



October 25, 2022

Arturo Duran
Designated Agency Manager
U.S. Department of Energy-Environmental Management
Los Alamos Field Office
1200 Trinity Drive, Suite 400
Los Alamos, NM 87544

**RE: APPROVAL
CERTIFICATE OF COMPLETION WITH CONTROLS FOR SWMU 16-029(i)
REQUEST FOR CERTIFICATES OF COMPLETION WITH CONTROLS FOR FIVE SOLID WASTE
MANAGEMENT UNITS IN THE CANON DE VALLE AGGREGATE AREA AND ONE SOLID WASTE
MANAGEMENT UNIT AND ONE AREA OF CONCERN IN THE S-SITE AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-21-016**

Dear Mr. Duran:

On October 24, 2022, the New Mexico Environment Department (NMED) sent the review letter to the United States Department of Energy (DOE) for *Request for Certificates of Completion for Five Solid Waste Management Units in the Canon De Valle Aggregate Area, and One Solid Waste Management Unit and One Area of Concern in the S-Site Aggregate Area* (Request) referenced by EMLA-2021-0152-02-001. NMED inadvertently responded to six (6) sites instead of the seven (7) sites included in the Request. NMED is providing its review of the remaining site, *SWMU 16-029(i)*.

The Canon de Valle Aggregate Area was investigated, and the results were reported in the *Response to the Notice of Disapproval for the Phase 2 Investigation Report for the TA-16-340 Complex, Solid Waste Management Units 13-003(a), 16-003(n)-99, 16-003(o), 16-026(j2), 16-029(f), and Area of Concern 13-003(b) at Technical Area 16, Revision 1* (Phase 2 IR) dated and received January 22, 2009 (referenced by LA-UR-09-0309/EP2009-0016).

SWMU 16-029(i), the sump which received high explosive waste from former building 16-0342, was included in consolidated unit SWMU 16-003(n)-99. The sump was recommended for no further action in 1994 since it was a duplicate of 16-003(n). The sump was a rectangular tank with dimensions approximately 5 ft long by 3 ft wide by 4 ft deep. The sump walls and bottom were constructed of 6-in.-thick, steel-reinforced concrete and lined with 0.25-in.-thick aluminum. The sump also had a removable 0.25-in.-thick aluminum lid. The sump removed suspended solids from process water before it was discharged to the outfall. HE fines were collected in a cloth filter bag and secured inside a metal filter basket.

The SWMU was investigated in 1995, 2005, and 2008 to define the nature and extent of contamination at the site as part of the consolidated unit 16-003(n)-99. The results presented in the Phase 2 IR indicate that SWMU 16-029(i) poses a risk under a residential land use scenario. SWMU 16-029(i) had a calculated hazard index (HI) of 2, which is greater than the NMED target HI of 1.0 and had an excess cancer risk of 2.0E-05, which is greater than the NMED target risk of 1.0E-05. SWMU 16-029(i) also poses a risk for the construction worker, SWMU 16-029(i) had a calculated hazard index (HI) of 6, which is greater than the NMED target HI of 1.0 but had an excess cancer risk of 2.0E-07, which is less than the NMED target risk of 1.0E-05.

The results presented in the Phase 2 IR indicate that SWMU 16-029(i) does not pose an unacceptable risk to human health under the industrial land use scenario and does not pose a risk to ecological receptors. However, SWMU 16-029(i) poses risk under the construction worker and residential land use scenario. NMED notes that the recreation land use scenario has not been evaluated for these sites.

NMED hereby issues this certificate of completion with controls for SWMU 16-029(i). The control for this site is industrial land use only.

If new information becomes available that indicates that the site may pose an unacceptable risk to human health or the environment, NMED may require additional investigations and/or corrective action at this site.

If you have any questions regarding this letter, please contact Siona Briley of my staff at (505) 690-5160 or via email at siona.briley@env.nm.gov.

Sincerely,

Rick Shean

Digitally signed by Rick
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Date: 2022.10.25
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Rick Shean
Chief
Hazardous Waste Bureau

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File: 2022 LANL TA-16, Approval of CoC for 16-029(i), Request for Certificate of Completion for 5 SWMU in the Canon De Valle Aggregate Area and one SWMU and one AOCs at S-Site Aggregate

Area
LANL-21-016