



# U.S. DEPARTMENT OF ENERGY

## *Environmental Management*

Los Alamos Field Office  
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## *National Nuclear Security Administration*

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3747 West Jemez Road, MS A316  
Los Alamos, New Mexico 87544  
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Date: **FEB 12 2020**  
Refer To: N3B-20-0022

Ms. Siona Briley, STP Project Manager  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

**Subject: Notice of Completion of Off-Site Waste Shipments for the First Quarter of Fiscal Year 2020 for Los Alamos National Laboratory as Required by the Federal Facility Compliance Order Site Treatment Plan, Compliance Plan, Activity 4.0**

Dear Ms. Briley:

This letter notifies the New Mexico Environment Department (NMED) of the completion of off-site waste shipments for the first quarter of fiscal year (FY) 2020 for Los Alamos National Laboratory (LANL) by the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA); the DOE National Nuclear Security Administration Los Alamos Field Office (NA-LA); Newport News Nuclear BWXT-Los Alamos, LLC (N3B); and Triad National Security, LLC (Triad) as set forth in the Federal Facility Compliance Order (FFCO) Site Treatment Plan (STP), Compliance Plan, Activity 4.0, regarding the shipment of mixed transuranic (MTRU) waste.

The following relevant activities took place during the first quarter of FY 2020 (October 1, 2019, through December 30, 2019):

1. DOE EM-LA/N3B shipped one (1) MTRU waste shipment (total volume of 3.148 m<sup>3</sup>) to the Waste Isolation Pilot Plant (WIPP) in Carlsbad, New Mexico, on October 1, 2019. This shipment contained six (6) 55-gal. drums and one (1) standard waste box (SWB). Table 1 presents the total volume of MTRU, sorted by treatability group. A copy of the waste manifest form is included in Enclosure 1.
2. DOE NA-LA/Triad shipped one (1) MTRU waste shipment (total volume of 2.912 m<sup>3</sup>) to WIPP in Carlsbad, New Mexico, on October 3, 2019. This shipment contained fourteen (14) 55-gal.

drums. Table 2 presents the total volume of MTRU, sorted by treatability group. A copy of the waste manifest form is included in Enclosure 2.

In the tables below, the MTRU waste volume is reported in cubic meters and rounded to three decimal places, as listed in the LANL waste management database. The LANL waste management database references the following: (1) a 55-gal. drum is 0.208 m<sup>3</sup> and (2) an SWB is 1.900 m<sup>3</sup>.

**Table 1**  
**DOE EM-LA/N3B Total Volume of MTRU Waste**  
**Shipped to WIPP Sorted by Treatability Group**

STP Section	Treatability Group	Volume Removed from STP Inventory (m <sup>3</sup> )	Volume Shipped (m <sup>3</sup> )	No. of 55-gal. Containers (0.208 m <sup>3</sup> each)	No. of SWB Containers (1.9 m <sup>3</sup> each)
4	Cemented sludge waste	1.04	1.04	5	0
4	Combustible-noncombustible waste	2.108	2.108	1	1
<b>Total MTRU Waste Volume Shipped</b>		3.148	3.148	6	1

**Table 2**  
**DOE NA-LA/Triad Total Volume of MTRU Waste**  
**Shipped to WIPP Sorted by Treatability Group**

STP Section	Treatability Group	Volume Removed from STP Inventory (m <sup>3</sup> )	Volume Shipped (m <sup>3</sup> )	No. of 55-gal. Containers (0.208 m <sup>3</sup> each)	No. of SWB Containers (1.9 m <sup>3</sup> each)
4	Combustible-noncombustible waste	2.912	2.912	14	0
<b>Total MTRU Waste Volume Shipped</b>		2.912	2.912	14	0

The total combined volume of MTRU waste shipped to WIPP in the first quarter of FY 2020 was 6.06 m<sup>3</sup>. No MLLW waste was shipped for disposal in the first quarter of FY 2020.

If you have any questions regarding DOE EM-LA/N3B STP-covered wastes, please contact Jennifer von Rohr at (505) 695-4365 ([jennifer.vonrohr@em-la.doe.gov](mailto:jennifer.vonrohr@em-la.doe.gov)) or Elizabeth Churchill at (505) 257-7905 ([elizabeth.churchill@em.doe.gov](mailto:elizabeth.churchill@em.doe.gov)). If you have any questions regarding DOE NA-LA/Triad STP-covered wastes, please contact Avril Millensted at (505) 665-3350 ([avril.millensted@lanl.gov](mailto:avril.millensted@lanl.gov)) or Adrienne Nash at (505) 665-5026 ([adrienne.nash@nnsa.doe.gov](mailto:adrienne.nash@nnsa.doe.gov)).

**Certification**

In accordance with the requirements of Section XX of the FFCO, "Documents, Information, and Reporting Requirements," we certify, as the project managers responsible for overseeing the implementation of the STP for LANL, and representing DOE EM-LA, DOE NA-LA, N3B, and Triad, that to the best of our knowledge, the information in this document is true, accurate, and complete.

Sincerely,



Jennifer von Rohr  
STP Project Manager  
Environment, Safety, and Health  
N3B

Sincerely,




Elizabeth Churchill  
STP Project Manager  
Environmental Management  
Los Alamos Field Office

Sincerely,



Avril Millensted  
STP Project Manager  
Waste Management Programs  
Triad

Sincerely,



Adrienne Nash  
STP Project Manager  
National Nuclear Security Administration  
Los Alamos Field Office

Enclosure(s): 1. DOE EM-LA/N3B Shipment Manifest for MTRU Waste  
2. DOE NA-LA/Triad Waste Shipment Table and Shipment Manifest for MTRU Waste

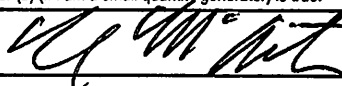
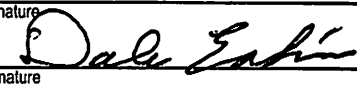
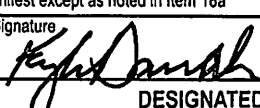
cc (letter and enclosure[s] emailed):

Laurie King, EPA Region 6, Dallas, TX  
Siona Briley, NMED-HWB  
Peter Maggiore, NA-LA  
Adrienne Nash, NA-LA  
Jody Pugh, NA-LA  
Darlene Rodriguez, NA-LA  
Lee Bishop, EM-LA  
Elizabeth Churchill, EM-LA  
Jesse Kahler, EM-LA  
David Nickless, EM-LA  
Cheryl Rodriguez, EM-LA  
Pete Carson, LANL  
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Ellena Martinez, LANL  
Avril Millensted, LANL  
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Public Reading Room (EPRR)  
epc-correspondence@lanl.gov  
rcra-prr@lanl.gov

**ENCLOSURE 1**

**DOE EM-LA/N3B Shipment Manifest for MTRU Waste**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NM0890010515</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(575) 885-6883</b>	4. Manifest Tracking Number <b>010505486 FLE</b>					
5. Generator's Name and Mailing Address <b>H3B LLC on Behalf of USDOE 1200 Trinity Drive, Suite 150 Los Alamos, NM 87544 Generator's Phone: (505) 695-8514</b>				Generator's Site Address (if different than mailing address) <b>H3B LLC on Behalf of USDOE TA-54, Area G Los Alamos, NM 87544</b>						
6. Transporter 1 Company Name <b>CAST Specialty Transportation, Inc.</b>					U.S. EPA ID Number <b>COR000206722</b>					
7. Transporter 2 Company Name					U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>USDOE In Care of WIPP Nuclear Waste Partnership 30 Miles SE of Carlsbad on Jal Highway Carlsbad, NM 88221 Facility's Phone: (575) 234-8125</b>					U.S. EPA ID Number <b>NM4890139088</b>					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
				No.	Type					
	RQ	1. UN3328, Waste Radioactive Material, Type B(U) package, fissile, 7, HRCQ, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, 4.64E+00TBq, Solid, Oxide, Yellow-III, TI=0.4, CSI=0.0, USA/9218/B(U)F-96, TP-158		1	CM	1,855	KG	D004	D005	D006
								D007	D008	D009
	RQ	2. UN3328, Waste Radioactive Material, Type B(U) package, fissile, 7, Am-241, Pu-238, Pu-239, Pu-241, 2.51E+00TBq, Solid, Oxide, Yellow-II, TI=0.4, CSI=0.0, USA/9218/B(U)F-96, TP-183		1	CM	1,367	KG	D004	D005	D006
								D007	D008	D009
RQ	3. UN3328, Waste Radioactive Material, Type B(U) package, fissile, 7, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, 7.27E-03TBq, Solid, Oxide, Yellow-II, TI=0.4, CSI=0.0, USA/9218/B(U)F-96, TP-204		1	CM	1,088	KG	D004	D005	D006	
								D007	D008	D009
		4.								
14. Special Handling Instructions and Additional Information <b>Shipment #LA190026, LANL POC - Nancy McAllister @ 505-695-8514, ERG #165, Highway Route Control Quantity (HRCQ) Shipment, Tractor #46, Trailer #C361, Gross Weights in Kilograms: TP-158=7,563KG, TP-183=7,166KG, TP-204=6,797KG. Emergency Response Information Provider - WIPP CMR. Ma 9.30.19 Tractor #C46</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Officer's Printed/Typed Name <b>Nancy McAllister</b>				Signature 			Month Day Year <b>10 01 19</b>			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name <b>DALE EAKIN</b>			Signature 			Month Day Year <b>10 01 19</b>			
	Transporter 2 Printed/Typed Name			Signature			Month Day Year			
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number:									
	18b. Alternate Facility (or Generator) U.S. EPA ID Number									
	Facility's Phone:						Month Day Year			
	18c. Signature of Alternate Facility (or Generator)						Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. <b>H132</b>		2. <b>H132</b>		3. <b>H132</b>		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <b>Kyle Darrach</b>				Signature 			Month Day Year <b>10 01 19</b>			

**ENCLOSURE 2**

**DOE NA-LA/Triad Waste Shipment Table and  
Shipment Manifest for MTRU Waste**

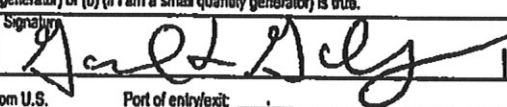
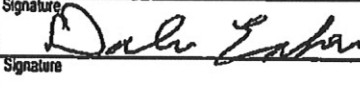
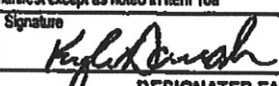
**EPC-DO: 20-009**

**LA-UR: 20-20318**



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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>HM0890010515</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(575) 885-6883</b>	4. Manifest Tracking Number <b>011197652 FLE</b>				
5. Generator's Name and Mailing Address <b>LANL ON BEHALF OF THE US DEPT OF ENERGY BIKINI ATOLL ROAD, BLDG SM-30; LOS ALAMOS, NM 87545 Generator's Phone: (505) 667-6211</b>									
6. Generator's Site Address (if different than mailing address) <b>Triad, LLC on Behalf of the US DEPT of Energy BIKINI ATOLL ROAD, BLDG SM-30; LOS ALAMOS, NM 87545</b>									
8. Transporter 1 Company Name <b>CART Transportation</b>				U.S. EPA ID Number <b>COR000206722</b>					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>U.S. DEPT. OF ENERGY C/O NUCLEAR WASTE PARTNERSHIP, LLC 30 MILES EAST OF CARLSBAD ON JAL HWY CARLSBAD, NM 86221 Facility's Phone: (575) 234-8457</b>				U.S. EPA ID Number <b>HM4890139088</b>					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes		
	RQ	1. UN3328, Waste Radioactive material, Type B(U) package, fissile, 7, HRCQ, Pu-238, Solid Elemental, Activity= 7.566E00 TBq, RADIOACTIVE YELLOW III, TI= 0.4 CSI=0.0 USA/9218/B(U)F-96 TP-139	1	CM	2,139	KG	D004	D005	D006
	RQ	2. UN3328, Waste Radioactive material, Type B(U) package, fissile, 7, HRCQ, Pu-238, Solid Elemental, Activity= 8.526E00 TBq, RADIOACTIVE YELLOW III, TI= 0.4 CSI=0.0 USA/9218/B(U)F-96 TP-145	1	CM	2,131	KG	D004	D005	D006
	RQ	3. UN2908, Radioactive material, excepted package-empty TP-148	1	CM	5,669	KG	D007	D008	D009
	X								
14. Special Handling Instructions and Additional Information <b>Shipment# LA190027, LANL POC: Gabriel Gallegos/Mestor Trujillo 505-412-7949/505-500-6129 Emergency response #165 Tractor#C46, Trailer#C-379 Gross Weights: TP#139= 7,950kg, TP#145= 7,987kg, TP#148= 5,669kg 35,5,669 kg Emergency Response Information Provider: Los Alamos National Laboratory (505)667-2400 AUA-VPA-35-47</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name <b>Gabriel L Gallegos</b>									
Signature 									
Month Day Year <b>10 03 19</b>									
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:								
	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name <b>DALE EAKIN</b>				Signature 		Month Day Year <b>10 03 19</b>		
	Transporter 2 Printed/Typed Name				Signature		Month Day Year		
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number								
	Facility's Phone:								
	18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <b>H132</b> 2. <b>H132</b> 3. 4.									
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a									
Printed/Typed Name <b>Kyle Darrach</b>				Signature 		Month Day Year <b>10 03 19</b>			