



N3B-Los Alamos
 1200 Trinity Drive, Suite 150
 Los Alamos, New Mexico 87544
 (505) 257-7690



Environmental Management
 Los Alamos Field Office
 1200 Trinity Drive, Suite 400
 Los Alamos, New Mexico 87544
 (505) 257-7950/FAX (505) 606-2132

Date: October 12, 2021
Refer To: N3B-2021-0284

Carol Johnson
 Enforcement and Compliance Assurance Division
 U.S. Environmental Protection Agency, Region 6
 1201 Elm Street, Suite 500 (6 ECD-WR)
 Dallas, Texas 75270-2102

Subject: NPDES Permit No. NM0030759 – Certification of Installation of Enhanced Control Measures for CHQ-SMA-4

Dear Ms. Johnson:

This letter and enclosure are being submitted in accordance with the requirements of the U.S. Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759, for discharges of storm water at Los Alamos National Laboratory. The permit was issued to Los Alamos National Security, LLC (LANS) and the U.S. Department of Energy, effective November 1, 2010, and on April 30, 2018, responsibilities, coverage, and liability transferred from LANS to Newport News Nuclear BWXT-Los Alamos, LLC (N3B). As specified in Part I, Section E.1(c), “Permittees shall certify completion of installation of control measures under this subsection to EPA within 30 days of completion of all such measures at the Site. . . .”

Accordingly, the document for certification of enhanced control measures completed at CHQ-SMA-4 within the last 30 days is included as Enclosure 1. Table 1 identifies the permitted feature, site monitoring area (SMA), and Site applicable to the certification. The certification was signed in accordance with 40 Code of Federal Regulations 122.22(b) and will also be posted to the Individual Permit public website (<https://ext.em-la.doe.gov/ips>).

Table 1
SMA s Included in This Submittal
of Certification of Installation of Enhanced Control Measures

Permitted Feature	SMA	Site
Q005	CHQ-SMA-4	33-011(e)

If you have any questions, please contact Emily Day at (505) 695-4243 (emily.day@em-la.doe.gov) or M. Lee Bishop at (505) 257-7902 (lee.bishop@em.doe.gov).

Sincerely,

Troy Thomson
Acting Program Manager
Environmental Remediation
N3B-Los Alamos

Sincerely,

M Lee
Bishop

Digitally signed by M Lee
Bishop
Date: 2021.10.04
12:23:27 -06'00'

M. Lee Bishop, Director
Office of Quality and Regulatory Compliance
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Enclosure(s): One hard copy with electronic files –

1. Certification of Installation of Enhanced Control Measures at CHQ-SMA-4 (EM2021-0518)

cc (letter with hard-copy enclosure[s]):
Susan Lucas-Kamat, NMED-SWQB

cc (letter and enclosure[s] emailed):
 Esteban Herrera, EPA Region 6, Dallas, TX
 Curry Jones, EPA Region 6, Dallas, TX
 Laurie King, EPA Region 6, Dallas, TX
 Brent Larsen, EPA Region 6, Dallas, TX
 Chris Catechis, NMED-DOE-OB/-RPD
 Steve Yanicak, NMED-DOE-OB
 Peter Maggiore, NA-LA
 M. Lee Bishop, EM-LA
 Arturo Duran, EM-LA
 John Evans, EM-LA
 Stephen Hoffman, EM-LA
 Michael Mikolanis, EM-LA
 David Nickless, EM-LA
 Cheryl Rodriguez, EM-LA
 Jennifer Payne, LANL
 Felicia Aguilar, N3B
 William Alexander, N3B
 Sharon Brady, N3B
 Don Carlson, N3B
 Emily Day, N3B
 Thomas Harrison, N3B
 Debby Holgerson, N3B
 Jeff Holland, N3B
 Audrey Krehlik, N3B

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Sent To
 Carol Johnson, Enforcement and Compliance Assurance Division
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 1201 Elm Street, Suite 500 (ECR-WR)
 City, State, ZIP+4®
 Dallas, Texas 75270-2102

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Kim Lebak, N3B
Joseph Legare, N3B
Dana Lindsay, N3B
Pamela Maestas, N3B
Jason Moore, N3B
Joseph Murdock, N3B
Joseph Noll, N3B
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Tashia Vigil, N3B
Amanda White, N3B
emla.docs@em.doe.gov
n3brecords@em-la.doe.gov
Public Reading Room (EPRR)
PRS website

**Certification of Installation of Enhanced Control
Measures at CHQ-SMA-4**

October 12, 2021

NPDES PERMIT NO. NM0030759

EM2021-0518

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: Q005

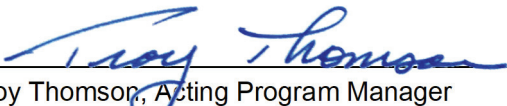
CHQ-SMA-4

Sites: 33-011(e)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1(c), which requires the Permittees (U.S. Department of Energy and Newport News Nuclear BWXT-Los Alamos, LLC) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the Site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"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 there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



Troy Thomson, Acting Program Manager
Environmental Remediation
Newport News Nuclear BWXT-Los Alamos, LLC

9/30/2021

Date

M Lee Bishop
Digitally signed by M Lee Bishop
Date: 2021.10.04 12:23:43 -06'00'

M. Lee Bishop, Director
Office of Quality and Regulatory Compliance
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Date

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
 CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: Q005

CHQ-SMA-4

Site: 33-011(e)

In August 2018, analytical results received from extended baseline monitoring at site monitoring area (SMA) CHQ-SMA-4 yielded target action level (TAL) exceedances for polychlorinated biphenyls, gross alpha, and selenium, prompting the Permittees to initiate corrective action.

In accordance with the National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759 (the Permit) Part I.E.1(c), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with TALs identified in the Permit for all Sites within the identified SMA drainage area have been completed. Included in this document are photos (listed in Table 1 and shown on pages 2 through 4) and a map (Figure 1) of the enhanced control measures to be certified.

**Table 1
 Enhanced Control Measure Descriptions**

Photo ID	Control Measure ID	Type of Control Measure	Control Measure
1. JPG	Q00503010023	Berm	Earthen Berm
2. JPG	Q00503010024	Berm	Earthen Berm
3. JPG	Q00504060025	Channel/Swale	Rip Rap

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q005

CHQ-SMA-4

Site: 33-011(e)

Photos:



Photo ID	Control Measure ID	Type of Control Measure	Control Measure	Photo Angle
1. JPG	Q00503010023	Berm	Earthen Berm	Looking west

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q005

CHQ-SMA-4

Site: 33-011(e)



Photo ID	Control Measure ID	Type of Control Measure	Control Measure	Photo Angle
2. JPG	Q00503010024	Berm	Earthen Berm	Looking north

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q005

CHQ-SMA-4

Site: 33-011(e)



Photo ID	Control Measure ID	Type of Control Measure	Control Measure	Photo Angle
3. JPG	Q00504060025	Channel/Swale	Rip Rap	Looking north

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q005

CHQ-SMA-4

Site: 33-011(e)

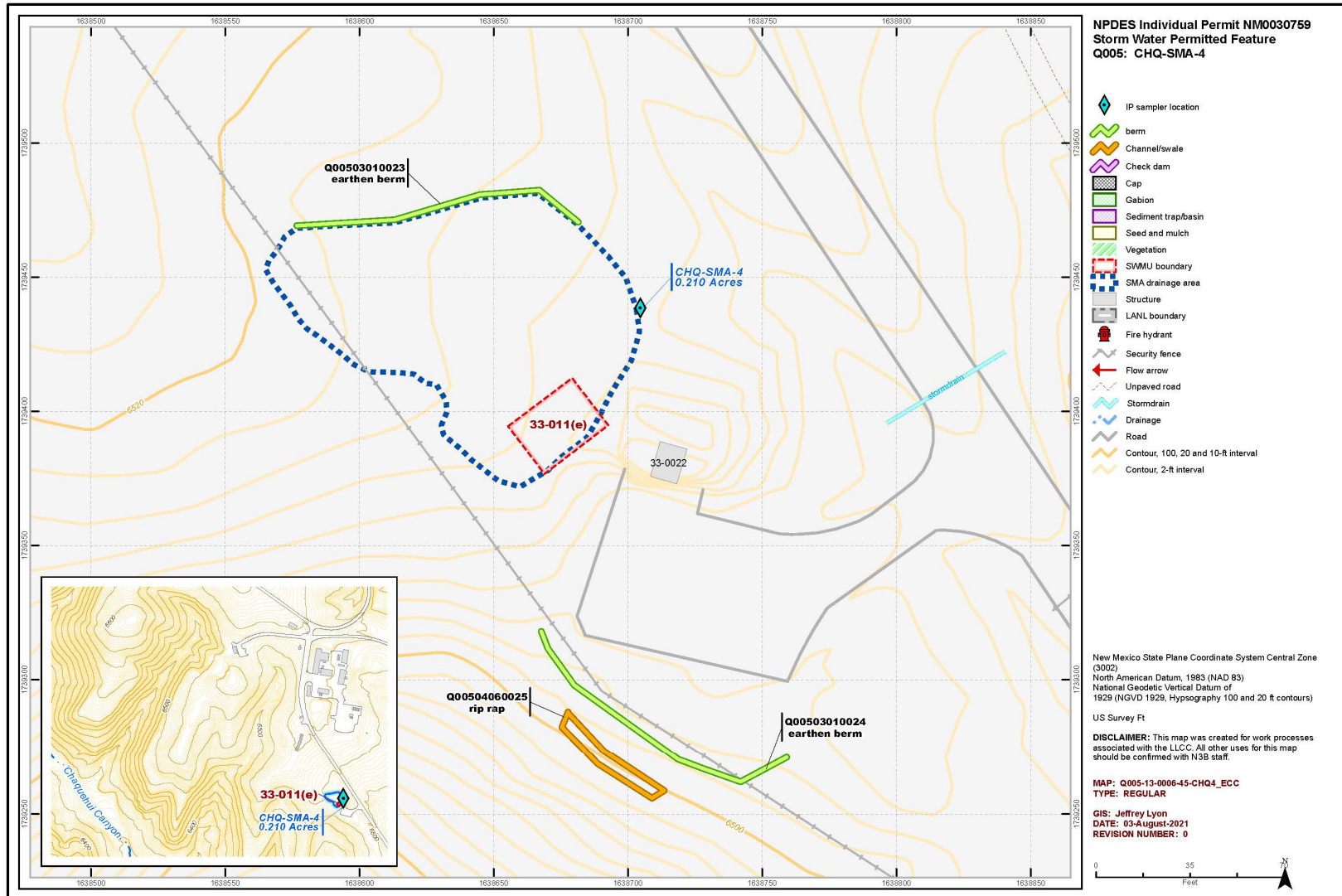


Figure 1 CHQ-SMA-4 enhanced control measures