triad, EPC-WMP, <u>cjuarez@lanl.gov</u> Kristen Van Horn, Triad, EPC-WMP, klv@lanl.gov Kim Lebak, N3B, kim.lebak@em-la.doe.gov Joseph Legare, N3B, joseph.legare@em-la.doe.gov Dana Lindsay, N3B, dana.lindsay@em-la.doe.gov Erik Loechell, N3B, erik.loechell@em-la.doe.gov Robert Macfarlane, N3B, robert.macfarlane@em-la.doe.gov Christian Maupin, N3B, christian.maupin@em-la.doe.gov Pamela Maestas, N3B, pamela.maestas@em-la.doe.gov William Alexander, N3B, William.alexander@em-la.doe.gov rcra-prr@lanl.gov eshqss-dcrm@lanl.gov locatesteam@lanl.gov epccorrespondence@lanl.gov lasomailbox@nnsa.doe.gov n3brecords@em-la.doe.gov EMLA.docs@em.doe.gov interface@lanl.gov N3Binterface@em-la.doe.gov





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National Nuclear Security Administration Los Alamos Field Office 3747 West Jemez Road, A316 Los Alamos, New Mexico 87544 (505) 667-5105/Fax (505) 667-5948 Environmental Management Los Alamos Field Office 1200 Trinity Drive, Suite 400P Los Alamos, New Mexico 87544 (240) 562-1122

Date: December 1, 2022

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

Subject: Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the

Los Alamos National Laboratory Hazardous Waste Facility Permit,

Los Alamos National Laboratory, EPA ID #NM0890010515

Dear Mr. Shean:

The United States Department of Energy (DOE) and its field offices, the National Nuclear Security Administration-Los Alamos Field Office (NA-LA) and the 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, submit the enclosed report, Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit (Report) to the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB).

The Report is required by the Los Alamos National Laboratory Hazardous Waste Facility Permit (Permit) Section 1.9.13, Written Reporting of a Non-threatening Release and Permit Section 1.9.14, Other Noncompliance. The Permit requires the Permittees to report all instances of noncompliance with the Permit and to report any releases (at or from permitted units) that did not pose a threat to human health or the environment. The Permit requires that the Report be submitted annually by December 1 for the fiscal year ending September 30.

Enclosure 1 addresses instances of noncompliance with the Permit and releases at permitted units under operational control of NA-LA/Triad. Enclosure 2 addresses instances of noncompliance with the Permit and releases at permitted units under operational control of EM-LA/N3B. Each enclosure includes a certification page from the responsible Permittee.

If you have questions or comments for Triad concerning this submittal, please contact Karen E. Armijo (NA-LA) at (505) 665-7314 or Patrick L. Padilla (Triad) at (505) 412-0462.

If you have questions or comments for N3B concerning this submittal, please contact Arturo Duran (EM-LA) at (575) 373-5966 or Christian Maupin (N3B) at (505) 695-4281.



ENCLOSURE 1

Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit
U.S. Department of Energy, National Nuclear Security
Administration-Los Alamos Field Office, and Triad National Security, LLC

Date: ____ December 1, 2022

EPC-DO-22-295 LA-UR-22-32005

U.S. Department of Energy, National Nuclear Security Administration-Los Alamos Field Office, and Triad National Security, LLC



Fiscal Year 2022 Non-Compliance Report

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 PAYNF (Affiliate) Date Date Date PAYNF (Affiliate) Date Da	gitally signed by NNIFER PAYNE (Affiliate) te: 2022.11.15 12:24:11 ''00'		
Jennifer E. Payne Division Leader Environmental Protection and Co Triad National Security, LLC Los Alamos National Laboratory	·	Date Signed	
KAREN ARMIJO Date: 2022.11.21 09:49:26 -07'00'			
Karen E. Armijo Permitting and Compliance Prog National Nuclear Security Admin Los Alamos Field Office U.S. Department of Energy	•	Date Signed	

Introduction

This annual report has been prepared by the U.S. Department of Energy (DOE), National Nuclear Security Administration-Los Alamos Field Office (NA-LA) and Triad National Security, LLC (Triad) to meet a reporting requirement of the Los Alamos National Laboratory (LANL or the Laboratory) Hazardous Waste Facility Permit (Permit). Permit Sections 1.9.13 and 1.9.14 require reporting of: (1) any non-threatening release of hazardous waste or constituents from or at a permitted unit and (2) all instances of noncompliance with the Permit. Additionally, under the Permit, such report must be submitted to the New Mexico Environment Department-Hazardous Waste Bureau annually, by December 1, for the previous year ending September 30. The following report covers the reporting period October 1, 2021, through September 30, 2022 (Reporting Period).

Please note that Enclosure 1 addresses only releases and instances of noncompliance at permitted units under operational control of Triad/NA-LA.

For the Reporting Period, none of the identified releases or incidents of noncompliance detailed within this report posed a potential threat to human health or the environment.

Facility Information

Owner and Operator:

United States Department of Energy 3747 West Jemez Road, MS A316 Los Alamos, NM 87544

Co-Operator:

Triad National Security, LLC PO Box 1663 Los Alamos, NM 87545

Facility:

Los Alamos National Laboratory Bikini Atoll Road, SM-30 Los Alamos, NM 87545

Releases from or at a Permitted Unit

During the Reporting Period, there were two releases within or from a permitted unit under the operational control of Triad, which are described below. Regarding the term "release," as used in this report, the Permit defines a release as "any accidental or intentional spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, or dumping of any hazardous waste or hazardous constituents inside a permitted unit or from a permitted unit to the environment, including the abandonment or discarding of barrels, containers, and other

closed receptacles containing hazardous waste or hazardous constituents." *See* Permit, at § 1.8.

TA-3-29-9010

An eyewash station was discovered to be leaking in permitted unit 9010A on May 23, 2022 at approximately 11am. The handle on the eyewash station in Room 9010 was discovered to have not completely closed after the monthly maintenance check. As a result, approximately five (5) gallons of water leaked out of the eyewash station and onto the floor. When discovered, the handle was closed completely, the water was contained with absorbent pigs to ensure no migration, cleaned up and containerized. On May 24, 2022 analysis for radioactivity was conducted; the results were non-detect. On May 31, 2022 analysis for Resource Conservation Recovery Act (RCRA) metals and Polychlorinated biphenyls (PCB) was conducted; the results were non-detect. Further analysis to meet the waste acceptance criteria for the Radioactive Waste Liquid system for disposal are currently pending and expected to be completed by December 5th, 2022. A facility service request was initiated on May 31, 2022 to repair the eyewash station; however, the maintenance personnel determined the issue was operator error for not closing the valve all the way and the FSR was closed.

The release from this permitted unit was not a risk to the public, human health or the environment. The release was at an indoor unit with no migration to the outside; therefore, there was no impact to Solid Waste Management Units (SWMUs), Areas of Concerns (AOCs), or water courses.

TA-55-4-401, Mixed Waste Storage Tank System

On September 22, 2022, a leaking valve from an anion exchange resin process leaked a few milliliters of solution onto the secondary containment floor of the permitted unit. The solution was wiped up from the floor and the valve isolated and put in a safe condition. The valve was replaced on October 13, 2022. The corrective action plan is to replace the pipes to ensure no further leaks from the system. The facility has a work request to have the pipes fabricated and installed; however, it is expected to take several months for the fabrication and installation to be complete.

The release from this permitted unit was not a risk to the public, human health or the environment. The release was at an indoor unit with no migration to the outside and therefore there was no impacts to Solid Waste Management Units (SWMUs), Areas of Concerns (AOCs) or water courses.

Courtesy Notification of a Non-Threatening Release

TA-59-0001

On May 14, 2022, at approximately 8:30am, a spill of an unknown material, with an odor, totaling 1 liter or less of liquid, was discovered outside of TA-59-0001 in a dirt area between the sidewalk and the building. The spill was reported to the Emergency Operations Support Center (EOSC), the Hazardous Material Response Team (HAZMAT), and the LANL "spill pager." HAZMAT and the on-call personnel for the LANL spill pager responded and cordoned off the area for evaluation. Subject Matter Experts determined that the spill area was roughly one foot by three feet in diameter based on the dampness of the area. The depth was determined to be shallow and the observed surface area of the spill; HAZMAT estimated the volume to be approximately 1 liter or less. The spill did not reach any storm drains or storm water discharge conveyances; was not located near any such conveyances; and there was no precipitation in the forecast. A volume of soil, within the one-by-three-foot area of the spill, was excavated and the soil was placed it into 5-gallon buckets and sampled for off-site analysis.

Subsequent analyses determined chemicals were detected in the soil above residential soil screening levels for benzene, chloroform, and methylene chloride and chemicals detected above soil background levels were mercury, sodium, and zinc. After receipt of analytical results, additional excavation of soil was conducted to ensure any potential residual contamination was removed. Following a conservative approach, two additional 55-gallon drums of soil were excavated from the site and conservatively managed as hazardous waste. These drums were shipped off-site for disposal on August 30, 2022. Verification samples were collected to confirm that any contaminant concentrations are below residential soil screening levels. Analytical results determined residual concentrations were below residential soil screening levels and the excavation was backfilled with clean fill. It was determined that out of an abundance of caution and for transparency, the event would be appropriate to report in this annual report although it did not meet notification requirements.

The Permittees have taken this event seriously and are actively developing corrective actions to prevent recurrence. Additionally, on September 12, 2022, compliance personnel delivered a Safety, Security, and Environmental share on Unplanned Releases, their consequences and how to get help to prevent such spills in the future to the organization (Science and Technology Operations) housed within TA-59-0001 as well as many waste generators from other organizations. For additional awareness, this briefing was recorded and made a mandatory waste compliance and waste management briefing for all waste generators.

Instances of Noncompliance with the Permit

For the Reporting Period, Triad documented ten (10) instances of noncompliance with the Permit. These occurrences are provided in Table 1, *Fiscal Year 2022 Noncompliance Reporting* and are organized by area.

Summary of Corrective Actions

As part of the LANL commitment to environmental, health, and safety (EHS) excellence and continuous improvement, the Permittees are dedicated to ongoing efforts to evaluate, refine, and optimize pollution prevention, waste minimization, and environmental management systems, processes, and tools to ensure compliance with the Permit. Facility operators, EHS subject matter experts, and waste management personnel continue to identify and implement corrective actions, such as a feedback process to confirm that weekly inspections have been conducted, as a best management practice to ensure compliance.

Table 1: Fiscal Year 2022 Noncompliance Reporting

	0	0				
Date of Discovery	Permitted Unit Location	Noncompliance	Quantity of Material	Number of Instances	Period of Noncompliance	Steps Taken to Resolve
2/11/2022	TA-54-38 West Outdoor Pad	Danger signs required to be posted along the outside of the treatment and storage facility were not posted in English, Spanish, and Tewa as required by Permit Section 2.5.1. The signs were written in only English and Spanish.	8 signs	-	2/11/2022- 3/1/2022	The signs in Tewa were posted every 25 feet in accordance with Permit Section 2.5.1. Additional signs have been ordered to keep on hand should current signs fade or need to be replaced.
6/21/2022	TA-54-38 West Outdoor Pad	Three containers were missing the hazard indicator(s) labels as required by Permit Section 3.6(1).	3 containers	-	6/21/2022-	Hazard Indicator stickers for toxicity were applied to each container as soon the issue was discovered. The Permittees have undertaken an initiative to update the label printing ability to include all applicable operating record information on the label, including the hazard indicator(s).
2/11/2022	TA-63 Transuranic Waste Facility Buildings 149, 151, and 152	A "Radioactive Waste" label covered the words "Hazardous Waste" on the label, This issue is a noncompliance with Permit Section 3.6(1) and/or Permit Section 2.12.2.	4 containers	_	2/11/2022-	New all in one labels were printed and placed on the containers so that the words "Hazardous waste" and "radioactive waste" were clearly seen. Training by the Resource Recovery Act (RCRA) Team has been provided as on the job training (OJT) refresher with waste operators since this finding. Operators were reminded that, during weekly RCRA inspections there is a reasonable expectation that waste in inventory is verified against an operating record printout. Additional RCRA OJT was conducted with the appropriate shipping team who conduct drum verification checks at TA-55 before drums are sent to the Transuranic Waste Facility. Also, it was stressed that labels need to be able to be clearly read and verified with operating record.

Date of Discovery	Permitted Unit Location	Noncompliance	Quantity of Material	Number of Instances	Period of Noncompliance	Steps Taken to Resolve
6/6/2022	TA-63 Transuranic Waste Facility Building 151	Seven containers were missing the hazard indicator(s) labels as required by Permit Section 3.6(1).	7 containers	~	6/6/2022-6/6/2022	Hazard Indicator stickers for toxicity were applied to each container as soon the issue was discovered. The Permittees have undertaken an initiative to update the label printing ability to include all applicable operating record information on the label, including the hazard indicator(s) and have stressed to the operators the importance of having all the required information on the lables.
9/26/2022	TA-63 Transuranic Waste Facility Building 149	One container was missing the hazard indicator(s) label as required by Permit Section 3.6(1).	1 container	~	9/26/2022-	A Hazard Indicator sticker for toxicity was applied to the container as soon the issue was discovered. The Permittees have undertaken an initiative to update the label printing ability to include all applicable operating record information on the label, including the hazard indicator(s) and have stressed to the operators the importance of having all the required information on the lables
3/24/2022	TA-55 Outdoor Storage Pad	One container was missing the hazard indicator(s) labels as required by Permit Section 3.6(1).	1 container	~	3/24/2022- 3/24/2022	A Hazard Indicator sticker for toxicity was applied to the container as soon the issue was discovered. The Permittees have undertaken an initiative to update the label printing ability to include all applicable operating record information on the label, including the hazard indicator(s) and have stressed to the operators the importance of having all the required information on the labels

Date of Discovery	Permitted Unit Location	Noncompliance	Quantity of Material	Number of Instances	Period of Noncompliance	Steps Taken to Resolve
3/24/2022	TA-55-355 Pad	An operator aid label on a waste container indicating "Radioactive Waste" covered the "Hazardous Waste" label. The waste in the container was mixed hazardous transuranic (TRU) waste, this is a noncompliance with Permit Section 3.6(1).	1 container	-	3/24/2022- 3/24/2022	The "Radioactive Waste" label that was a operator aid label and not an official "Radioactive Waste" desginated label, which was on another area of the drum to signify it was mixed waste, the operator aid label was removed. The operator aid label was removed to show the correct "Hazardous Waste" and "Radioactive Waste" labels at the time of discovery. The container is mixed transuruanic waste and is labelled and stored compliantly. The operators have been reminded of the importance of ensuring only the approved and correct labels should be placed upon the drums.
5/24/2022	TA-55-4, B13	A container was missing the accumulation start date on the hazardous waste label as required by Permit Section 3.6(1).	1 container	7	5/24/2022- 5/24/2022	The accumulation start date was added immediately when the noncompliance was identified.
9/20/2022	TA-55-4, B40	A waste stream profile (WSP) evaluation was performed and determined the waste did not meet requirements of a F003 EPA code. The F003 code was removed from the WSP in Waste Compliance And Tracking System (WCATS); however, the waste code was not immediately removed from the label on the waste containers. This is a noncompliance with Permit Section 2.12.2	4 containers	~	10/11/2022	The labels were updated and the EPA Hazardous Waste Number F003 was removed from the labels on the containers in question upon discovery and labels with the updated corrected information were placed upon the containers.
3/14/2022	TA-3-29	An individual performing work within the permitted area was expired on required RCRA Refresher Training, Course #28582. This is a noncompliance of Permit Attachment F, Personnel Training.	Not Applicable	~	3/14/2022-	The training was completed the day after discovery, 3/15/2022 at 06:48 AM. The RCRA compliance assistance team commenced providing additional reminders for personnel who need hazardus waste compliance required training that is over and beyond the reminders provided by the facility database for training (UTrain).

ENCLOSURE 2

Fiscal Year 2022 Reporting of Releases and Instances of Noncompliance with the Los Alamos National Laboratory Hazardous Waste Facility Permit,

U.S. Department of Energy, Environmental Management,

Los Alamos Field Office, and Newport News Nuclear

BWXT-Los Alamos, LLC

5 (October 31, 2022	
Date:		

U.S. Department of Energy,
Environmental Management-Los Alamos Field Office, and
Newport News Nuclear BWXT-Los Alamos, LLC

Fiscal Year 2022 Reporting of Noncompliance and Releases for Newport News Nuclear BWXT-Los Alamos, LLC

Los Alamos National Laboratory Hazardous Waste Facility Permit





CERTIFICATION

Fiscal Year 2022 Reporting of Noncompliance and Releases for Newport News Nuclear BWXT-Los Alamos, LLC

CERTIFICATION STATEMENT OF AUTHORIZATION

In accordance with the New Mexico Administrative Code Title 20, Chapter 4, Part 1 (incorporating the Code of Federal Regulations, Title 40 CFR § 270.11):

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with 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."

Report Maryan	October 25, 2022
Robert Macfarlane, Program Manager Environment, Safety, Health and Quality	Date
Newport News Nuclear BWXT-Los Alamos, LLC	
M Lee Bishop Digitally signed by M Lee Bishop Date: 2022.10.31 10:56:34 - 06'00'	
M. Lee Bishop, Director	 Date

Office of Quality and Regulatory Compliance

U.S. Department of Energy Environmental Management Los Alamos Field Office

1.0 INTRODUCTION

This report has been prepared by the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA) and Newport News Nuclear BWXT-Los Alamos, LLC (N3B), collectively the Permittees, to meet the reporting requirements of the Los Alamos National Laboratory Hazardous Waste Facility Permit (the Permit). Permit Sections 1.9.13 and 1.9.14 require reporting any non-threatening releases of hazardous waste or constituents from, or at, a permitted unit, and all instances of noncompliance with the Permit. This report must be submitted by December 1 of each year.

This report addresses N3B-operator-associated releases and instances of noncompliance from October 1, 2021, through September 30, 2022.

- There were no releases of hazardous waste or constituents from or within permitted areas.
- None of the instances of Permit noncompliance detailed in this report posed a potential threat to human health or the environment.
- Two containers with liquids cannot immediately be placed on secondary containment because of the approved evaluation of the nuclear safety of the current storage situation. However, multiple compensatory measures are in use, including daily inspections and the use of absorbent socks/pads around each container.
- With the exception of the two containers which are not stored on secondary containment, all
 noncompliance issues have either been corrected or are in the process of correction to achieve
 compliance.

2.0 FACILITY INFORMATION

Owner and Operator:

United States Department of Energy
Environmental Management Los Alamos Field Office
1200 Trinity Drive, Suite 400
Los Alamos, NM 87544
(505) 257-7950

Co-Operator:

Newport News Nuclear BWXT-Los Alamos, LLC 1200 Trinity Drive, Suite 150 Los Alamos, NM 87544 (505) 661-5918

Facility:

Technical Area 54
Los Alamos National Laboratory
Mesita del Buey Road
Los Alamos, NM 87545
(505) 661-5918

3.0 RELEASES FROM OR WITHIN A PERMITTED UNIT

During the period of October 1, 2021, through September 30, 2022, there were no releases at, or from, a permitted unit under N3B management.

4.0 INSTANCES OF PERMIT NONCOMPLIANCE

From October 1, 2021, through September 30, 2022, eight instances of Permit noncompliance were documented and are listed in Table 1.

5.0 SUMMARY OF IMPROVEMENTS

N3B continues to develop new waste-management policies and procedures, and to make improvements to existing policies and procedures, to ensure that operations comply with the Permit. N3B is working to improve the identification of Permit noncompliance to prevent recurrence.

Staff recently received refresher training for inspection and labeling procedures, and Contact-Handled Transuranic Waste staff attended workshops to promote RCRA permit knowledge. These refresher trainings are ongoing.

N3B recently added additional personnel to serve as RCRA inspectors, and implemented human and organizational performance improvement (HPI) tools to ensure that containers are stored in compliance with the Permit. HPI tools include the use of large blue stickers on containers with liquids for easy identification.

Table 1 Fiscal Year 2022 Noncompliance Report for N3B

			Fiscal Year 2022 Noncompliance Report for N3B	or N3B		
Date of Discovery	TA-54a Permitted Unit Location	Permit Section or CFR ^b Reference	Noncompliance Description	Days Out of Compliance	Corrective Actions Taken/Additional Information	
3/22/2022	TA-54, Pad 1	Permit Condition 2.6.2	During an internal facility inspection, recurrence of a previously repaired crack in the asphalt ground surface of Pad 1 was identified.	139	The recurring crack was filled and repaired on 8/08/2022. Crack sealant/filler can only be successfully applied during the warm weather months.	
6/18/2022	TA-54 Dome 49	Permit Attachment D Contrigency Plan TABLE D-2 TA-54 AREA G Emergency Equipment	Fire-alarm pull stations are out of service.	0	During severe weather events on 6/18/2022 and 6/19/2022, the fire alarm for Dome 49 was activated, on both occasions resulting in a response by the Los Alarnos Fire Department. In each case, the facility was cleared as free of fire. A fire watch was implemented overnight on 6/19-06/20, and all pull stations in Dome 49 were tagged as out of service. Personnel returning to work at TA-54 on Monday, June 20th were notified of the modified condition involving the impairment of the alarm at Dome 49. As Dome 49 were stagged as out of service. Personnel returning to work at TA-54 on Monday, June 20th were notified of the modified condition involving the impairment of the alarm at Dome 49. As Dome 49 as the time undergoing re-skinning, no waste was stored in this facility during the alarm advations. No threat to human health or the environment occurred as a result of this situation. An evaluation of the Dome 49 alarm system was completed on June 20, 2022, resulting in the identification of needed replacement parts. The necessary parts were ordered, and as of 9/30/2022, celivery was pending. The pull stations will remain out of service until repairs are completed. NMED* was an origined of this condition on 6/21/2022.	
8/16/2022	TA-54 Building 0039	Permit Conditions 3.2, 3.6(1)	During an internal facility inspection, waste lead-acid batteries, which are managed as universal waste in accordance with 40 CFR 273.33, were noted to have beaked onto the underlying secondary containment pallet, and the waste was not properly labelled. No indication that a release occurred to the ground surface was noted.	31	The waste batteries were property labelled on 8/16/2022. The waste batteries were containerized in compliance with 40 CFR 273.33 on 9/08/2022. This mitigation was delayed due to a work pause in place at this facility.	-
8/16/2022	TA-54 Pad 10	Permit Condition 2.5.1	During an internal facility inspection, a Permit-required sign was not posted properly; it was observed unsecured and propped up against a post.	2	The sign was replaced as required by the Permit.	
8/18/2022	TA-54 Dome 153	Permit Condition 3.12.2.1	During an internal facility inspection, it was found that, during a rain event, stormwater intrusion was occurring from underneath the perimeter curb on the southwest corner of Dome 153.	7	Repair of the damaged curb was initiated on 8/25/2022; completion of the repairs was pending as of 9/30/2022.	
8/18/2022	TA-54 Pad 10, Domes 229, 230, 232, 232	Permit Condition 1.9.6	During an internal facility inspection, caution tags on the emergency evacuation notification system were faded and not legible.	0	The caution tags are intended to notify TA-54 personnel of the inoperable status of the emergency evacuation notification system. However, the inoperable condition of the PA system has been mitigated with the required use of two way radios/cell phones as back-up or auxiliary systems to the notification system. NMED was notified of this condition and N3Bs intent to modify Permit Attachment D Contingency Plan to reflect current conditions on 4/27/2022. A Permit modification request is being prepared to update Attachment D Contingency Plan to reflect the progression to modern emergency communication technology.	
9/27/21	TA-54 Dome 232	Permit Conditions 3.7.1, 3.12	During an extent-of-condition evaluation, two containers (#5823829 for and LA00000069044), labelled as containing free liquids, were identified as not stored on secondary containment.	Pending	NMED was notified of this noncompliance by email on 10/6/2021. The drums cannot be moved immediately as they are either potentially-energetic Tech-46 containers or situated in close proximity to potentially-energetic Tech-46 containers or situated in close proximity to potentially-energetic Tech-46 containers. Compensatory measures include the use of absorbent socks placed around each container, absorbent pads placed undermeath, and daily inspections until these containers can be moved to secondary containment.	_
12/13/2021	Not applicable, subject waste was located at TA-21	40 CFR 262.17(a)	Waste which was initially characterized as non-hazardous low level waste was later determined by analysis to be D006 waste.	149	Two roll off containers holding soil from N3B's Middle DP Road project were characterized and managed as non-RCRA (low-level waste) waste on 07/26/21 (container DB1694) and 8/24/2021 (container 6122). Upon receipt of analytical results indicating these containers met criteria for hazardous waste based on toxicity characteristic leaching procedure results for cadmium, waste management was modified to comply with applicable RCRA requirements on 12/14/2021. NMED was notified of this condition on 12/17/2021 and both containers were shipped off site for disposal on 12/22/2021.	
a TA-54 = Technical Area 54.	за 54.					1

^a TA-54 = Technical Area 54.

^b CFR = Code of Federal Regulations
^c NMED = New Mexico Environment Department

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