Los Alamos
NATIONAL LABORATORY
EST. 1943

ESHID-601833

Environmental Protection and Compliance Division
Environmental Compliance Programs (EPC-CP)
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National Nuclear Security Administration
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3747 West Jemez Road
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(505) 665-7314/Fax (505) 667-5948

Date: SEP 2 6 2016
Symbol: EPC-DO-16-221
LA-UR: 16-26002
Locates Action No.: N/A

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

Dear Mr. Kieling:

Subject: **Transmittal of Class 1 Permit Modification Request to Remove Structure TA-55-PF-190 from the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit, EPA ID No. NM0890010515**

The purpose of this letter is to submit a Class 1 permit modification request to remove one mobile structure located on the TA-55-4 Outdoor Container Storage Pad (TA-55-4 Outdoor Storage Pad) from the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit issued to the Department of Energy and Los Alamos National Security, LLC (the Permittees) in November 2010. The permit modification request provides proposed revisions to Permit Attachments A, G.26, J and N.

The proposed modifications have been prepared in accordance with the Code of Federal Regulations [CFR], Title 40 (40 CFR) § 270.42(a) as a permit modification requiring New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) approval. This Class 1 permit modification request consists solely of administrative changes in accordance with 40 CFR § 270.42, Appendix 1, Item A.1 and Permit Section 3.1(3). Permit Section 3.1(3) requires that all figures accurately reflect the location of all buildings and structures, regardless of whether they manage hazardous waste.

Included in this permit modification request package are the transmittal letter, a signed certification page, a signed affidavit and one enclosure. Enclosure 1 provides a description of the proposed changes and pages of revised text and/or Figures from Attachments A, G.26, J and N.

Included herein are three hard copies and one electronic copy of this submittal. The hardcopy submittal contains pages or sections where text has been changed, rather than copies of the entire collection of Permit

attachments. The electronic copy, provided only to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB), contains a reproduction of the hardcopy in portable document format (PDF) along with all the word processing files used to create the hardcopy.

Upon approval by the NMED-HWB, this permit modification will be sent to the NMED-HWB maintained LANL facility mailing list in accordance with 40 CFR § 270.42(a)(1)(ii) within ninety days of the transmittal of this permit modification request.

If you have comments or questions regarding this permit modification request, please contact Karen E. Armijo (DOE) at (505) 665-7314 or Mark Haagenstad (LANS) at (505) 665-2014.

Sincerely,

John C. Bretzke
Division Leader
Environmental Protection and Compliance Division
Los Alamos National Security, LLC

Sincerely,

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

JCB:KEA:MPH:SDG/lm

Enclosure: 1) Class 1 Permit Modification Request for Removal of TA-55-PF-190 Structure from Technical Area (TA)-55 Building 4 Outdoor Container Storage Pad (TA-55-4 Outdoor Pad)

Cy: Laurie King, USEPA/Region 6, Dallas, TX (E-File)
Kathryn M. Roberts, NMED/HWB, Santa Fe, NM, (E-File)
Dave Cobrain, NMED/HWB, Santa Fe, NM, (E-File)
Neelam Dhawan, NMED/HWB, Santa Fe, NM, (E-File)
Siona Briley, NMED/HWB, Santa Fe, NM (E-File)
Kimberly Davis Lebak, NA-LA, (E-File)
Peter Maggiore, NA-LA, (E-File)
Karen E. Armijo, NA-LA, E-File)
Jody M. Pugh, NA-LA, (E-File)
Craig S. Leasure, PADOPS, (E-File)
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Michael T. Brandt, ADESH, (E-File)
Raeanna Sharp-Geiger, ADESH, (E-File)
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Mark P. Haagenstad, EPC-CP, (E-File)
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COPY

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2905 Rodeo Park Drive East, Building 1
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The proposed modifications have been prepared in accordance with the Code of Federal Regulations [CFR], Title 40 (40 CFR) § 270.42(a) as a permit modification requiring New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) approval. This Class 1 permit modification request consists solely of administrative changes in accordance with 40 CFR § 270.42, Appendix 1, Item A.1 and Permit Section 3.1(3). Permit Section 3.1(3) requires that all figures accurately reflect the location of all buildings and structures, regardless of whether they manage hazardous waste.

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Included herein are three hard copies and one electronic copy of this submittal. The hardcopy submittal contains pages or sections where text has been changed, rather than copies of the entire collection of Permit

CERTIFICATION

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.

9-19-16

John C. Bretzke
Division Leader
Environmental Protection and Compliance Division
Los Alamos National Security, LLC
Operator

Date Signed

20 Sept 2016

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

Date Signed

LA-UR-16-26002

AFFIDAVIT

1. I, Keith A. Lacy, am an employee of Los Alamos National Security, LLC, at Los Alamos National Laboratory (LANL) and have been employed at LANL for 18 years.

2. I am the Group Leader of the Nuclear Process Infrastructure, Hazardous Materials Management group and oversaw hazardous and mixed low-level waste management operations at TA-55 since 2014.

3. The information in this affidavit reflects my personal knowledge of the TA-55-PF-190 container storage building, as well as information provided to me by the employees who undertake waste management operations at TA-55.

4. TA-55-PF-190 is a structure that contains a less than 90-day hazardous waste accumulation area. The TA-55-PF-190 structure is currently located within the boundary of the TA-55 Container Storage Pad permitted unit.The building stored and supported waste management activities associated with the less than 90-day hazardous waste accumulation area and has also served as a universal waste storage area. Building TA-55-PF-190 has never received waste from any permitted unit.

5. TA-55-PF-190 has been in use since May 29, 2015. Review of inspection records and interviews with NPI-7 personnel reveal no hazardous waste spills or releases has occurred in association with waste management activities at building TA-55-PF-190.

6. TA-55-PF-190 will be moved outside of the TA-55 Container Storage Pad and will continue to be used as less than 90-day hazardous waste accumulation area. The building will not be located within a permitted unit boundary.

FURTHER AFFIANT SAYETH NAUGHT.

Keith A. Lacy

STATE OF NEW MEXICO)
)ss.
COUNTY OF LOS ALAMOS)

SUBSCRIBED, SWORN TO AND ACKNOWLEDGE before me this 12th day of Sept., 2016 by Louella B. Medina.

Louella B Medina
NOTARY PUBLIC

My Commission Expires:
5/5/2019

ENCLOSURE 1

Class 1 Permit Modification Request for Removal of the TA-55-PF-190 Mobile Structure from the Technical Area 55 Outdoor Pad

EPC-DO-16-221

LA-UR-16-26002

Date: SEP 2 6 2016

Class 1 Permit Modification Request

Removal of One Structure (TA-55-PF-190) from Technical Area 55-4 Outdoor Container Storage Pad

This document consists of a Class 1 permit modification request (PMR) to modify the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (Permit) issued to the Department of Energy and the Los Alamos National Security, LLC, collectively known as the Permittees, in November 2010. This PMR requires prior approval from the NMED-HWB. All proposed changes are shown in redline strikeout format for Permit Attachments A, G.26, and J. These changes, as well as the replacement figures for Attachments G.26 and N, are provided in this modification. A signed certification, as required by Title 40 (40) of the Code of Federal Regulations (CFR), 40 CFR § 270.11, is provided with the transmittal letter.

Description

The purpose of this modification submittal is to describe the proposed removal of the modular waste containment storage building from TA-55 for reuse outside of the permitted area and to update Attachments A *Technical Area (TA) – Unit Descriptions*; G.26, *Technical Area 55, Outdoor Storage Pad Closure Plan*; J, *Hazardous Waste Management Units*, and N, *Figures*, to reflect the proposed changes. This modification includes the proposed removal of one structure; TA-55-PF-190 Waste Containment Storage Building. This structure was utilized for non-permitted hazardous waste management at the permitted unit.

A thorough records review was performed to determine if there had been any releases associated with the structure at the permitted unit. The records review did not identify any hazardous material spills or releases. The structure has been used for product storage, a less than 90 Day Accumulation Area and a Universal Waste Area. The structure will be removed from the permitted area and relocated for continued use as a less than 90 Day Accumulation Area, Universal Waste Area and a product storage area. An affidavit is included with the submittal and will be kept on file regarding the past and proposed use for the structure. Given that the structure is simply being relocated, not being closed or discarded, and will have continued use for waste storage purposes, the Permittees believe that closure activities are not applicable to the structure. As a best management practice, the structure has undergone two decontamination operations prior to submittal of this permit modification request.

Basis

This modification has been prepared in accordance with 40 CFR § 270.42(a)(2) as required by Permit Section 3.1(3). The permit condition at Permit Section 3.1(3) requires that buildings or structures located at permitted units be accurately reflected within the figures in Attachments G and N of the permit. Proposed changes to figures and text in this request relate to removal of a structure that was utilized for hazardous waste management at a permitted unit, therefore, the permit modification has been prepared as a Class 1 permit modification that requires prior approval from the NMED-HWB. Additionally, the request includes other administrative changes associated with the removal of TA-55-PF-190 from a permitted unit in accordance with 40 CFR § 270.42, Appendix I, Item A.1.

Discussion of Changes

Attachment A, *Technical Area (TA) – Unit Descriptions*, Section A.5.6, proposed revisions are provided in redline-strikeout format and reflect the removal of one structure [TA-55-PF-190] from the TA-55-4 Outdoor Container Storage Pad. The structure was used as a less than 90 Day Accumulation Area.

Attachment G.26, *Technical Area 55, Outdoor Storage Pad Closure Plan,* proposed revision reflects removal of the TA-55-PF-190 structure from the description of unit to be closed. Sections 2.0, 5.2.2, 5.3.2, 6.4 and 7.0 have been updated with the proposed changes. Figure G.26-1 *Technical Area 55, Outdoor Container Storage Unit Grid Sampling and Additional Sampling Locations* proposed revision reflects removal of the structure, however, the area sample locations remain unchanged as required sample locations for execution of the G.26 closure plan.

Attachment J, *Hazardous Waste Management Units, Table J-1 Active Portion of the Facility* reflects the removal of TA-55-PF-190 structure from TA-55-4 Outdoor Container Storage Pad.

Attachment N, *Figures,* Figure 45, *Technical Area 55, Building 4, Outdoor Container Storage Pad*, revision reflects the proposed removal of the one structure (TA-55-PF-190) from the TA-55-4 Outdoor Container Storage Pad.

ATTACHMENT A

TECHNICAL AREA (TA) - UNIT DESCRIPTIONS

0.25-, 0.5-, 0.75-, 1-, 2-, 4-, and 6-liter/quart containers; and 5-, 10-, 12-, 15-, 30- and 55-gal drums.

A.5.6 Outdoor Storage Pad

The Container Storage Pad is used to store containers of hazardous and mixed waste that may contain liquids. The pad is located outside and south southwest of TA-55-4, as shown on Figures 39 and 45 in Attachment N (*Figures)*. It was installed in the mid-1980s and is constructed of asphaltic-concrete with a variable thickness of 4 to 6 inches (in.). The Container Storage Pad permitted unit is shaped like a trapezoid and measures 102 ft, 86 ft, 156 ft, and 105 ft. The pad is sloped, is elevated 2 to 4 in. above ground level, and has a culvert beneath the pad running from the northwest side to the southeast corner to minimize run-on of precipitation. The storage capacity of this area is 135,000 gal, the equivalent of approximately 2,455 55-gal drums. The types of waste containers holding hazardous or mixed waste that will be stored on the container storage pad include: 0.25-, 0.5-, 0.75-, 1-, 2-, 4-, and 6-liter/quart containers; 30-, 55-, and 85-gal drums; SWBs; large waste boxes; and 5-, 10-, 12-, and 15-gal containers.

~~Waste containment storage building TA-55-PF-190 is located on the south-eastern portion of the Containers Storage Pad and is used for storage of hazardous waste. It measures approximately 22 feet long and 8 feet 4 inches wide (sdd Figure 45 in Attachment N (Figures)). The building is a manufactured steel building that is designed for hazardous waste storage.~~

A.5.7 Mixed Waste Storage Tank System

There is one storage tank unit at TA-55 that is comprised of two tank components, the evaporator glovebox tank and the stabilization unit pencil tanks. The two tank components share a common piping and pumping system.

The evaporator glovebox tank was constructed in 1986. The stabilization unit pencil tanks were constructed in 1985, installed from 1987-88, and were considered existing tanks until new components were installed in 1996. These new components were determined to be a major, non-routine modification; therefore, the stabilization unit pencil tanks are subject to the new tank system regulations and are addressed as new tanks in accordance with the requirements of 40 CFR § 264.192, which is incorporated herein by reference.

The TA-55 storage tank unit is located at TA-55, Building 4, in Room 401 and has a maximum capacity of 560 Liters (L) (137 gallons [gal]). The storage tank system consists of two components, with six tanks, that are used to store evaporator bottoms solutions prior to stabilization.

Liquid waste comes primarily from the evaporator as evaporator bottoms in approximately 25-L batches. Unrecyclable evaporator distillate waste (corrosive only) is also cemented when the low-level acid waste line to the TA-50 Radioactive Liquid Waste Treatment Facility is closed. Liquid waste generated from a source other than the evaporator (such as C-AAC analytical residues) is transferred to the Cementation Unit glovebox in plastic bottles up to 2L in volume via the trolley system.

ATTACHMENT G.26
TECHNICAL AREA 55
OUTDOOR STORAGE PAD
CLOSURE PLAN

TABLE OF CONTENTS

1.0 INTRODUCTION

This closure plan describes the activities necessary to close the outdoor hazardous waste container storage unit at the Technical Area 55 Outdoor Storage Pad at the Los Alamos National Laboratory (Facility), hereinafter referred to as the permitted unit. The information provided in this closure plan addresses the closure requirements specified in Permit Part 9 and the Code of Federal Regulations (CFR), Title 40, Part 264, Subparts G and I for hazardous waste container storage at the Facility under the Resource Conservation and Recovery Act (RCRA) and the New Mexico Hazardous Waste Act.

Until closure is complete and has been certified in accordance with Permit Section 9.5, a copy of the approved closure plan or the hazardous waste facility permit containing the plan, any approved revisions, and closure activity documentation associated with the closure will be on file with hazardous waste compliance personnel at the Facility and at the U.S. Department of Energy (DOE) Los Alamos Site Office. Prior to closure of the permitted unit, this closure plan may be amended in accordance with Permit Section 9.4.8, as necessary and appropriate, to provide updated sampling and analysis plans and to incorporate updated decontamination technologies. Amended closure plans shall be submitted to the New Mexico Environment Department (Department) for approval prior to implementing closure activities.

2.0 DESCRIPTION OF UNIT TO BE CLOSED

A specific description of the permitted unit can be found in Permit Attachment A (*Technical Area Unit Descriptions*). Additional features and equipment located at the permitted unit and not discussed elsewhere within the Permit are described below.

The permitted unit is located south~~north~~west of TA-55-4 and is constructed of asphalt with a variable thickness of four to six inches (in.). ~~It also has a steel building (TA-55-PF-190) situated on it.~~ The permitted unit is trapezoid-shaped pad with dimensions of 102 feet (ft.), 86 ft., 156 ft., and 105 ft., respectively, on its four sides. The permitted unit is sloped, elevated approximately two to four in. above ground level, and has a culvert beneath the pad running from the northwest side to the southeast side to minimize run-on of precipitation.

Waste containment~~s~~ storage building TA-55-PF-190 ~~is~~ formerly located on the ~~south-eastern portion of the~~ permitted unit ~~and is~~ was used for storage of hazardous waste. ~~It~~ The structure measure~~ds~~ approximately 22 feet long and 8 feet 4 inches wide. The building was~~is~~ a manufactured steel building that was~~is~~ designed for hazardous waste storage.

A thorough records review of the structure's operating record was performed as required. The results of the records review did not identify any spills or releases. The records search did not identify any issues which could affect the structure or its waste containment capability. The structure was used for product storage, a less than 90 Day Accumulation Area and a Universal Waste Area. The structure was removed from the permitted area in 2016 and relocated for reuse as a less than 90 Day Accumulation Area, Universal Waste Area and a product storage area. An affidavit will be kept on file regarding the past and proposed use for the structure. Given that the structure was relocated and was not closed or discarded, and was to be re-used for the same purposes the closure activities were not applicable to the structure. As a best management practice building TA-55-PF-190 was decontaminated twice prior to being removed from the TA-55-4 Outdoor Storage Pad. The TA-55-4 Outdoor Storage Pad continues to actively store waste in accordance with the Permit.

conducted to determine any previous finding(s) or action(s) that may influence closure activities or potential sampling locations.

5.2.1 Records Review

The Facility Operating and Inspection Records shall be reviewed as outlined in Permit Section 9.4.6.1. The goals of the review will be to:

a. confirm the specific hazardous waste constituents of concern; and

b. confirm additional sampling locations (*e.g.*, locations of spills or chronic conditions identified in the Operating and Inspection Records).

5.2.2 Structural Assessment

An assessment of the permitted unit's physical condition will be conducted in accordance with Permit Section 9.4.6.2. The assessment will include inspection of the floors, walls, and ceiling of the steel building (TA-55-PF-190), as well as inspecting the asphalt pad for any existing cracks or conditions that indicate a potential for, or an actual, release of constituents. Prior to removal of TA-55-PF-190 an assessment of the structure's physical condition will be performed and documented. If a crack, gap, or stained area is present, the Permittees will amend this closure plan in order to update the sampling and analysis plan (SAP) (*see* Section 6.0 of this closure plan) to add these sampling locations and the applicable sampling methods and procedures. This inspection will be documented with photographs and drawings, as necessary.

5.3 Decontamination and Removal of Structures Equipment

In accordance with Permit Section 9.4.3, all remaining hazardous waste and hazardous waste residues will be removed from the permitted unit. The permitted unit's structures and equipment will be decontaminated, removed, or both and managed appropriately. All waste material will be controlled, handled, characterized, and disposed of in accordance with Permit Attachment C (*Waste Analysis Plan*) and Facility waste management procedures.

5.3.1 Removal of Structures and Related Equipment

All structures and related equipment that are removed will not require decontamination, will be considered solid and potentially hazardous waste (as defined by this Permit) when removed, and will be disposed of in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan. The entire asphalt pad (including all materials associated with it such as any underlying base course or fill) will be removed after the structural assessment.

5.3.2 Decontamination of Structures and Related Equipment

All structures and equipment that will be reused by the Facility will be decontaminated in accordance with Permit Section 9.4.3.1. At this time there is no equipment that is expected to be reused; however, if equipment or structures are identified during the assessment they will be decontaminated in accordance with this section. Decontamination of structures and equipment will be ~~steam~~ cleaned using water or ~~pressure washed with~~ a solution consisting of a surfactant detergent (*e.g.*, Alconox®) and water. Pressure washing or steam cleaning may be used, as appropriate. Portable berms, other devices (*e.g.*, absorbent socks, plastic sheeting, wading pools, existing secondary containment) will collect excess water and provide containment during the decontamination process.

h. name of the sample collector;

i. sample destination and how it will be transported;

j. observations; and

k. name(s) of personnel responsible for the observations.

6.3.2 Sample Handling, Preservation, and Storage

Samples will be collected and containerized in appropriate pre-cleaned sample containers. Table G.26-5 presents the requirements in *SW-846* (EPA, 1986) for sample containers, preservation techniques, and holding times. Samples that require cooling to 4 degrees Celsius will be placed in a cooler with ice or ice gel or in a refrigerator immediately upon collection.

6.3.3 Packaging and Transportation of Samples

All packaging and transportation activities will meet safety expectations, QA requirements, DOE Orders, and relevant local, state, and federal laws (including 10 CFR and 49 CFR). Appropriate Facility documents establish the requirements for packaging design, testing, acquisition, acceptance, use, maintenance, and decommissioning and for on-site, intra-site, and off-site shipment preparation and transportation of general commodities, hazardous materials, substances, waste, and defense program materials.

Off-site transportation of samples will occur via private, contract, or common motor carrier, air carrier, or freight. All off-site transportation will be processed through the Facility packaging and transportation organization, unless the shipper is specifically authorized through formal documentation by that organization to independently tender shipments to common motor or air carriers.

6.4 Sample Analysis Requirements

Samples will be analyzed for all hazardous constituents listed in Appendix VIII of 40 CFR Part 261 and in Appendix IX of 40 CFR Part 264 that have been stored at the permitted unit over its operational history. Samples will be analyzed by an independent laboratory using the methods outlined in Table G.26-34 which lists the ~~.~~ Aanalytes, test methods and instrumentation, target detection limits, and rationale for metals and organic analyses~~, are presented in Table G.26-~~. Table G.26-5 references current USEPA Method SW-846 sample container, preservation and holding time requirements. If any of the information from these tables has changed at the time of closure, the Permittees will amend this closure plan to update all methods in this SAP.

6.4.1 Analytical Laboratory Requirements

The analytical laboratory will perform the detailed qualitative and quantitative chemical analyses specified in Section 6.4.2 of this closure plan. The analytical laboratory will have:

a. a documented comprehensive QA/QC program;

b. technical analytical expertise;

c. a document control/records management plan; and

b. results from QC samples such as blanks, spikes, and calibrations;

c. reference to standard methods or a detailed description of analytical procedures; and

d. raw data printouts for comparison with summaries.

The laboratory will describe the analysis in sufficient detail so that the data user can understand how the sample was analyzed.

7.0 WASTE MANAGEMENT

All waste generated during closure will be controlled, handled, characterized, and disposed of in accordance Permit Section 9.4.5, Permit Attachment C (*Waste Analysis* Plan), and Facility waste management procedures. Closure activities may generate different types of waste materials; these wastes are listed with potential disposal options in Table G.26-3 of this closure plan. Subsequent disposition options for the decontaminated structures and equipment include reuse, recycling, or disposal. Reusable protective clothing, tools, and equipment used during decontamination will be cleaned with a wash water solution. Disposable equipment and other small equipment that cannot be decontaminated, as summarized in Table G.26~~10-3~~6, will be containerized and managed as waste.

8.0 CLOSURE CERTIFICATION REPORT

Upon completion of the closure activities at the permitted unit, a closure certification report will be prepared and submitted to the Department for review and approval in accordance with Permit Section 9.5.

9.0 REFERENCES

DOE, 1995. "DOE Methods for Evaluating Environmental and Waste Management Samples," DOE/EM-0089T, Rev. 2. Prepared for the U.S. Department of Energy by Pacific Northwest Laboratory, Richland, Washington.

EPA, 1986 and all approved updates. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA-*SW-846*, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, U.S. Government Printing Office, Washington, D.C.

EPA, 2002. "RCRA Waste Sampling Draft Technical Guidance Planning, Implementation, and Assessment," EPA530-D-02-002, August 2002, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, DC.

LANL, 1999. "Screening Level Ecological Risk Assessment Methods," LA-UR-99-1406, Los Alamos National Laboratory, Los Alamos, New Mexico.

NIOSH, 1994. The National Institute for Occupational Health and Safety (NIOSH) *Manual of Analytical Methods*, 4th ed. Issue 1. 1994.

NMED, 2006. "Technical Background Document for Development of Soil Screening Levels," Rev. 4.0, June 2006, New Mexico Environment Department, Santa Fe, New Mexico.

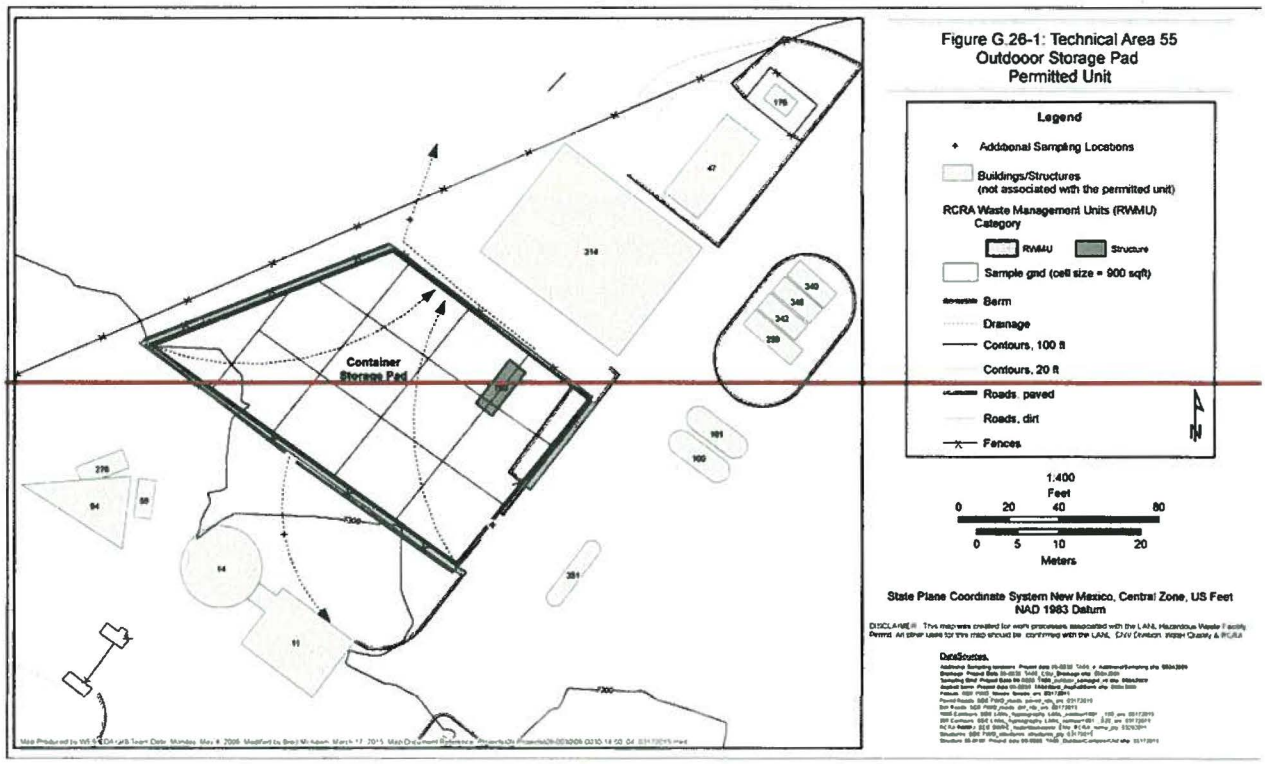


Figure G.26-1: Technical Area 55 Outdoor Container Storage Unit Grid Sampling and Additional Sampling Locations

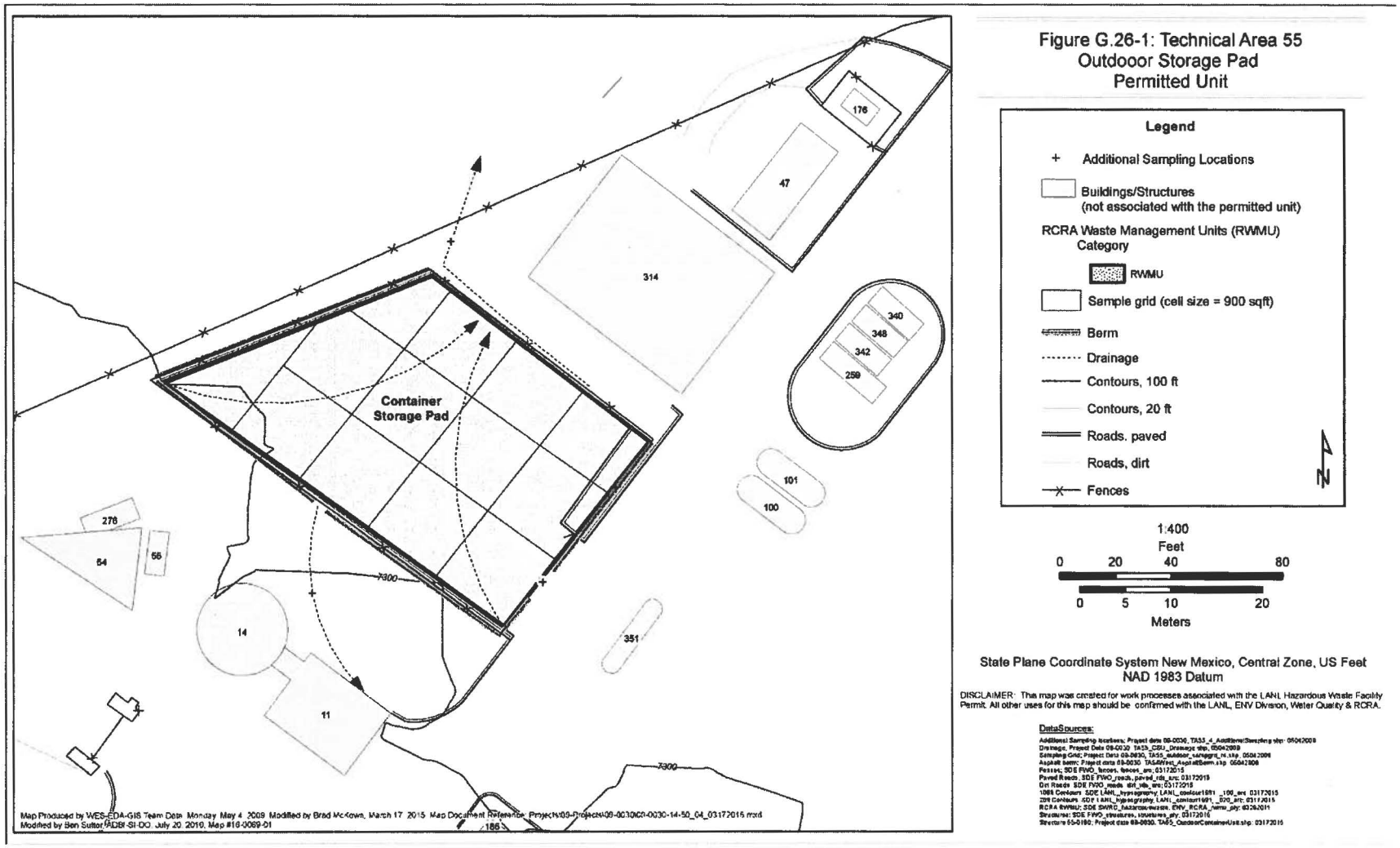


Figure G.26-1: Technical Area 55 Outdoor Storage Unit Grid Sampling and Additional Sampling Locations

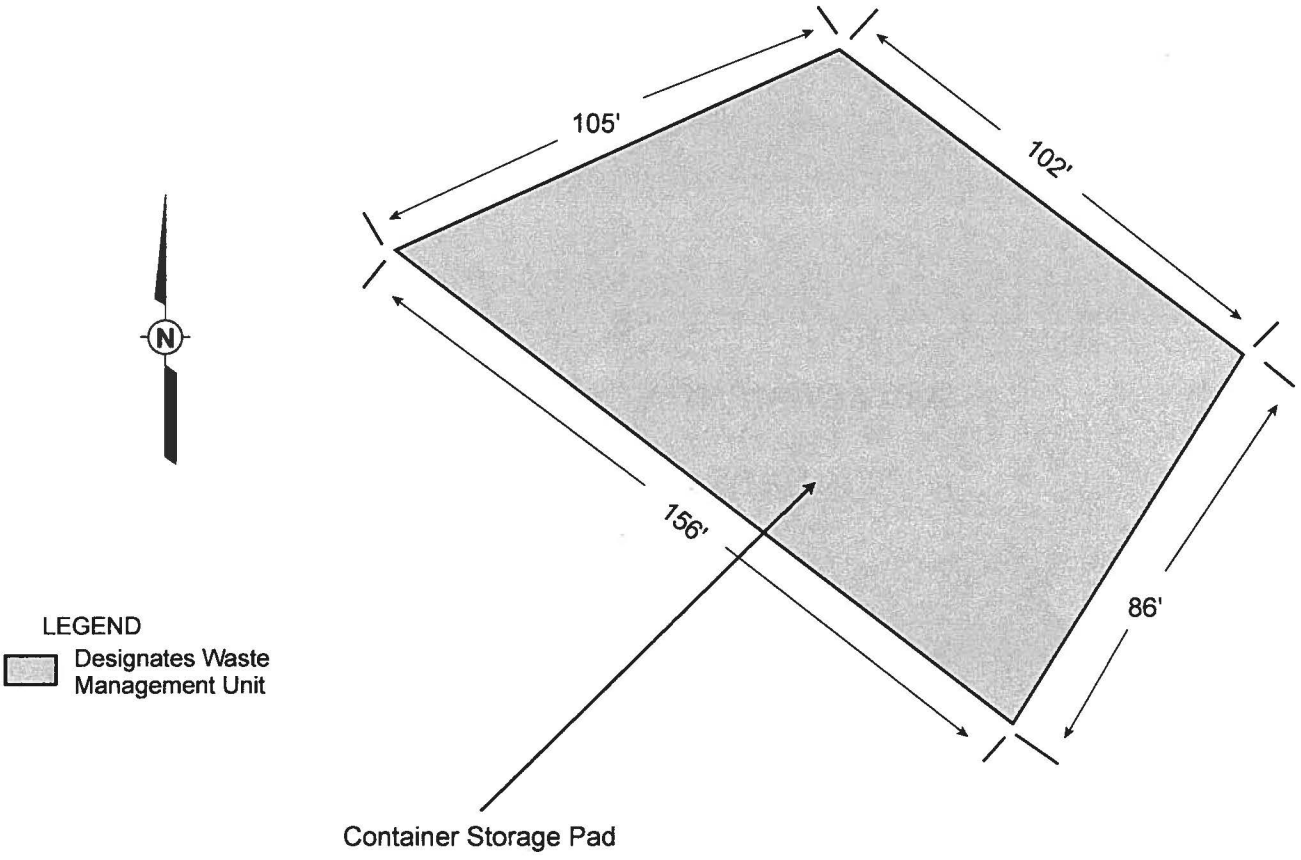
ATTACHMENT J

HAZARDOUS WASTE MANAGEMENT UNITS

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
			Total square footage – 4,500	
TA-55-4-401 Mixed Waste Stabilization Unit	T04	Treatment - 150 gal / day	TA-55-4 Room 401 Total square footage – 4,500	Indoor
TA-55-4 Outdoor Pad	S01	135,000 gal	Located outside and west of TA-55-4 ~~Includes building TA-55-PF-190~~ Total square footage – 11,100	Outdoor (not associated with a regulated unit)
TA-63 Transuranic Waste Facility	S01	105,875 gal	Includes TA-63-149 through 153 Storage Buildings, TA-63-154 Storage and Characterization Building, TA-63-155 through 157 Characterization Trailers, and Outside Storage Pad	Outdoor (not associated with a regulated unit)

ATTACHMENT N

FIGURES



Note: TA-55-4 is located approximately 140 feet east of this container storage pad. Refer to Figure 39 for the general location of this container storage pad in relation to other buildings/structures at TA-55.

NOT TO SCALE

Figure 45
Technical Area (TA)-55, Building 4, Outdoor Container Storage Pad