



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



Environmental Management
 Los Alamos Field Office
 P.O. Box 1663, MS M984
 Los Alamos, New Mexico 87545
 (505) 257-7950/FAX (505) 606-2132

Date: April 21, 2021
Refer To: N3B-2021-0080

Esteban Herrera, Chief
 Water Enforcement Branch (6EN-WS)
 Compliance Assurance and Enforcement Division
 U.S. Environmental Protection Agency, Region 6
 1201 Elm Street, Suite 500
 Dallas, Texas 75270-2102

Subject: NPDES Permit No. NM0030759 – Certification of Installation of Enhanced Control Measures for CHQ-SMA-1.02, CHQ-SMA-2, and CHQ-SMA-7.1

Dear Mr. Herrera:

This letter with enclosures is submitted in accordance with the requirements of the U.S. Environmental Protection Agency's (EPA's) National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759 (Permit) for discharge 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. 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) of the Permit, "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 documents for certification of enhanced control measures completed at CHQ-SMA-1.02, CHQ-SMA-2, and CHQ-SMA-7.1 within the last 30 days are included as Enclosures 1, 2, and 3, respectively. Table 1 identifies the permitted features, site monitoring areas (SMAs), and Sites 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/home>).

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

Permitted Feature	SMA	Site
Q002A	CHQ-SMA-1.02	33-004(h) 33-008(c) 33-011(d) 33-015
Q003	CHQ-SMA-2	33-004(d) 33-007(c) C-33-003
Q010	CHQ-SMA-7.1	33-010(g)

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,



Kim Lebak
Program Manager
Environmental Remediation
N3B-Los Alamos

Sincerely,

M Lee Bishop

Digitally signed by M Lee
Bishop
Date: 2021.04.20 14:09:46
-06'00'

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

Enclosure(s):

1. Certification of Installation of Enhanced Control Measures at CHQ-SMA-1.02 (EM2021-0202)
2. Certification of Installation of Enhanced Control Measures at CHQ-SMA-2 (EM2021-0160)
3. Certification of Installation of Enhanced Control Measures at CHQ-SMA-7.1 (EM2021-0161)

cc (letter with hard-copy enclosure[s]):

Sarah Holcomb, NMED-SWQB

cc (letter and enclosure[s] emailed):

Carol Johnson, 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
Steve Yanicak, NMED-DOE-OB
Peter Maggiore, NA-LA
M. Lee Bishop, EM-LA

Arturo Duran, EM-LA
Stephen Hoffman, EM-LA
Kirk D. Lachman, 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
Kim Lebak, N3B
Joseph Legare, N3B
Dana Lindsay, N3B
Pamela Maestas, N3B
Jason Moore, N3B
Glenn Morgan, N3B
Joseph Murdock, N3B
Joseph Noll, N3B
Gerald O’Leary III, N3B
Karly Rodriguez, N3B
Steve Veenis, N3B
Tashia Vigil, N3B
Amanda White, N3B
emla.docs@em.doe.gov
n3brecords@em-la.doe.gov
Public Reading Room (EPRR)
PRS website

Pamela T. Maestas

From: Herrera, Esteban <Herrera.Esteban@epa.gov>
Sent: Wednesday, April 21, 2021 4:12 PM
To: Pamela T. Maestas
Cc: Johnson, Carol; Jones, Curry; Larsen, Brent; Emily M. Day; Regulatory Documentation; cheryl.rodriguez@em.doe.gov; Karly B. Rodriguez; Amanda B. White
Subject: RE: Submittal to EPA on 4/21/2021 of Certification of Install of Enhanced Ctrl Msrs for CHQ-SMA-1.02, -2, and -7.1

Received. Thanks Pamela!!

U.S. Environmental Protection Agency
Compliance Assurance & Enforcement
Section Chief – Analysis and Assessment Section (R6-ECDWA)
1201 Elm Street, Suite 500
Dallas, TX 75270-2102
(214) 665-7213

From: Pamela T. Maestas <pamela.maestas@em-la.doe.gov>
Sent: Wednesday, April 21, 2021 5:04 PM
To: Herrera, Esteban <Herrera.Esteban@epa.gov>
Cc: Johnson, Carol <johnson.carol@epa.gov>; Jones, Curry <jones.curry@epa.gov>; Larsen, Brent <Larsen.Brent@epa.gov>; Emily M. Day <Emily.Day@em-la.doe.gov>; Regulatory Documentation <RegDocs@EM-LA.DOE.GOV>; cheryl.rodriguez@em.doe.gov; Karly B. Rodriguez <Karly.Rodriguez@EM-LA.DOE.GOV>; Amanda B. White <Amanda.White@em-la.doe.gov>
Subject: Submittal to EPA on 4/21/2021 of Certification of Install of Enhanced Ctrl Msrs for CHQ-SMA-1.02, -2, and -7.1

Mr. Herrera,

Attached for submittal is a pdf of the following:

- NPDES Permit No. NM0030759 – Certification of Installation of Enhanced Control Measures for CHQ-SMA-1.02, CHQ-SMA-2, and CHQ-SMA-7.1 (N3B-2021-0080, letter and enclosures)

Please acknowledge receipt of this submittal by responding to this email.

Let me know if you have any questions.

Thank you.

Pamela T. Maestas
Regulatory Documentation Manager
Newport News Nuclear BWXT-Los Alamos, LLC
c. 505-927-7882
regdocs@em-la.doe.gov



1200 Trinity Drive, Suite 150
Los Alamos, NM 87544

**Certification of Installation of Enhanced Control
Measures at CHQ-SMA-1.02**

April 21, 2021

NPDES PERMIT NO. NM0030759

EM2021-0202

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

PF: Q002A


CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015

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."



Kim Lebak, Program Manager
Environmental Remediation
Newport News Nuclear BWXT-Los Alamos, LLC

April 7, 2021
Date

M Lee Bishop  Digitally signed by M Lee Bishop
Date: 2021.04.20 14:10:07
-06'00'

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

Date

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q002A**CHQ-SMA-1.02****Sites: 33-004(h)
33-008(c)
33-011(d)
33-015**

In August and September 2018, analytical results received from corrective action monitoring at Site Monitoring Area (SMA) CHQ-SMA-1.02 yielded a target action level (TAL) exceedance for copper, prompting the Permittees to initiate a second round of 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**

BMP* ID	Type of Control Measure	Control Measure	Photo ID
Q002A06010015	Check Dam	Rock Check Dam	1.JPG
Q002A06010016	Check Dam	Rock Check Dam	2.JPG
Q002A06010017	Check Dam	Rock Check Dam	3.JPG

*BMP = Best management practice.

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015

Photos:

Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
1. JPG	Q002A06010015	Check Dam	Rock Check Dam	Looking southwest

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
2. JPG	Q002A06010016	Check Dam	Rock Check Dam	Looking southwest

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
3. JPG	Q002A06010017	Check Dam	Rock Check Dam	Looking south

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015

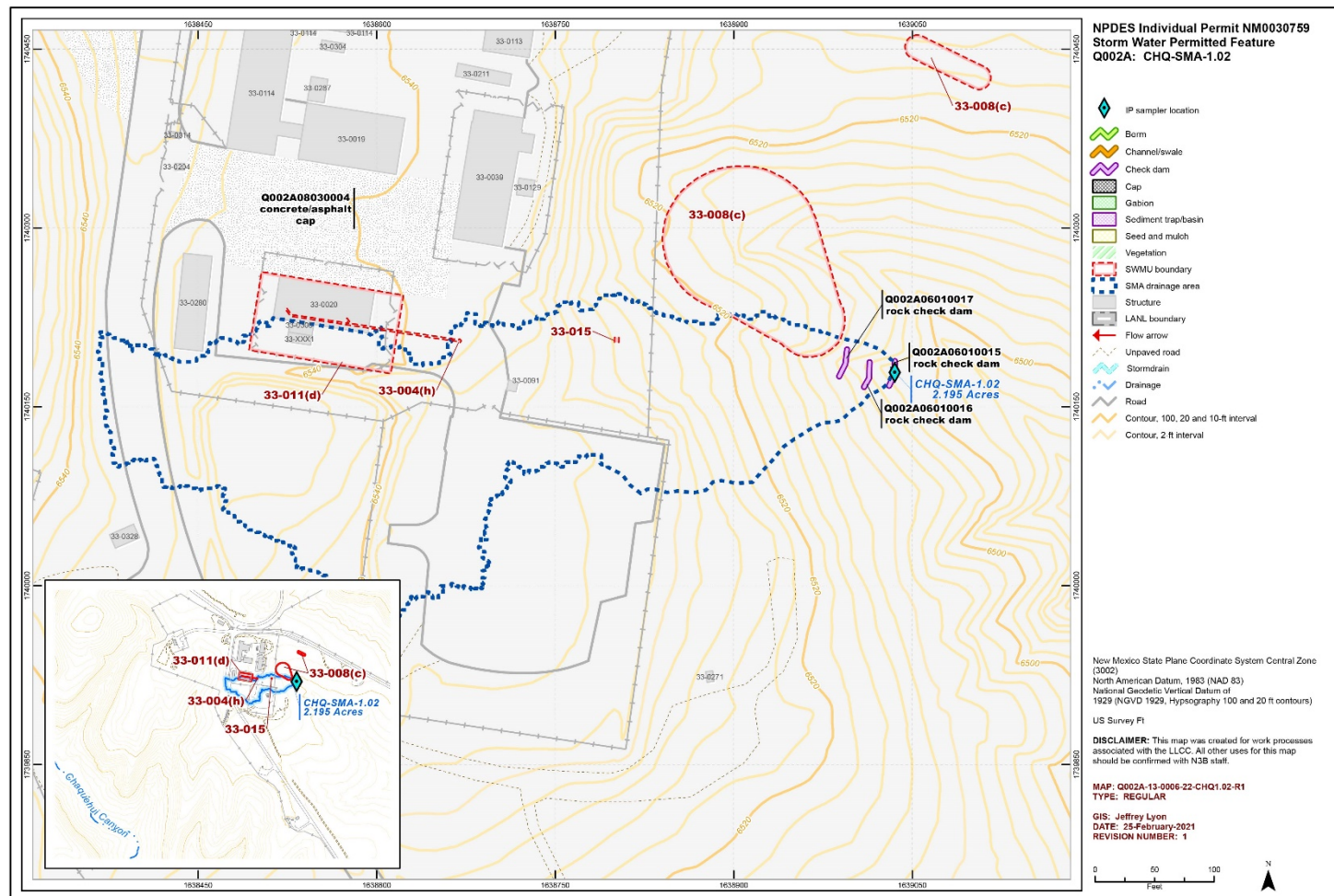


Figure 1 CHQ-SMA-1.02 enhanced control measures

**Certification of Installation of Enhanced Control
Measures at CHQ-SMA-2**

April 21, 2021

NPDES PERMIT NO. NM0030759

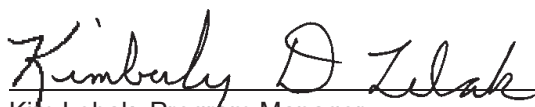
EM2021-0160

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES****PF: Q003****CHQ-SMA-2****Sites: 33-004(d)
33-007(c)
C-33-003**

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."



Kim Lebak, Program Manager
Environmental Remediation

Newport News Nuclear BWXT-Los Alamos, LLC

April 7, 2021

Date

M Lee Bishop

Digitally signed by M Lee Bishop
Date: 2021.04.21 13:19:18
-06'00'

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

Date

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003**CHQ-SMA-2****Sites: 33-004(d)
33-007(c)
C-33-003**

In August and September 2018, analytical results received from corrective action monitoring at Site Monitoring Area (SMA) CHQ-SMA-2 yielded target action level (TAL) exceedances for copper and gross alpha, prompting the Permittees to initiate a second round of 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 6) and a map (Figure 1) of the enhanced control measures to be certified.

**Table 1
Enhanced Control Measure Descriptions**

BMP* ID	Type of Control Measure	Control Measure	Photo ID
Q00306010057	Check Dam	Rock Check Dam	1.JPG
Q00306010058	Check Dam	Rock Check Dam	2.JPG
Q00303140059	Berm	Coir Log	3.JPG
Q00303060060	Berm	Straw Wattle	4.JPG
Q00303060061	Berm	Straw Wattle	5.JPG

*BMP = Best management practice.

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)

33-007(c)

C-33-003

Photos:



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
1. JPG	Q00306010057	Check Dam	Rock Check Dam	Looking north

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)
33-007(c)
C-33-003



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
2. JPG	Q00306010058	Check Dam	Rock Check Dam	Looking north

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)
33-007(c)
C-33-003



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
3. JPG	Q00303140059	Berm	Coir Log	Looking north

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)
33-007(c)
C-33-003



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
4. JPG	Q00303060060	Berm	Straw Wattle	Looking northwest

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)
33-007(c)
C-33-003



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
5. JPG	Q00303060061	Berm	Straw Wattle	Looking northwest

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: Q003

CHQ-SMA-2

Sites: 33-004(d)
33-007(c)
C-33-003

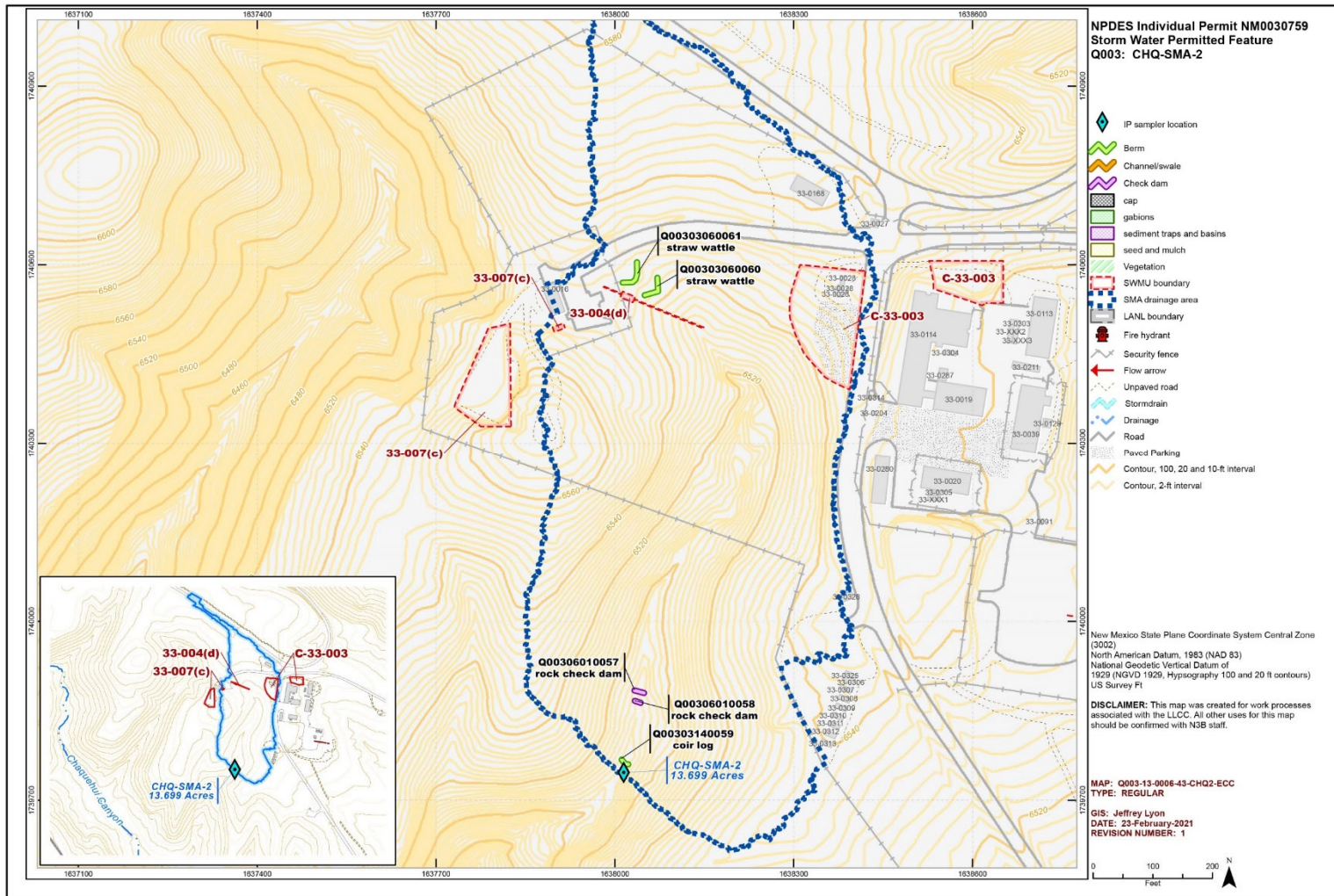


Figure 1 CHQ-SMA-2 enhanced control measures

**Certification of Installation of Enhanced Control
Measures at CHQ-SMA-7.1**

April 21, 2021

NPDES PERMIT NO. NM0030759


EM2021-0161

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF ENHANCED CONTROL MEASURES****PF: Q010****CHQ-SMA-7.1****Site: 33-010(g)**

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."



Kim Lebak, Program Manager
Environmental Remediation
Newport News Nuclear BWXT-Los Alamos, LLC

April 7, 2021
Date

M Lee Bishop

Digitally signed by M Lee Bishop
Date: 2021.04.21 13:19:42
-06'00'

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

Date

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q010**CHQ-SMA-7.1****Site: 33-010(g)**

In August 2018, analytical results received from corrective action monitoring at Site Monitoring Area (SMA) CHQ-SMA-7.1 exceeded target action levels (TALs) for aluminum, copper, and gross alpha, 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 2–3) and a map (Figure 1) of the enhanced control measures to be certified.

**Table 1
Enhanced Control Measure Descriptions**

BMP* ID	Type of Control Measure	Control Measure	Photo ID
Q01003140013	Berm	Coir Log	1.JPG
Q01003140014	Berm	Coir Log	2.JPG

*BMP = Best management practice.

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q010

CHQ-SMA-7.1

Site: 33-010(g)

Photos:



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
1. JPG	Q01003140013	Berm	Coir Log	Looking north

**NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: Q010

CHQ-SMA-7.1

Site: 33-010(g)



Photo ID	BMP ID	Type of Control Measure	Control Measure	Photo Angle
2. JPG	Q01003140014	Berm	Coir Log	Looking north

NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: Q010

CHQ-SMA-7.1

Site: 33-010(g)

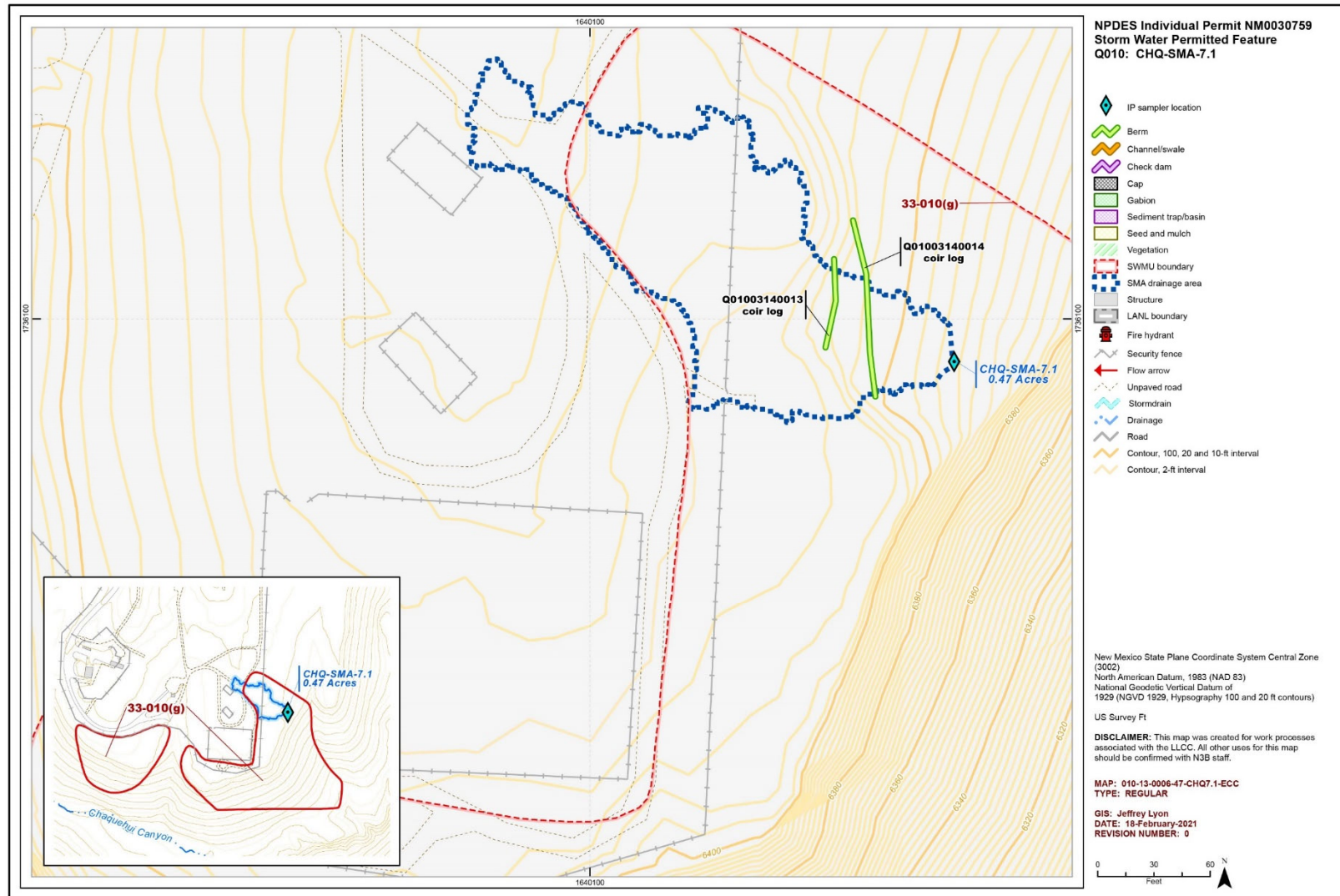


Figure 1 CHQ-SMA-7.1 enhanced control measures