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CERTIFIED MAIL - RETURN RECEIPT REQUESTED



ENTERED



James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

October 26, 2019

Brian D. Knight, Chief
Environmental Division (Building 163)
U.S. Army White Sands Missile Range
White Sands Missile Range, NM 88002-5000

**RE: ADMINISTRATIVELY INCOMPLETE DETERMINATION
HAZARDOUS WASTE STORAGE FACILITY PERMIT NM2750211235 RENEWAL
APPLICATION
WHITE SANDS MISSILE RANGE, NEW MEXICO
EPA ID #NM 2750211235
HWB-WSMR-19-006**

Dear Mr. Knight:

The New Mexico Environment Department (NMED) has reviewed the U.S. Army White Sands Missile Range (Permittee) *Hazardous Waste Storage Facility Permit NM2750211235 Renewal Application* (Permit Application), dated July 2019. NMED hereby issues this Administratively Incomplete determination. The Permittee must revise the Permit Application to provide the following information.

The Permittee must provide the information required by 40 CFR § 270.14 and § 270.15 as well as Subpart I and other references that are incorporated in those sections to revise the application to ensure that all required information is included in the revised Permit Application.

Comment 1

The Permittee must provide a summary of the pre-application meeting, a list of any attendees and their addresses, and copies of any written comments or materials submitted at the meeting as required by 40 CFR § 124.31(c). It does not appear that the Permittee conducted any public meetings prior to submittal of the Permit Application. The Permittee must hold at least one

meeting with the public in order to inform the community of the permit renewal and provide the opportunity to ask questions.

Comment 2

The Permittee did not include a Table of Contents with the Permit Application. Provide a Table of Contents in the revised Permit Application.

Comment 3

The Permittee did not include a general description of the facility as required by 40 CFR § 270.14(b)(1). Revise the Permit Application to include a general description of White Sands Missile Range (WSMR). Also, describe the hazardous waste storage facility (HWSF), including all outbuildings both permanent and portable and the presence of SWMU 89 (Former Acid Neutralization Unit at the Hazardous Waste Storage Facility). The Permittee must also include a topographic map in accordance with 40 CFR § 270.13(l).

Comment 4

Provide information regarding the HWSF for the following in accordance with 40 CFR § 270.14(b)(1) through (7):

- a) The Permittee must include the chemical and physical analyses of hazardous waste and hazardous debris that are managed at the facility in accordance with 40 CFR § 270.14(b)(2). The information must be sufficient to indicate how the hazardous waste will be stored and disposed;
- b) A copy of the waste analysis plan (WAP) must be included with the revised Permit Application in accordance with 40 CFR § 264.13(b) (General Waste Analysis). Ensure the WAP includes information pertaining to routine waste streams and evaluation frequency and the evaluation of new or non-routine waste streams;
- c) Provide a description of security procedures and equipment required by 40 CFR § 264.14 (Security);
- d) Provide a copy of the general inspection schedule required by 40 CFR § 264.15(b) (General Inspection Requirements). Include more specific information required by Subpart I (Use and Management of Containers) 40 CFR § 264.174; and
- e) Provide a copy of the most recently updated contingency plan required by 40 CFR § 264 Subpart D and include information regarding preparedness and prevention as well.

Comment 5

Provide a description of procedures, structures, or equipment used at the HWSF to address the following in accordance with 40 CFR § 270.14(b)(8):

- a) Prevent hazards in unloading operations (e.g., ramps, special forklifts);
- b) Prevent run-on/run-off at hazardous waste handling areas to other areas of the facility or the environments (e.g., berms, dikes, curbs, trenches);
- c) Prevent contamination of water supplies;
- d) Mitigate the effects of equipment failure and power outages;
- e) Prevent undue exposure of personnel to hazardous waste or hazardous constituents (e.g., protective clothing, chemical sensors); and
- f) Prevent releases to the atmosphere.

Comment 6

Describe the methods and procedures implemented to prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes as required by 40 CFR § 264.17 (General requirements for ignitable, reactive, or incompatible wastes) including documentation demonstrating compliance with 40 CFR § 264.17(c). Provide sufficient detail so that the processes and procedures can be evaluated to ensure they meet the regulatory requirements.

Comment 7

Provide information regarding traffic patterns, estimated volume (number, types of vehicles), and control (e.g., describe access road surfaces, load bearing capacities, traffic control signals). Include information regarding the WSMR traffic system in general and specifically about roads used to transport waste from various locations at WSMR to the HWSF.

Comment 8

Provide facility location information, to include the following:

- a) 40 CFR Part 264 Appendix VI lists political jurisdictions in which compliance with 264.18(a) must be demonstrated. The list for New Mexico includes Socorro and Sierra Counties which parts of WSMR are located within, but does not list Doña Ana County which is where the HWSF is located. Therefore, the Permittee does not need to comply with the seismic information requirements. However, the revised Permit Application must include a section noting this.

- b) Identify whether the facility is located within a 100-year floodplain. Provide the source of the information. If the facility is located within a 100-year floodplain, the Permittee must provide information as required by 40 CFR § 270.14(11)(iv).

Comment 9

Present an outline of both the introductory and continuing training programs to prepare personnel to operate and maintain the hazardous waste storage facility in a safe manner and demonstrate compliance with 40 CFR § 264.16 (Personnel training). Describe how the training will be designed to meet actual job tasks in accordance with the requirements in 40 CFR § 264.16(a)(3).

Comment 10

Provide a copy of the closure plan for the HWSF in the revised Permit Application and ensure that the requirements of 40 CFR § 264.112 (Closure plan; amendment of plan) and 40 CFR Subpart I § 264.178 (Closure) are also met.

Comment 11

The Permittee did not provide a topographic map of the facility. 40 CFR § 270.14(b)(19) requires the Permittee to submit a topographic map showing a distance of 1,000 feet around the facility to a scale of 1 inch equal to not more than 200 feet. Contours must be depicted on the map and must be of a sufficient interval to clearly show the pattern of surface water flow in the vicinity of the unit. The Permittee previously submitted more than one map due to the size of the Facility, which is acceptable. The topographic map(s) must also depict the:

- a) Map scale and date;
- b) 100-yr flood plain area;
- c) Surface waters including intermittent streams;
- d) Surrounding land uses;
- e) A wind rose;
- f) A north arrow;
- g) Legal boundaries of the HWSF;
- h) Access control (e.g., fences and gates);
- i) Any injection and withdrawal wells both on-site and off-site;
- j) Buildings and structures (e.g., storm sewers, loading and unloading areas, fire control facilities, internal roads);
- k) Barriers for drainage or flood control; and
- l) Location of operational units within the HWSF where hazardous waste will be stored.

The Permittee must also provide the same information for all of the SWMUs at the Facility in accordance with 40 CFR § 270.14(d)(i). See also Comments 19 and 20. Provide this information in the revised Permit Application.

Comment 12

Provide a description of the containment system that, at a minimum, includes the following information:

- a) Basic design parameters, dimensions, and construction material;
- b) How the design promotes drainage or how the containers are kept from contact with standing liquids in the containment system;
- c) Capacity of the containment system relative to the number and volume of containers to be stored;
- d) Provisions for preventing or managing run-on; and
- e) How accumulated liquids can be analyzed and removed to prevent overflow.

Comment 13

For storage areas for containers that do not hold free liquids the Permittee must provide the following information in accordance with 40 CFR § 270.15(b) and demonstrated compliance with 40 CFR § 264.175(c):

- a) Test procedures and results or other documentation or information to show that the wastes do not contain free liquid; and
- b) A description of how the storage area is designed and operated to drain and remove liquids or how containers are kept from contact with standing liquids.

Comment 14

Provide figures, drawings, or data demonstrating compliance with 40 CFR § 264.176 which requires a buffer zone and 40 CFR § 264.177(c) regarding the location of incompatible wastes. The Permittee provided figures depicting the location of the storage areas within the HWSF, but did not provide information demonstrating compliance with the cited sections.

Comment 15

Where incompatible wastes are stored or otherwise managed in containers, describe the procedures used to comply with 40 CFR § 264.177(a) and (b) and 40 CFR § 264.17(b) and (c) regarding the prohibition on storing that incompatible wastes in the same container, how reactions are prevented, and how compliance with these requirements is achieved by the facility.

Comment 16

Include a description of the waste manifest system, record keeping, and reporting in accordance with 40 CFR § 264 Subpart E. The Permittee must also demonstrate how compliance with 40 CFR § 262 are met (e.g., hazardous waste determination, use of EPA ID numbers, recording keeping and reporting).

Comment 17

Provide information related to air emission controls, required by 40 CFR § 270.27.

Comment 18

The Permittee did not provide information regarding the groundwater or groundwater monitoring at the HWSF as required by 40 CFR § 270.14(c) incorporating the applicable requirements of 40 CFR Subpart F. While the HWSF is not directly monitored, there are groundwater monitoring wells (TW1, TW2, TW3, and TW4) at the HWSF. Information regarding groundwater must be presented in the revised Permit Application.

Comment 19

The Permittee provided a list of all of the solid waste management units (SWMUs) and hazardous waste management units (HWMUs) at the facility, brief summaries of the HWMUs at the facility, and three locations maps; however, 40 CFR § 270.14(d) also requires the following information for each SWMU/HWMU:

- a) the location of the unit on the topographic map (NMED notes that because WSMR is so large, the presentation of the units on separate topographic maps, as provided in the Permit Application is acceptable);
- b) designation and type of unit;
- c) general dimensions and structural description (supply any available drawings);
- d) when the units were operated;
- e) specify all waste that have been managed at the unit, to the extent available; and
- f) any information regarding releases of hazardous waste or hazardous constituents from the unit.

Additionally, the list provided in the Permit Application is missing the following SWMUs: SWMU 21 (Main Post Former Fire Fighting Training Area & Pit), SWMU 69 (South Primary Clarifiers at the STP), SWMU 107 (Storage Tank at Temperature Test Facility (TTF)), SWMU 132 (Orogrande Waste Stabilization Pond), SWMU 140 (LC-37 Paint Dump), SWMU 156 (Former Golf Course Pesticide Storage Shed @ Building T-1348), and SWMU 217 (AAFES Gas Station at Building 270). Include these in the revised Permit Application. Even though SWMUs 21, 107, 140, and 156 were granted corrective action complete without controls and are listed in the 2009 Permit Table 4-3 they must still be included in the SWMU list for tracking purposes, the Permittee may note corrective action complete status.

Comment 20

The Permittee provided figures depicting the locations of the SWMUs at WSMR. The South Range SWMU Location Map includes an inset that does not include a scale. Ensure that all figures and maps, including insets, include a scale, north arrow, and legend. Since the HWMUs are designated with SWMU names, differentiate between SWMUs and HWMUs by color or other manner.

Comment 21

The Permittee must include post-closure care plans in the revised Permit Application for several HWMUs: Rhodes Canyon Landfill (SWMUs 114 and 115), Tula Peak (SWMUs 57 and 61), Former

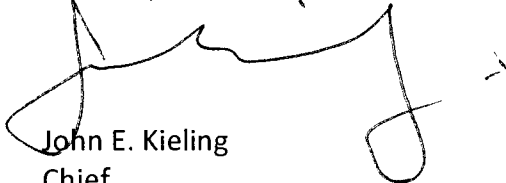
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Sewage Treatment Plant Ditches (SWMU 82), Acid Neutralization Pit (SWMU 101), Liquid Propellant Evaporation/Neutralization Pits (SWMUs 92A, 92B, and 93-100), and the Former Acid Neutralization Unit at the HWSF (SWMU 89). The Permittee must include a description of planned activities, the methods and procedures to be used, and how the activities will be reported to NMED; the information does not need to be presented as a full work plan (e.g., with background section), but must include sufficient information for NMED review.

The Permittee must address all comments in this letter and submit the revised Permit Application for NMED's administrative completeness review no later than **April 25, 2020**. A redline strike-out version of the Permit Application is not required, since there was not enough information included in the Permit Application to justify submittal of one. The Permittee must provide two paper copies of the revised Permit Application and two copies in electronic format including all text, tables, and figures.

If you have any questions regarding this correspondence, please contact Kristen Van Horn at (505) 476-6046.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
K. Van Horn, NMED HWB
B. Avalos, WSMR
L. King, EPA R6

File: WSMR 2019 and Reading
WSMR-19-006