

EP-DIV-SOP-20060, R0

# Certifying Individual Permit Storm Water Control Measures

Effective Date: 4/3/13

Procedure Owner:	Signature:	Date:
Steven Veenis	/S/ Steve Veenis	4/3/13

**REVISION HISTORY**

Document No./Revision No.	Issue Date	Action	Description
EP-DIV-SOP-20060, R0	4/3/13	New document	New document

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## 1. PURPOSE AND SCOPE

This procedure describes the verification and certification process for storm water control measures installed for the NPDES Individual Permit. This procedure applies to the project personnel conducting activities within permitted areas.

## 2. BACKGROUND

The Environmental Protection Agency (EPA) National Pollution Discharge Elimination System (NPDES) Individual Permit (IP) requires the condition of Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs), collectively referred to as Sites, at Los Alamos National Laboratory (LANL), be assessed for potential pollutants, presence of erosion, condition of existing control measures, and need for additional control measures. Associated Sites are organized into site monitoring areas (SMAs). Site-specific control measures are installed and implemented to minimize potential pollutants in storm discharge.

Storm water control measures installed in response to analytical results greater than the applicable target action levels or other compliance driven installation are verified and updates **made to IP** documentation. Upon verification these control measures installations will be certified as complete to the EPA as per NPDES Permit No. NM0030759, Section E.1. (c).

## 3. REFERENCES

EP-DIV-SOP-20012, *Installing, Inspecting, and Maintaining Individual Permit Storm Water Control Measures*

EP-CAP-IWD-1016, *Corrective Action Program (CAP) General Field Work Activities and Site visits in Undeveloped Areas for Surface Water and/or Storm Water BMP*

LANL Storm Water Best Management Practices (BMP) Manual,  
<http://int.lanl.gov/orgs/env/rcra/qa.shtml?2>

Processing Stormwater Work Orders in Maintenance Connection Desk Instruction  
Change Control Notification Process in Maintenance Connection Desk Instruction

#### **4. TRAINING PREREQUISITES**

Personnel performing this procedure will be familiar with the most current versions of the following procedures and operation manuals:

- EP-DIV-SOP-20012, Installing, Inspecting, and Maintaining Individual Storm Water Control Measures

#### **5. PRECAUTIONS AND LIMITATIONS**

The activities performed in accordance with this procedure are determined to be “low hazard” as defined by P300, Integrated Work Management: therefore, no hazard analysis is required to perform this procedure. However, all hazards and controls associated with general field work are identified in Parts 1 and 2 of Integrated Work Document EP-CAP-IWD-1016.

#### **6. PREREQUISITE ACTIONS**

##### **6.1 Preceding Processes**

The activities performed in this procedure are preceded by the processes of planning and installation of storm water control measures. These processes are covered under separate operating procedures.

##### **6.2 Equipment and Tools**

Ensure the following equipment is available in the field vehicle:

- Necessary forms (e.g. Control Measure Verification)
- Radio
- Pager
- Cell phone (Government cell phone only in secure areas)
- Necessary access and station keys

##### **6.3 Preparing for Field Activities**

###### **Field Team Lead or Designee**

- [1] Receipt of a work order indicates that verification has been approved by the ADEP Field Team Lead. Schedule work to be completed by the target date appearing on the work order(s). Receipt of a Certification Package indicates that certification is ready for approvals. Schedule work to be completed as soon as possible.

### **6.3 Preparing for Field Activities (continued)**

- [2] Example verification work order form and certification package is provided in Attachments 1 and 2, for each activity described by this procedure.
- [3] Distribute work order(s) to field personnel OR Certification Package(s) to ADEP Project Lead or designee.
- [4] Inform the Field Operations designee of the schedule for verification and/or certification work and locations up to a week (preferred) before but no later than the day before (for minor changes) to be added to the appropriate plan of the day.
- [5] Conduct pre-job briefing with field personnel using the current Integrated Work Document. Obtain worker signatures on new or newly-revised IWDs. Two people are required for field work. Work should only be done during daylight hours. Extended work hours, if needed, must be approved by a supervisor.
- [6] For work at sites operated by Weapons Facility Operations or Nuclear Environmental Sites, notify the appropriate access control before traveling to those sites. The IWD Part II will address specific requirements and training for these sites.

#### **Field Team Member**

- [7] Obtain any necessary additional paperwork before conducting this work, including IWD's, and excavation permits (if necessary).
- [8] Gather the required equipment (see section 6.0) for the work to be done.

## **7. STEP-BY-STEP PROCESS DESCRIPTION**

### **7.1 Verifying Control Measures**

#### **Field Team Member**

- [1] Follow the steps in this section when a work order is received to verify control measures. An example of a verification work order is provided in Attachment 1. Inspect control measure(s) according to the LANL Storm Water BMP Manual and/or Site plans and specifications for specific materials and structures.

## 7.1 Verifying Control Measures (continued)

- [2] **Item 1:** Enter the date and time work is completed and the names and Z numbers of the field personnel performing the work in the upper right corner of the work order. List the field lead first. If more than two personnel conduct the work, enter the additional names in the “Additional Notes” section.
- [3] **Item 2:** Verify and document the control measure is performing the function as listed, match the work order column 2 by checking the “Yes” or “No” box. If functions are not recorded or do not match the work order, update inaccurate or incomplete information.
- [4] **Item 3:** Verify and document the installation was performed correctly and control measure is functioning properly in column 3 by checking the “Yes” or “No” box. If a control measure is not operating effectively or installed improperly, describe the condition in Column 5.
- [5] **Item 4:** Verify that the location of each control measure is accurately represented on the Site Map and document in column 4 by checking the “Yes” or “No” box. If map corrections are recommended, document in Column 5 and mark the Site Map with corrections. Initial and date all changes on the Site Map. Permanent Vegetation areas will not be plotted on Site Maps.
- [6] **Item 5:** If no maintenance or other action is recommended write “no action recommended” or “NAR” in Column 5. If a control measure needs maintenance or other action (e.g. retire) then describe.
- [7] **Item 6:** If a photo was taken write the photo number in Column 5. Identify the photo by the camera photo identification number. If photos are taken in a secure area, follow the guidance in the Photographic Equipment and Activity Authorization form (see LANL Form 1897PA, PS-1) and obtain a DC review of the photo(s).
- [8] **Item 7:** Document any control measure location changes to the Site Map by checking the “Yes” or “No” box. If an amendment to a control measure location on the map is recommended, an altered Site Map must be submitted with this form showing the recommendation(s).

## 7.1 Verifying Control Measures (continued)

- [9] **Item 8:** Document any other changes to the Site Map by checking the “Yes” or “No” box. If an amendment on a map is recommended, an altered Site Map must be submitted with this form showing the recommendation(s).
- [10] **Item 9:** Document a sampler move by checking the “Sampler moved to a new location?” “Yes” or “No” box. Note whether a new sampler location is flagged in the field. If no action is recommended, write “No Action Recommended” or “NAR” in column 2.
- [11] **Item 10:** Document flow arrow updates by checking the “Updates made to flow arrows?” “Yes” or “No” box. If no action is recommended, write “No Action Recommended” or “NAR” in column 2.
- [12] **Item 11:** Document SMA boundary changes by checking the “Updates made to SMA boundary?” “Yes” or “No” box. If no action is recommended, write “No Action Recommended” or “NAR” in column 2.
- [13] **Item 12:** Document GPS coordinates of control measures were taken by checking the “Were GPS coordinates of control measures taken?” “Yes” or “No” box. If no action is recommended, write “No Action Recommended” or “NAR” in column 2.
- [14] **Item 13:** Document GPS coordinates of a new sampler location were taken by checking the “Were GPS coordinates of new sampler location taken?” “Yes” or “No” box. If no action is recommended, write “No Action Recommended” or “NAR” in column 2.
- [15] **Item 14:** Use the “Additional Notes” section for any additional notes or Site information. If additional storm water controls have been installed on the site describe the control, its function, photo ID. Mark the new control on the map. If no notes are needed, write “none”.
- [16] **Item 15:** Indicate if a continuation sheet was used by checking the “Continuation Form” “Yes” or “No” box. If a continuation sheet was used, write the work order ID onto the continuation sheet and attach to the form.
- [17] **Item 16:** The Lead Inspector will certify that the information submitted is “true, accurate, and complete” by signing and dating the “Lead Signature” line.



## **7.1 Verifying Control Measures (continued)**

- [18] Turn in completed forms, maps, and any other documentation to the Data Management (DM) Team or designee at the end of each day.
- [19] Download photos at the end of each day. Ensure downloaded photos are saved to designated folder and named by verification work order number and order photos were taken (e.g. first photo taken for BMP-00000 is named 00000-1).
- [20] Ensure GPS coordinates are download by GIS staff for map updates.

### **Stormwater Data Management Team**

- [21] Process verification work order(s) as per Processing Stormwater Work Orders in Maintenance Connection Desk Instruction.
- [22] Process any needed change controls to update database and site maps as per Change Control Notification Process in Maintenance Connection Desk Instruction.
- [23] Issue sampler installation work order(s) to field team.
- [24] Issue sampler verification work order(s) to field team lead or designee.
- [25] Notify Field Team Lead or designee when sampler has been installed and verified and database updates have been completed.

## **7.2 Producing a Certification Package and Information Document**

### **Field Team Lead or Designee**

- [1] Notify Data Management Team of certification package(s) to be produced.

### **Stormwater Data Management Team**

- [2] Follow the steps in this section when a notification is received to produce a Certification Package and Information Document. An example of a Certification Package is provided in Attachment 2. An example of an Information Document is provided in Attachment 3
- [3] Log on to the SWTS database to use SWTS scripts to produce the Certification Package and Information Document.
- [4] Check page numbers

**7.2 Producing a Certification Package and Information Document (continued)**

- Count number of pages for EC part, replace, remove bold.
  - Count number of pages for Appendix, replace, remove bold.
- [5] Obtain LA-UR number and insert number into package.
- [6] Notify Project Lead of completed Certification Package(s) and Information Document(s).
- [7] Issue sampler activation work orders to the EP Project Lead or designee.

**7.3 Obtaining Approvals**

**EP Project Lead or designee**

- [1] Contact Department of Energy (DOE) representative and LANL Corrective Action Program (CAP) Program Manager (PM) to coordinate and schedule field visit to SMA(s).
- [2] See Section 6.3 to prepare for field activities.
- [3] Conduct field visit(s) with DOE representative and CAP PM.
- [4] Obtain CAP PM and DOE signatures on the signature page of the Certification Package(s).
- [5] Activate sampler while at the SMA and complete the Sampler Activation form.
- [6] Return completed Sampler Activation form to the DM Team or designee at the end of each day.
- [7] Make a copy of the signed Certification Package(s). Submit the copy and the Information Document to the Stormwater and Individual Permit Records Management and Document Control Team.

**7.4 Transmittal to ADEP Publicactions Team**

**EP Project Lead**

- [1] Transmit signed Certification Package(s) to the ADEP Publications Team for production of cover letter to EPA following ADEP Publications Team process.

**7.4 Transmittal to ADEP Publications Team (continued)**

**ADEP Publications Team**

- [2] ADEP Publications Team transmits the original cover letter(s) and Certification Package(s) to EPA. This team will be responsible for submitting a copy of the cover letter(s) and copy of the Certification Package(s) to ADEP Records Processing Facility.

**8. RECORDS PROCESSING**

**Field Team Member**

- [1] Ensure that documents generated by the performance of this procedure are processed as follows:

Record Identification	Record Type Determination	Protection/Storage Methods	Processing Instructions
Work Orders: 20060-1	Form	N/A	When complete, submit the work order to the Stormwater Data Management Team

**Stormwater Data Management Team**

- [2] Ensure that documents generated by the performance of this procedure are processed as follows:

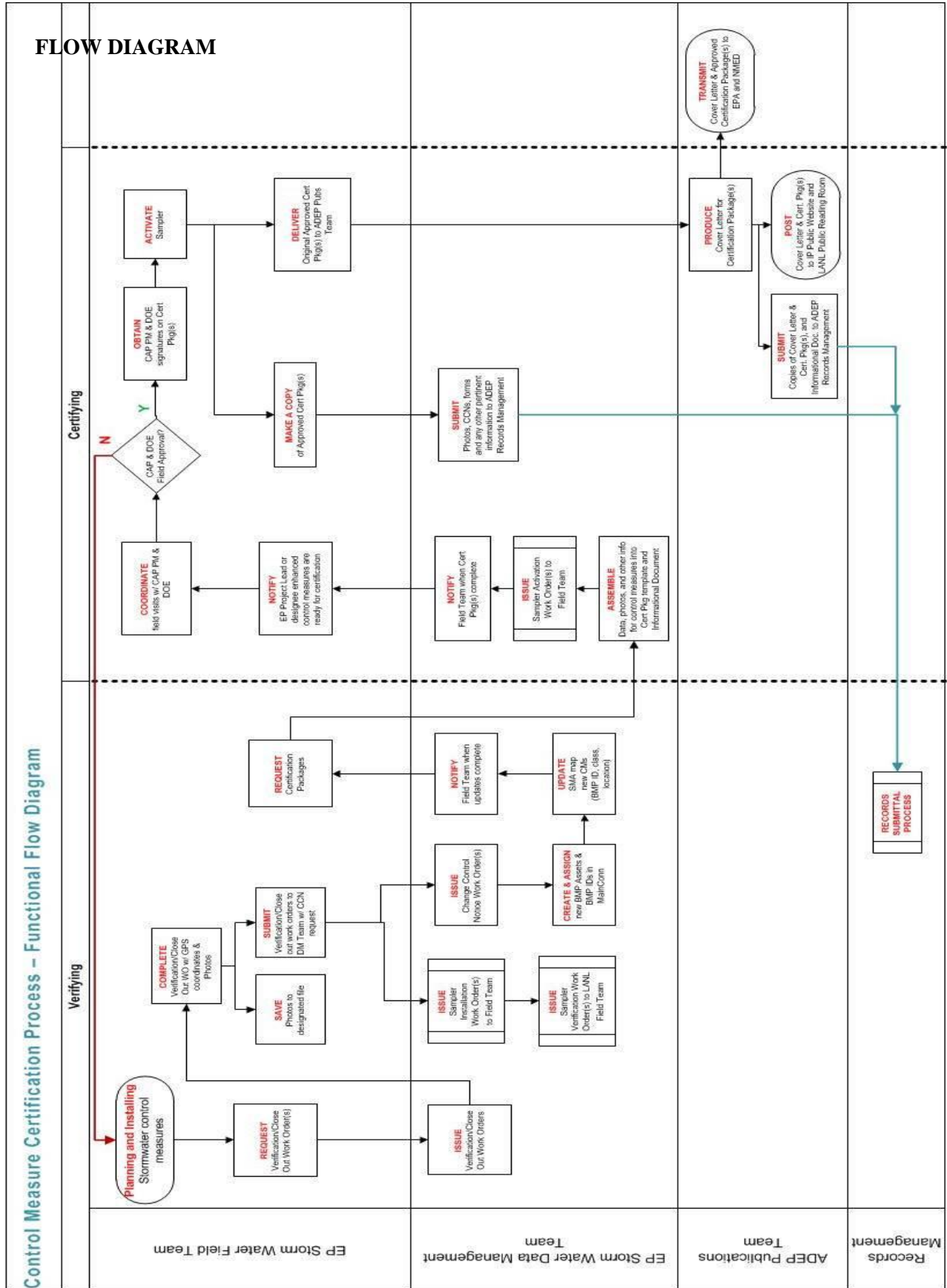
Record Identification	Record Type Determination	Protection/Storage Methods	Processing Instructions
Work Orders: 20060-1	Form	N/A	When complete, submit the work order to Records Management
Change Control Notification SOP-CCN-ENH	Form	N/A	When complete, submit the document to Records Management

**EP Project Lead or Designee**

- [3] Ensure that documents generated by the performance of this procedure are processed as follows:

Document: Informational Document	Document	N/A	After Certification Package is signed, submit the document to Records Management
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9. FLOW DIAGRAM



**10. ATTACHMENTS**

Attachment 1: Example Control Measure Verification: 20060-1

Attachment 2: Example Certification Package

Attachment 3: Example Information Document

[Click here for "Required Read" credit.](#)

**ATTACHMENT 1**

Page 1 of 2

Example of Control Measure Verification

EP-DIV-SOP-20060-1

**Control Measure Verification Form**

**Work Order ID: BMP-23204**

Project ID: P-BMP-1861

**L016 : LA-SMA-5.33**

**1** Date: \_\_\_\_\_ Time: \_\_\_\_\_

Project: 2012 Enhanced Control Measure verification.

Name/Z#: \_\_\_\_\_

Target Date: 5/18/2012

Name/Z#: \_\_\_\_\_

Reason: Enhanced Control Measure verification.

**16** Lead Signature: \_\_\_\_\_

Map ID: 1, L016-10-0017-86-LA5.33-R7

"I confirm the information as recorded is true, accurate and complete."

Control Measure (CM) List CM ID [Class] [Type]	Is CM performing stated function(s)?	Is CM correctly installed and functioning properly?	Is CM correctly located on Site Map? (exclude vegetation)	Describe: (continue on back if needed)  (1) Note "No Action Required" (NAR), or identify action required. (2) If photo taken, identify camera photo ID.
L01602020004 [Permanent Vegetation] [Permanent Vegetation Forested/Needle Cast]	EC <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>2</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>3</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>4</b>	<b>Photo ID:</b> <b>5 6</b>
L01601030010 [Seed and Mulch] [Hydromulch]	EC <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Photo ID:</b>
L01603010009 [Berm] [Earthen Berm]	SC <input type="checkbox"/> Yes <input type="checkbox"/> No RON <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Photo ID:</b>
L01603040011 [Berm] [Asphalt Berm]	SC <input type="checkbox"/> Yes <input type="checkbox"/> No RON <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Photo ID:</b>
L01603040012 [Berm] [Asphalt Berm]	SC <input type="checkbox"/> Yes <input type="checkbox"/> No RON <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Photo ID:</b>
L01603100005 [Berm] [Gravel Bags]	SC <input type="checkbox"/> Yes <input type="checkbox"/> No ROF <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Photo ID:</b>

**ATTACHMENT 1**

Page 2 of 2

**Example of Control Measure Verification**

EP-DIV-SOP-20060-1

**Control Measure Verification Form**

**Work Order ID: BMP-23204**

Project ID: P-BMP-1861

Have you changed the location of a BMP on the Site Map?  Yes  No **7**  
If Yes, submit altered Site Map with this form.

Have you amended the Site Map in any other way?  Yes  No **8**  
If Yes, submit altered Site Map with this form.

**SMA/Site Review** Note "No Action Recommended" (NAR), or describe action recommended below.  
(continue below if needed)

Sampler moved to a new location?  Yes  No **9**

Updates made to flow arrows?  Yes  No **10**

Updates made to SMA boundary?  Yes  No **11**

Were GPS coordinates of control measures taken?  Yes  No **12**

Were GPS coordinates of new sampler location taken?  Yes  No **13**

Additional Notes: **14**

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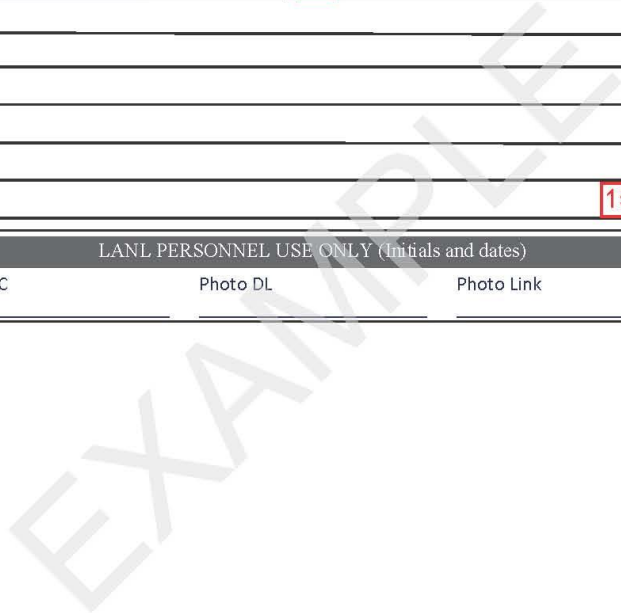
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**15** Continuation Form:  Yes  No

LANL PERSONNEL USE ONLY (Initials and dates)				
Accepted	Tech QC	Photo DL	Photo Link	FTL Review





**ATTACHMENT 2**

Page 1 of 8

Example of Certification Package

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**Certification of Installation of  
Enhanced Control Measures  
at 2M-SMA-1.42**

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**LA-UR-12-XXXXX**

**ATTACHMENT 2**

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Example of Certification Package

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EXAMPLE

**ATTACHMENT 2**

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Example of Certification Package

NPDES PERMIT NO. NM0030759  
LOS ALAMOS NATIONAL LABORATORY  
CERTIFICATION OF ENHANCED CONTROL MEASURES INSTALLATION  
PF: E002 2M-SMA-1.42 Sites: 06-001(a) LA-UR-12-XXXXX

The following certification was performed in accordance with NPDES Permit No NM0030759, Part I.E. 1(c), which requires the Permittees (i.e. DOE and LANS) 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.

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**CERTIFICATION STATEMENT OF AUTHORIZATION**

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"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. "

---

xxxxxxx xxxxxxx, Program Manager  
Environmental Programs  
Corrective Actions Program  
Los Alamos National Laboratory

---

Date

---

xxxxxxx xxxxxxx, Environmental Permitting  
Los Alamos Site Office  
National Nuclear Security Administration

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Date

**ATTACHMENT 2**

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Example of Certification Package

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EXAMPLE

**ATTACHMENT 2**

Page 5 of 8

Example of Certification Package

NPDES PERMIT NO. NM0030759

LA-UR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY

CERTIFICATION OF ENHANCED CONTROL MEASURES INSTALLATION

PF: E002

2M-SMA-1.42

Sites: 06-001(a)

In accordance with Part I.E.1(a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area was completed on 05/17/2012.

**Enhanced Control Measure Description:**

BMP ID	Type of Control Measure	Control Measure	Photo ID
E00201010013	Seed and Mulch	Seed and Wood Mulch	23499-3.JPG
E00203010011	Berms	Earthen Berm	23499-1.JPG
E00203010012	Berms	Earthen Berm	23499-3.JPG

**ATTACHMENT 2**

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Example of Certification Package

NPDES PERMIT NO. NM0030759

LA-UR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY

CERTIFICATION OF ENHANCED CONTROL MEASURES INSTALLATION

PF: E002

2M-SMA-1.42

Sites: 06-001(a)

**Photos:**



Photo: 23499-3.JPG

E00201010013

E00203010012

Seed and Mulch - Seed and Wood Mulch

Berms - Earthen Berm



**ATTACHMENT 2**  
Page 7 of 8  
Example of Certification Package

NPDES PERMIT NO. NM0030759  
LOS ALAMOS NATIONAL LABORATORY  
CERTIFICATION OF ENHANCED CONTROL MEASURES INSTALLATION  
PF: E002 2M-SMA-1.42 Sites: 06-001(a) LA-UR-12-XXXXX

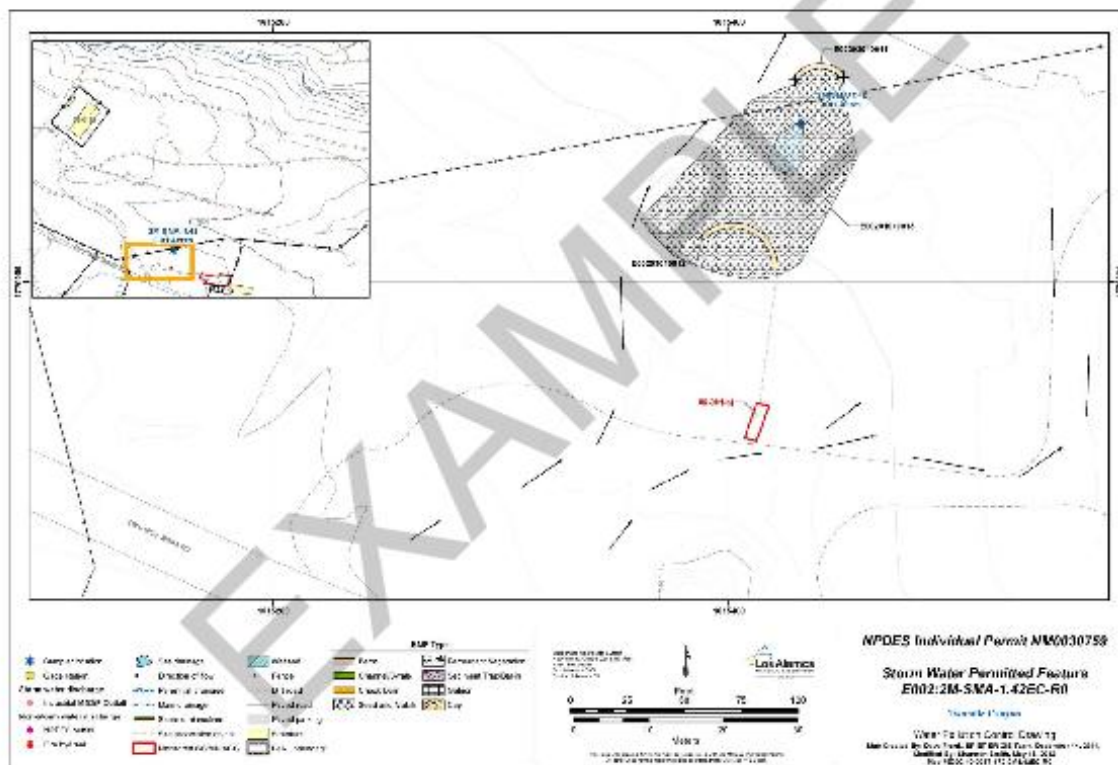


Photo: 23499-1.JPG  
E00203010011 Berms - Earthen Berm

**ATTACHMENT 2**  
Page 8 of 8  
Example of Certification Package

NPDES PERMIT NO. NM0030759 LA-UR-12-XXXXX  
LOS ALAMOS NATIONAL LABORATORY  
CERTIFICATION OF ENHANCED CONTROL MEASURES REPORT  
PF: E002 2M-SMA-1.42 Sites: 06-001(a)

Map with Enhanced Control Measures:





**ATTACHMENT 3**

Page 1 of 10

Example of Information Document

**Control Measures  
at 2M-SMA-1.42**

**NPDES PERMIT NO. NM0030759**

**LA-UR-12-XXXXX**

**ATTACHMENT 3**

Page 2 of 10

Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY

CONTROL MEASURES AT:

PF: E002

2M-SMA-1.42

Site(s): 06-001(a)

This document provides information about all controls measures located at all sites within the SMA drainage area.

**Control Measures:**

BMP ID	Status	Retired Date	Cert Date	Type of Control Measure	Control Measure	Photo	EC <sup>a</sup>	Run Off <sup>b</sup>	Run on <sup>c</sup>	Sed <sup>d</sup>	Cert Status
E00201010013	Active	na	tbd	Seed and Mulch	Seed and Wood Mulch	23499-3.JPG	X	-	-	-	ECM
E00202010001	Active	na	12/13/10	Permanent Vegetation	Permanent Vegetation Grasses and Shrubs	23499-3.JPG	X	-	-	-	BC6
E00202020002	Active	na	12/13/10	Permanent Vegetation	Permanent Vegetation Forested/Needle Cast	23499-3.JPG	X	-	-	-	BC6
E00203010009	Retired	5/14/12	12/13/10	Berms	Earthen Berm	8518-4r.JPG	-	-	X	X	BC6
E00203010010	Retired	11/30/11	12/13/10	Berms	Earthen Berm	8518-1r.JPG	-	X	-	X	BC6
E00203010011	Active	na	tbd	Berms	Earthen Berm	23499-1.JPG	-	X	-	X	ECM
E00203010012	Active	na	tbd	Berms	Earthen Berm	23499-3.JPG	-	-	X	X	ECM
E00203010014	Active	na	tbd	Berms	Earthen Berm	23499-3.JPG	-	-	X	X	ECM
E00203120003	Active	na	12/13/10	Berms	Rock Berm	23499-3.JPG	-	-	X	X	BC6
E00206010006	Active	na	12/13/10	Check Dam	Rock Check Dam	23499-2.JPG	-	-	X	X	BC6
E00206010007	Active	na	12/13/10	Check Dam	Rock Check Dam	23499-2.JPG	-	-	X	X	BC6
E00206010008	Active	na	12/13/10	Check Dam	Rock Check Dam	23499-2.JPG	-	-	X	X	BC6

a) EC - Erosion control

**ATTACHMENT 3**

Page 3 of 10

Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:  
2M-SMA-1.42

PF: E002

Site(s): 06-001(a)

- b) Run Off - Run-off control
- c) Run On - Run-on control
- d) Sed - Sediment control

EXAMPLE

**ATTACHMENT 3**

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Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:  
2M-SMA-1.42

PF: E002

Site(s): 06-001(a)

**Photos:**



Photo: 23499-1.JPG  
E00203010011 Berms - Earthen Berm

**ATTACHMENT 3**  
Page 5 of 10  
Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:  
2M-SMA-1.42

PF: E002

Site(s): 06-001(a)



Photo: 23499-2.JPG

E00208010006 Check Dam - Rock Check Dam

E00208010007 Check Dam - Rock Check Dam

E00208010008 Check Dam - Rock Check Dam



**ATTACHMENT 3**

Page 6 of 10

Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:  
2M-SMA-1.42

PF: E002

Site(s): 06-001(a)



Photo: 23499-3.JPG

E00201010013	Seed and Mulch	-	Seed and Wood Mulch
E00202010001	Permanent Vegetation	-	Permanent Vegetation Grasses and Shrubs
E00202020002	Permanent Vegetation	-	Permanent Vegetation Forested/Needle Cast
E00203010012	Berms	-	Earthen Berm
E00203010014	Berms	-	Earthen Berm
E00203120003	Berms	-	Rock Berm

**ATTACHMENT 3**

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Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:

PF: E002

2M-SMA-1.42

Site(s): 06-001(a)



Photo: 8518-1r.JPG  
E00203010010 Berms - Earthen Berm



**ATTACHMENT 3**

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Example of Information Document

NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:

PF: E002

2M-SMA-1.42

Site(s): 06-001(a)



Photo: 8518-4r.JPG

E00203010009 Berms - Earthen Berm



**ATTACHMENT 3**

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NPDES PERMIT NO. NM0030759

LAUR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:

PF: E002

2M-SMA-1.42

Site(s): 06-001(a)

**Sampler Relocation Information:**

Location	SMA	Station ID	Northing	Easting
Permit Location				
Updated Location				

**SMA Boundary Change:**

Change	Change Date	Explanation of Move
SMA Boundary PADF	12/01/09	SMA Boundary updated during PADF review process.

**Site Boundary Change:**

Site	Site Description	Change	Change Date	Explanation of Move
06-001(A)	Septic System	Site Boundary Change	03/22/11	Site boundary updated to show currently recognized extent or boundary.

**ATTACHMENT 3**

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NPDES PERMIT NO. NM0030759

LA-UR-12-XXXXX

LOS ALAMOS NATIONAL LABORATORY  
CONTROL MEASURES AT:  
2M-SMA-1.42

PF: E002

Site(s): 06-001(a)

Map of Active Controls:

