


Immediate Procedure Change (IPC) Cover			
Section 1 – Originator Request			
Document No.: EP-DIV-SOP-20060	Revision No.: 0	IPC No.: 1	
Title: Certifying Individual Permit Storm Water Control Measures			
Description of need and requested action (Attach document mark-up and numbered additional sheets, if needed): Attachments 1 revised to show updated example of Work Order forms, Attachment 4 added to show electronic example of Work Order form. Revisions to text to update "Items" and references to examples of work order forms. Added text discussing work order form formatting changes.			
Originator Name (print): Shannon Smith	Organization: ER-DO	Z#: 184219	Date: 4/27/16
Section 2 – Reviews			
Discipline	Name	Signature	Date
SME	Thaddeus Kostrubala	/s/ Thaddeus Kostrubala	5/11/16
SME	Jeff Walterschied	/s/ Jeff Walterschied	5/18/16
FTL	William Foley	/s/ William Foley	5/13/16
Maintenance Connection FTL Designee	Karen Velarde-Lashley	/s/ Karen Velarde-Lashley	5/13/16
Maintenance Connection FTL Designee	Erik Loechell	/s/ Erik Loechell	5/12/16
USQ/USI Number: EWMO-16-119-S			<input type="checkbox"/> N/A
Section 3 – Final Approvals			
FOD Concurrence Signature NA	Print Name and Title NA	Z# NA	Date NA
<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Limited Use	Effective Date: 5-25-2016 Expiration Date:		
Comments: DC Verification: 5-16-16 1st Billy Turney - UNCLASSIFIED			
Responsible Line Manager Signature 	Print Name, Title Gerald Fordham	Z# 235946	Date 5-24-16

LANL

P315, Rev. 6
Effective Date: 07/08/15

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
EP-DIV-SOP-20060, R0	5/25/16	IPC-1	Updated Attachments 1 and 4 and edited procedure steps for MainConn cloud migration.

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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
- Government issued iPad (for electronic data collection)

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6.3 Preparing for Field Activities

Field Team Lead or Designee

- [1] Receipt of a hard copy or electronic copy 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.

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

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- [2] Example verification hard copy work order form and certification package is provided in Attachments 1 and 2, for each activity described by this procedure. Example verification electronic copy work order form is provided in Attachment 3.

NOTE: *The hosted Maintenance Connection database system configuration used to produce work order forms is subject to change. This will affect how hard-coded sections in forms print to hard copy. Sections shown in the Attachment with a red strikethrough line indicate that they should be disregarded if printed on a hard-copy form, and should not be used for recording inspection information. For all tasks on the Work Order record a "Yes" answer by choosing "Complete" or a "No" answer by selecting "Failed".*

- [3] Distribute work order(s) to field personnel OR Certification Package(s) to ADEP Project Lead or designee.

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If conducting electronic data collection, use the iPad to navigate to mcxle.maintenanceconnection.com and log into the Express LE application. Confirm that the work order list displayed in the "My WO's" section contains the expected verification work order. If expected work order(s) are not displayed, click "Sync" to refresh the application. If the work order lists still do not match contact a Data Management Team member for clarification.

Disconnect the application from constant internet accessibility by clicking the Menu Button and select the 'Disconnect'. (The time stamp in the upper right hand corner will change to red).

NOTE: *This step is necessary for electronic data collection in areas where 4g network coverage on LANL property is not available*

- [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.

Reference

- [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 hard copy verification work order is provided in Attachment 1, and an example of an electronic copy verification work order is provided in Attachment 4. For steps in this section identified with "**Item #**," refer to the corresponding numeric callouts in Attachments 1 and 4. Inspect control measure(s) according to the LANL Storm Water BMP Manual and/or Site plans and specifications for specific materials and structures

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7.1 Verifying Control Measures (continued)

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- [2] **Item 1:** Enter the Responded (i.e. arrival) date and time:
- Hard copy: Complete the section provided on the signature page. Also document the names and Z numbers of the field personnel performing the work. List the field lead first. If more than two personnel conduct the work, enter the additional names in the “Labor Report” section.
 - Electronic copy: Select the appropriate Work Order from the My WOs page and select “Responded” from the Status dropdown. Document the names and Z numbers of field personnel performing the work in the “Labor Report” section.
- NOTE:** *If you are conducting electronic data collection alongside hard copy data collection, this date/time needs to be identical to the Responded date/time entered on the hard copy form SOP-20060-1*
- [3] **Item 2:** Verify and document the control measure is performing the function as listed, in the Active Control Measures table of the SDPPP (available at <http://www.lanl.gov/environment/protection/compliance/individual-permit-stormwater/site-discharge-pollution-prevention-plan.php>) by checking the “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If functions are not recorded or do not match the table, update inaccurate or incomplete information on the task comment line. If more space is needed on a hard copy form, continue comment in the “Labor Report”, citing task number. If no change to function is recommended, write “no action recommended” or “NAR” on the task comment line.
- [4] **Item 3:** Verify and document the installation was performed correctly and control measure is functioning properly by checking the “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If a control measure is not operating effectively or installed improperly, describe the condition and maintenance need or other action (e.g. retire) on the task comment line. If more space is needed on a hard copy form, continue comment in the “Labor Report”, citing task number. If no maintenance or other action is recommended, write “no action recommended” or “NAR” on the task comment line.
- [5] **Item 4:** Verify that the location of each control measure is accurately represented on the Site Map and document by checking the “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If map corrections are recommended, document on the task comment line and mark the Site Map with corrections. Initial and date all changes on the Site Map.
- [6] **Item 5:** If a photo was taken write the photo number in the task comment line. If more

Reference

space is needed on a hard copy form, continue in the “Labor Report” citing task number. 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).

IPC-1

- [7] **Item 6:** Document any control measure location changes to the Site Map by checking the “Complete (i.e. Yes)” or “Failed (i.e. 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)

IPC-1

- [8] **Item 7:** Document any other changes to the Site Map by checking the “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If an amendment on a map is recommended, an altered Site Map must be submitted with this form showing the recommendation(s).
- [9] **Item 8:** Document a sampler move by checking the “Sampler moved to a new location?” “Complete (i.e. Yes)” or “Failed (i.e. No)” box. Note whether a new sampler location is flagged in the field in the task comment line. If more space is needed on a hard copy form continue comment in the “Labor Report”, citing task number. If no action is recommended, write “No Action Recommended” or “NAR” in the task comment line.
- [10] **Item 9:** Document flow arrow updates by checking the “Updates made to flow arrows?” “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If flow arrow updates are recommended, an altered Site Map must be submitted with this form showing the recommendation(s). If no action is recommended, write “No Action Recommended” or “NAR” in the task comment line.
- [11] **Item 10:** Document SMA boundary changes by checking the “Updates made to SMA boundary?” “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If no action is recommended, write “No Action Recommended” or “NAR” in the task comment line.
- [12] **Item 11:** Document GPS coordinates of control measures were taken by checking the “Were GPS coordinates of control measures taken?” “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If no action is recommended, write “No Action Recommended” or “NAR” in the task comment line.
- [13] **Item 12:** Document GPS coordinates of a new sampler location were taken by checking the “Were GPS coordinates of new sampler location taken?” “Complete (i.e. Yes)” or “Failed (i.e. No)” box. If no action is recommended, write “No Action Recommended” or “NAR” in the task comment line.
- [14] **Item 13:** Use the “Labor Report” 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. If more space is needed on a hard copy form use a blank continuation page. Mark the new control on the map. If no notes are needed, write “none
- [15] **Item 14:** Confirm that *every* page in the hard copy work order package has been documented with the Work Order ID and page # of total # of pages (for additional work order task page(s) and continuation page(s), document in the lower right hand corner, and

on the lines provided on the signature page)..

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[16] **Item 15:** Enter the Completed (i.e. departure) date and time:

Hard copy: Complete the section provided on the signature page.

Electronic copy: Select “Completed” from the Status dropdown..

NOTE: *If you are conducting electronic data collection alongside hard copy data collection, this date/time needs to be identical to the Completed date/time entered on the hard copy form SOP-20060-1*

[17] **Item 16:** The Lead Inspector will certify that the information submitted is “true, accurate, and complete” by:

Hard copy: Signing and dating the “Lead Signature” line on the signature page..

Electronic version: Clicking on the Signature bar to open the signature section, and typing your full name and Z# in the “Comments” text field, then capturing an electronic signature.

NOTE: *If you are conducting electronic data collection alongside hard copy data collection, the signatory needs to be the same signatory of the hard copy form SOP-20060-1.*

[18] If electronic data collection was performed, navigate back to the “My WO”s page. Using the “Menu dropdown” (see attachment 4 **Item 17**) confirm you are in a ‘Connected’ state, then select “Sync”. All Work Orders placed in Completed status (see **Item 15**) since the last synchronization will be uploaded to the Maintenance Connection database. At the end of field work, Log out of the application.

7.1 Verifying Control Measures (continued)

- [19] Turn in completed forms, maps, and any other documentation to the Data Management (DM) Team or designee at the end of each day.
- [20] 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).
- [21] Ensure GPS coordinates are download by GIS staff for map updates.

Stormwater Data Management Team

- [22] Process verification work order(s) as per Processing Stormwater Work Orders in Maintenance Connection Desk Instruction.
- [23] Process any needed change controls to update database and site maps as per Change Control Notification Process in Maintenance Connection Desk Instruction.
- [24] Issue sampler installation work order(s) to field team.
- [25] Issue sampler verification work order(s) to field team lead or designee.
- [26] 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.

IPC-1 | 7.4 Transmittal to ADEP Publications 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)

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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

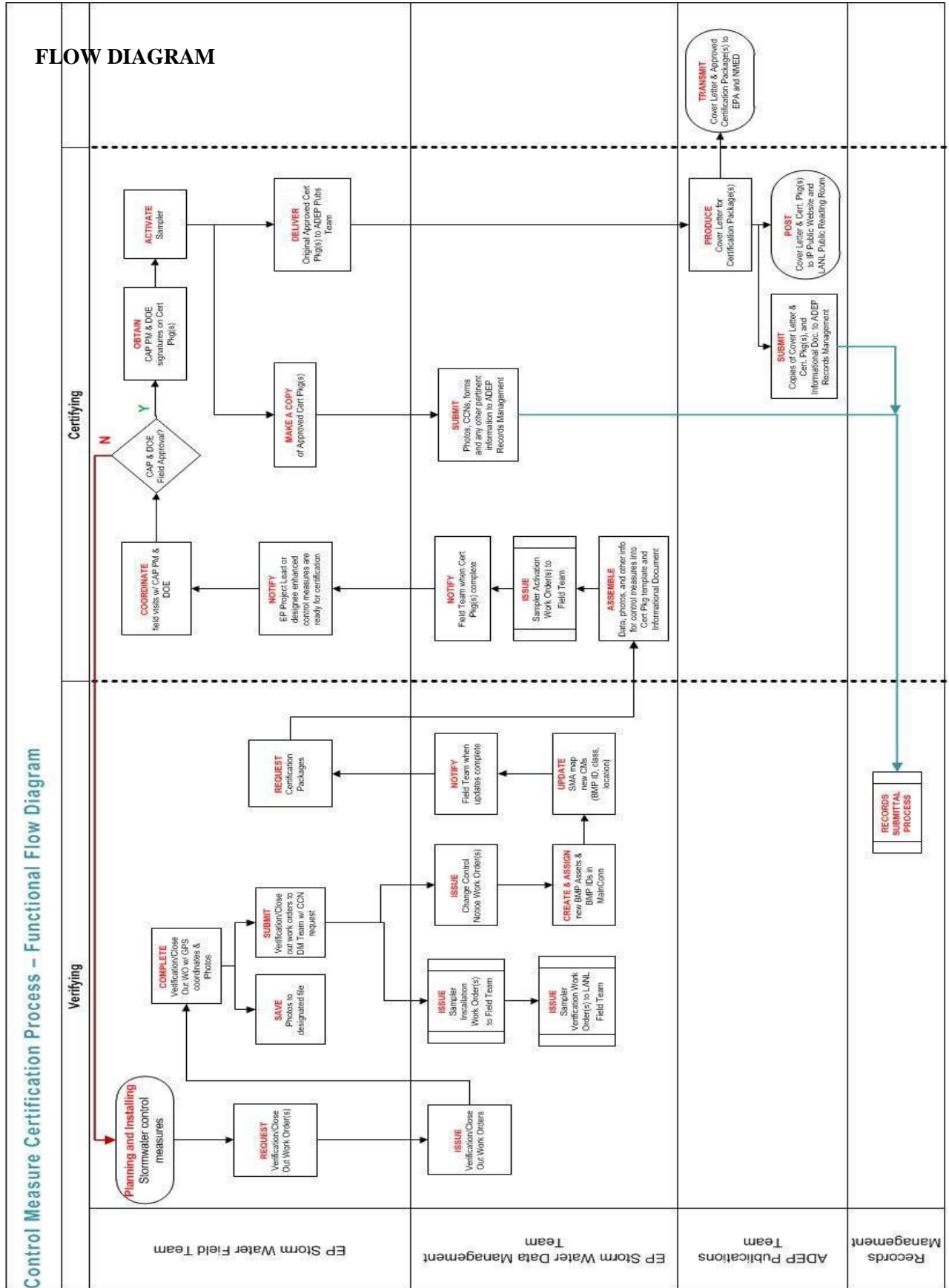
EP Project Lead or Designee

- [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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Reference

9. FLOW DIAGRAM



10. ATTACHMENTS

- IPC-1** | Attachment 1: Example Hard Copy Control Measure Verification:
20060-1
- Attachment 2: Example Certification Package
- Attachment 3: Example Information Document
- IPC-1** | Attachment 4: Example Electronic Copy Control Measure Verification: 20060-1

**Certifying Individual Permit Storm Water
Control Measures**

Document No.: EP-DIV-SOP-20060

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Reference

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

ATTACHMENT 1

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Hard Copy Example of Control Measure Verification

IPC-1

Los Alamos National Lab

Work Order BMP-53066

Ind Permit BMP Insp & Maint
Printed 5/3/2016 - 9:46 AM (Duplicate Copy)

Maintenance Details

Requested: 5/3/2016 9:43:00 AM Target: 5/1/2016
 Taken By: Smith, Shannon Priority/Type: / Inspection
 Procedure: Control Measure Verification Form (SOP-20060-1) Account: Northern Implementation Unit
 Last PM: 4/12/2016
 Project: Example Project (P-BMP-4886) Contact: Phone:
 Reason: SOP-20060-1 IPC 1 Control Measure Verification
 Special Instructions: Route 1, R002-13-0006-225-R1-R9



Tasks

#	Description	Rating	Meas.	Initials	Failed	N/A	Complete
Control Measure Review. Note "No Action Recommended" (NAR), or describe recommended action.							
20	2 Established Vegetation [R00202040008] Is control measure performing stated function(s)?			5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	3 Established Vegetation [R00202040008] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	4 Established Vegetation [R00202040008] Is control measure correctly located on Site Map?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	2 Rip Rap [R00204060006] Is control measure performing stated function(s)?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	3 Rip Rap [R00204060006] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	4 Rip Rap [R00204060006] Is control measure correctly located on Site Map?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	2 Rip Rap [R00204060007] Is control measure performing stated function(s)?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	3 Rip Rap [R00204060007] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100	4 Rip Rap [R00204060007] Is control measure correctly located on Site Map?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
110	2 Rip Rap [R00204060009] Is control measure performing stated function(s)?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
120	3 Rip Rap [R00204060009] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
130	4 Rip Rap [R00204060009] Is control measure correctly located on Site Map?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
140	2 Rip Rap [R00204060010] Is control measure performing stated function(s)?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
150	3 Rip Rap [R00204060010] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
160	4 Rip Rap [R00204060010] Is control measure correctly located on Site Map?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
170	2 Rock Check Dam [R00206010005] Is control measure performing stated function(s)?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
180	3 Rock Check Dam [R00206010005] Is control measure correctly installed and functioning properly?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
190					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

"No" "Yes"

Reference

ATTACHMENT 1

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Hard Copy Example of Control Measure Verification

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						"No"	"Yes"
4	Rock Check Dam [R00206010005] Is control measure correctly located on Site Map?					<input type="checkbox"/>	<input type="checkbox"/>
200	2 Gabions [R00207010002] Is control measure performing stated function(s)?					<input type="checkbox"/>	<input type="checkbox"/>
210	3 Gabions [R00207010002] Is control measure correctly installed and functioning properly?					<input type="checkbox"/>	<input type="checkbox"/>
220	4 Gabions [R00207010002] Is control measure correctly located on Site Map?					<input type="checkbox"/>	<input type="checkbox"/>
Site Map Review							
240	6 Have you changed the location of a BMP on the Site Map?					<input type="checkbox"/>	<input type="checkbox"/>
250	7 Have you amended the Site Map in any other way?					<input type="checkbox"/>	<input type="checkbox"/>
SMA/Site Review. Note "No Action Recommended" (NAR), or describe recommended action.							
278	8 Sampler moved to a new location?					<input type="checkbox"/>	<input type="checkbox"/>
280	9 Updates made to flow arrows?					<input type="checkbox"/>	<input type="checkbox"/>
290	10 Updates made to SMA boundary?					<input type="checkbox"/>	<input type="checkbox"/>
300	11 Were GPS coordinates of control measures taken?					<input type="checkbox"/>	<input type="checkbox"/>
310	12 Were GPS coordinates of new sampler location taken?					<input type="checkbox"/>	<input type="checkbox"/>

Documents

ID	Document Name	Type	Location
B. EM inspection signature	B. EM Inspection Signature	Signature page	15

Labor Report

~~Completed: _____ Failures: _____ Meter 1: _____ Meter 2: _____~~

Report:

5, 13, continuation of task comments.

Reference

ATTACHMENT 1

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Hard Copy Example of Control Measure Verification

IPC-1

WO ID: _____ 14 Page 14 of _____

Responded Date: _____ 1 Time: _____ Completed Date: _____ 15 Time: _____

Name/Z#: _____ 1 _____

Name/Z#: _____

Lead Signature: _____ 16 _____

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

LANL PERSONNEL USE ONLY (initials and dates)

Accepted _____ Tech QC _____ FTL _____

EXAMPLE

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

LA-UR-12-XXXXX

**Certifying Individual Permit Storm Water
Control Measures**

Document No.: EP-DIV-SOP-20060

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Reference

ATTACHMENT 2

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Example of Certification Package

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.

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. "

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

Date

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

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: 23489-3.JPG

E00201010013

Seed and Mulch - Seed and Wood Mulch

E00203010012

Berms - Earthen Berm

ATTACHMENT 2

Page 7 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)



Photo: 23499-1.JPG

E00203010011

Berms - Earthen Berm

ATTACHMENT 2

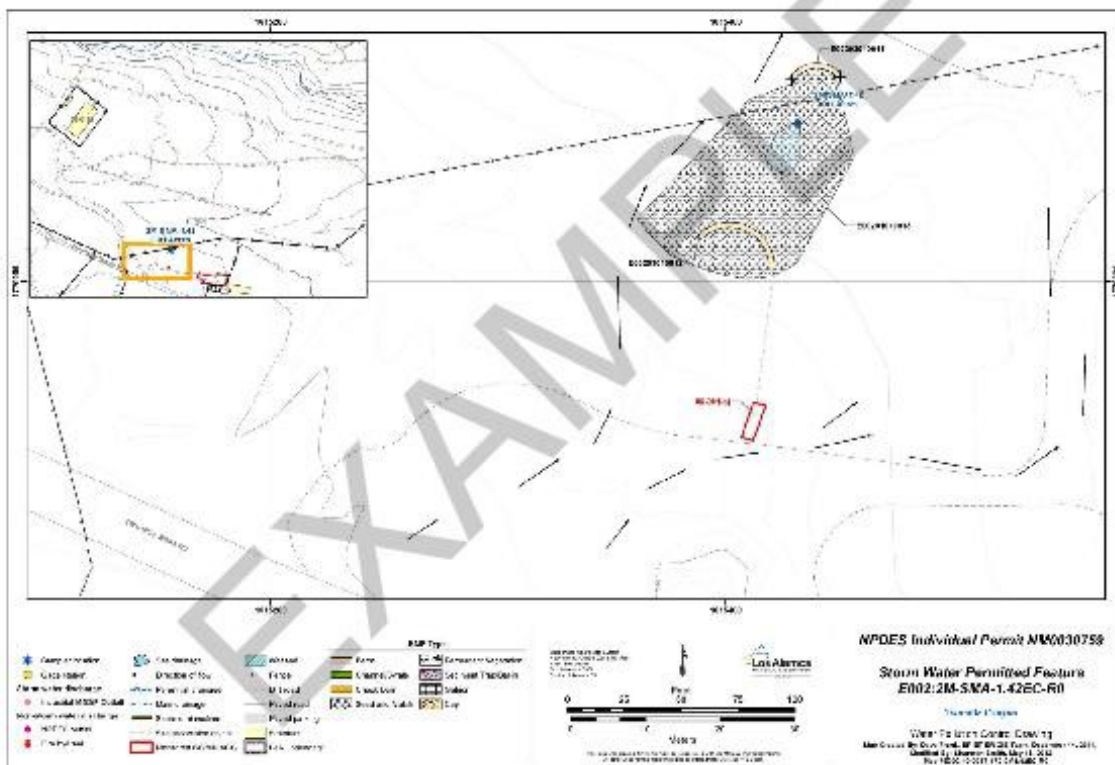
Page 8 of 8

Example of Certification Package

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

LA-UR-12-XXXXX

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 ^a	Run Off ^b	Run on ^c	Sed ^d	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:

PF: E002

2M-SMA-1.42

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:

PF: E002

2M-SMA-1.42

Site(s): 06-001(a)

Photos:



Photo: 23499-1.JPG

E00203010011 Berns - 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:
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

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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: 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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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)

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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Example of Information Document

NPDES PERMIT NO. NM0030759

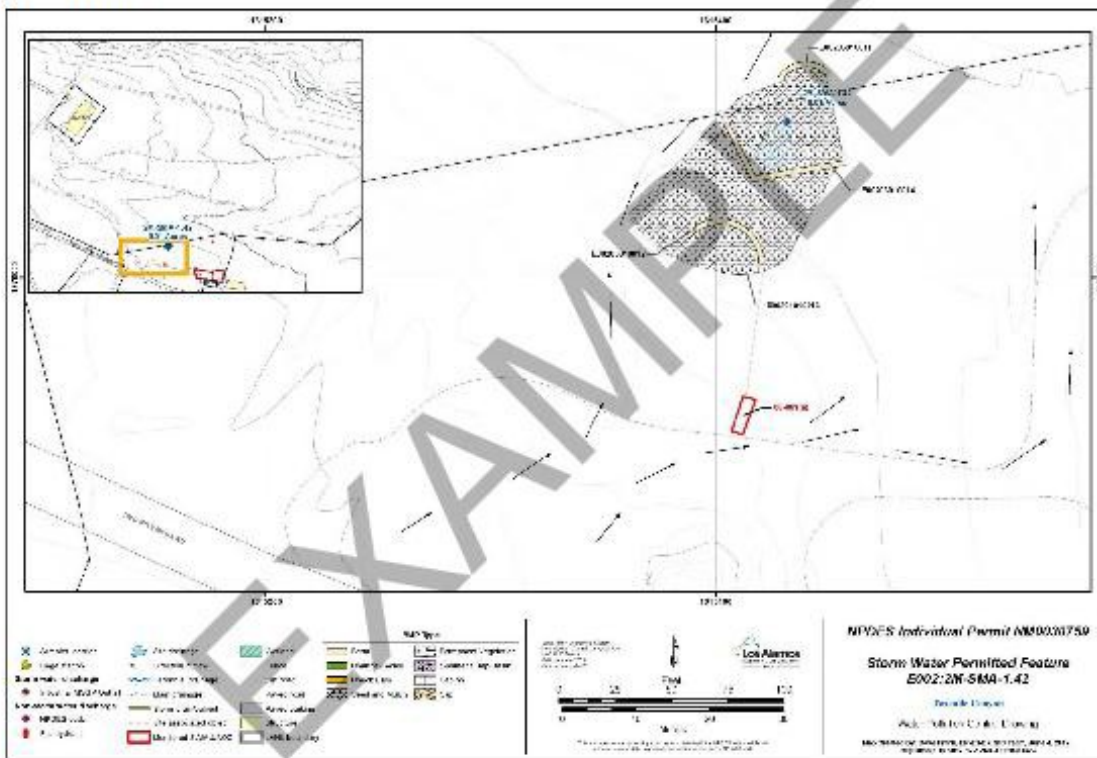
LA-UR-12-XXXXX

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

PF: E002

Site(s): 06-001(a)

Map of Active Controls:



ATTACHMENT 4

Page 1 of 3

Electronic Copy of Control Measure Verification

IPC-1

Priority: 2

Labor

Parts

Other Costs

Close

Status: 1 Issued

Responded: Click to enter a date...

Completed: Click to enter a date...

Quick Report: Quick Labor Report

Labor Report: Enter a labor report...

Signature

Signatures 2

← Back BMP-53066 Task:20 11:22

20: Is control measure performed Example for 2-4, 6-12

hours:

Rating:

Initial reading:

Final reading:

Initials:

Complete ← Select either → Failed

Comments: Enter task comments here

Asset: R00202040008 (Established Vegetation)

If the task is linked to a specific asset the ID will display here. Confirm you are answering for the right asset.

↑ Previous Task Next Task ↓

ATTACHMENT 4

Page 2 of 3

Electronic Copy of Control Measure Verification

IPC-1

Labor

Parts

Other Costs

Close

Status: Responded

Responded: May 3, 2016 11:21 AM

Completed:

Quick Report:

Labor Report:

Signature

Signatures

Cancel

Signature

5:18

Save

Undo (425)

Redo (0)

Comments:

Sign here:

Jane Doe

ATTACHMENT 4

Page 3 of 3

Electronic Copy of Control Measure Verification

IPC-1

The screenshot displays a web application interface for work orders. At the top, a blue header bar contains a 'Menu' button (circled in red), the text 'My WO's (3)', and a clock showing '5:20'. A dropdown menu is open from the 'Menu' button, listing various system functions: Work Orders, System Configuration, Sync, Sync Messages, About, Connect, Disconnect, Release, and Logout. Below the menu, a table lists three work orders. Each entry includes a unique ID, status, procedure, and target/assigned dates with a priority level. The third entry, SMPLR-53066, is highlighted in light blue. An 'EXPRESS LE' logo is visible at the bottom of the menu.

Work Order ID	Status	Procedure	Target	Assigned	Priority
MSGP-52206	Issued	CAR MCexpress exar Procedure: EPC-CP	May 05 2016	Mar 22 2016	2
MSGP-52929	Issued	TA-3-38 Routine Faci Procedure: EPC-CP	May 05 2016	Mar 08 2016	2
SMPLR-53066	Responded	SOP-10008-3 IPC (E Procedure: EP-DIV-S	May 27 2016	Apr 06 2016	2