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**NEW MEXICO
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**EMID-701012
Rec'd 8/31/20**

James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 31, 2020

Arturo Duran
Designated Agency Manager
Environmental Management
U.S. Department of Energy
Los Alamos Field Office
P.O. Box 1663 MS M984
Los Alamos, NM 87545

**RE: APPROVAL
CERTIFICATE OF COMPLETION WITH CONTROLS FOR ONE SOLID WASTE MANAGEMENT UNIT
(06-003(C)) IN THE TWOMILE CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-20-007**

Dear Mr. Duran:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) *Request for Certificate of Completion for One Solid Waste Management Unit in the Twomile Canyon Aggregate Area* (Request) dated and received February 19, 2020, referenced by EMLA-2020-1186-04-001.

The solid waste management unit (SWMU) 06-003(c) was initially investigated in 1994, and the investigation results were included in the *Report for Potential Release Sites at TAs 6, 8, 22, and 40 (Located in Former OUs 1111, 1157)* submitted on September 29, 1997, and was reviewed by NMED on June 30, 1998.

Risk assessments for human health and ecological risk were included in the *Response to Request for Supplemental Information for the RCRA Facility Investigation Report (RFI) for Potential Release Sites in the Eastern and Western Aggregates at Technical Area (TA)-6* (RSI), dated January 18, 2000. The ecological risk was conducted for the entire Aggregate Areas. DOE has re-evaluated the ecological risk for this individual SWMU and included it in the Request.

SWMU 06-003(c) is a former firing site which consisted of an asphalt pad measuring 40 ft wide by 60 ft long and included a rectangular concrete-lined pit measuring 2 ft wide by 5 ft long and 2 ft deep. The firing site was installed in 1944 and was used for water recovery shot testing using high explosive (HE),

depleted uranium and cobalt. The SWMU was decommissioned after 1944 and was found to have elevated levels of uranium in the 1978 radiation survey.

Investigations were conducted in 1994 to define the nature and extent of contamination. Although Uranium-234, -235/236 and 238 were detected, they were below the DOE's annual effective dose rate limit of 20 mrem/yr. The results of risk screening were provided in the RSI indicate that SWMU 06-003(c) does not pose an unacceptable risk to human health under the industrial land use and construction worker scenarios. However, SWMU 06-003(c) does pose unacceptable risk under the residential land use scenario. DOE's intended current and foreseeable land use is industrial for this SWMU. The results of ecological risk screening indicate that the site does not pose an unacceptable risk to the environment.

NMED hereby issues a certificate of completion with controls for SWMU 06-003(c). The control for the 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 under industrial or construction land use scenario, NMED may require additional investigations and/or corrective action at this site.

If you have any questions regarding this letter, please contact Siona Briley at (505) 476-6049.

Sincerely,

 Digitally signed by Kevin
Pierard
Date: 2020.08.31 14:19:12
-06'00'

Kevin M. Pierard, Chief
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
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File: LANL 2020, Approval of Certificate of Completion with Controls for SWMU 06-003(c)
LANL-20-007