

### **DEPARTMENT OF ENERGY**

Environmental Management Los Alamos Field Office (EM-LA) Los Alamos, New Mexico 87544

Mr. John E. Kieling Bureau Chief Hazardous Waste Bureau New Mexico Environment Department 2905 Rodeo Park Drive East, Building 1 Santa Fe, NM 87505-6303



MAR 0 1 2019

Dear Mr. Kieling:

Subject:

Response to Comments on the Biennial Inspection and Maintenance Report on

Erosion Controls Associated with Solid Waste Management Unit 16-003(o)

within Fishladder Canyon

This letter is being submitted in response to the New Mexico Environment Department's (NMED's) letter dated February 4, 2019, "Review and Comments, Biennial Inspection and Maintenance Report on Erosion Controls Associated with Solid Waste Management Unit 16-003(o) within Fishladder Canyon" (HWB-LANL-18-066). NMED provided two comments on the "Biennial Inspection and Maintenance Report on Erosion Controls Associated with Solid Waste Management Unit 16-003(o) within Fishladder Canyon" submitted by the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA) and Newport News Nuclear BWXT – Los Alamos, LLC (N3B) on December 17, 2018.

NMED's first comment states "The DOE provided the documentation of November 29, 2018 inspection with photos but did not provide any documentation for the 2017 inspection in the Report. The DOE is required to perform annual inspections and provide documentation (e.g., photos) of each annual inspection in a biennial report (see NMED Review Letter dated January 5, 2017). The DOE must either provide documentation of the 2017 inspections or provide justification for not documenting the 2017 inspections."

In response to the comment, documentation of inspections performed in 2017 at Solid Waste Management Unit (SWMU) 16-003(o) is included as Enclosure 1. Photographs were not taken in 2017 because the erosion controls remained stable, as noted in the enclosed inspection records.

NMED's second comment states, "In the photos taken on November 29, 2018, the controls are not visible in Figures 5 and 6 due to snow accumulation. NMED recommend that future visual inspections documenting the status of erosional controls be performed under conditions where the view of controls is not obstructed by snow."

Because of the persistence of snow at the site, DOE is unable to update Figures 5 and 6 at this time but will implement NMED's recommendation of conducting future visual inspections when the view of controls is not obstructed by snow. Additionally, DOE will attempt to ensure

photographs for each inspection year are included in future biennial inspection and maintenance reports on erosion controls associated with SWMU 16-003(o) within Fishladder Canyon.

If you have any questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@emla.doe.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@em.doe.gov).

Sincerely,

Arturo Q. Duran

Compliance and Permitting Manager

SPLLS

Environmental Management

Los Alamos Field Office

#### Enclosures:

1. 2017 Control Measure Inspections for the Biennial Inspection and Maintenance Report on Erosion Controls Associated with Solid Waste Management Unit 16-003(o) within Fishladder Canyon (EM2019-0051)

### cc (letter and enclosure[s] emailed):

- L. King, EPA Region 6, Dallas, TX
- R. Martinez, San Ildefonso Pueblo, NM
- D. Chavarria, Santa Clara Pueblo, NM
- S. Yanicak, NMED
- D. Carlson, N3B
- E. Evered, N3B
- J. Legare, N3B
- F. Lockhart, N3B
- G. Morgan, N3B
- B. Robinson, N3B
- S. Veenis, N3B
- D. Nickless, EM-LA
- D. Rhodes, EM-LA
- C. Rodriguez, EM-LA

emla.docs@em.doe.gov

N3B Records

Public Reading Room (EPRR)

PRS Website

EM-LA-40AD-00401

# **ENCLOSURE 1**

2017 Control Measure Inspections for the Biennial Inspection and Maintenance Report on Erosion Controls Associated with Solid Waste Management Unit 16-003(o) within Fishladder Canyon

# Los Alamos National Lab

### Work Order BMP-62402

Ind Permit BMP Insp & Maint Printed 7/5/2017 - 10:46 AM (Duplicate Copy)

#### **Maintenance Details**

**Requested:** 6/7/2017 10:24:00 AM Target: 6/20/2017

**Procedure:** Storm Water Control Priority/Type: Normal / Inspection

Measures Inspection Form

(EP-DIV-SOP-20012-1 IPC3)

Last PM: 9/19/2016

**Project:** IP Rain Event on June 6,

2017 at RG257 (P-BMP-

5600)

Reason: IP Rain Event on June 6, 2017 at RG257

Special Instructions: Route 4, V007-13-0006-58-CDV2.3-R18.

♣ RG257 **W** V007

🗎 IP

CDV-SMA-2.3

Contact: Phone:

#	Description	Meas.	No	Yes
	·	modor	140	100
Projec 20	t Map Review, If Yes, submit altered Project Map.  Have you changed the location of a BMP on the Project Map?		· <b>W</b>	-
30	Have you ammended the Project Map in any other way?		·×	E
Contr	ol Measure Review. Describe recommended action in task comment line as appropriate.			
50	Established Vegetation [V00702040021] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.		П.	
50	Established Vegetation [V00702040021] Is maintenance, modification, repair, or		38	
	replacement recommended or conducted at inspection? If yes, identify maintenance type			
60	(repair, replacement, or modification) and describe the maintenance recommendation.		×	
70	Earthen Berm [V00703010027] Is BMP Operating effectively on arrival? If no, describe existing		_	-
70	or installed backup control.		-4	
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30	replacement, or modification) and describe the maintenance recommendation.		×	
	Straw Wattle [V00703060028] Is BMP Operating effectively on arrival? If no, describe existing			
90	or installed backup control.			V
	Straw Wattle [V00703060028] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair,			
100	replacement, or modification) and describe the maintenance recommendation.		×	
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110	or installed backup control.			V
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140	replacement, or modification) and describe the maintenance recommendation.		X	
150	<b>Rock Berm [V00703120026]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			
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	recommended or conducted at inspection? If yes, identify maintenance type (repair,			_
160	replacement, or modification) and describe the maintenance recommendation.		×	
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170	Rock Check Dam [V00706010019] Is maintenance, modification, repair, or replacement		1.00	
	recommended or conducted at inspection? If yes, identify maintenance type (repair,			
180	replacement, or modification) and describe the maintenance recommendation.		02 1 of 4	

190	<b>Rock Check Dam [V00706010020]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.	oe			
200	Rock Check Dam [V00706010020] Is maintenance, modification, repair, or replacemer recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.	nt		×	П
210	Rock Check Dam [V00706010024] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.	ре		_	r/
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30	Rock Check Dam [V00706010025] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.	oe			~
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50	Gabions [V00707010002] Is BMP Operating effectively on arrival? If no, describe existing installed backup control.	g or			
60	Gabions [V00707010002] Is maintenance, modification, repair, or replacement recomm or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.	nended		×	
MA C	ontrols. Describe recommended action in task line as appropriate  Is there evidence of floatable waste, floatable garbage, or floatable debris within the SMA could be discharged to receiving waters?	that		×	
90	Is there evidence of dust generation or evidence of off-site vehicle tracking of raw, final, of materials or sediments?	r waste		×	
00	Is there evidence of the introduction of raw, final, or waste material to the SMA?			×	
10	Has there been a significant increase in erosion potential at the SMA since the last inspec	ction?		×	
20	Firing Site [13-001:CDV-SMA-2_3] Has there been an increase in erosion potential at the since the last inspection?	e Site		×	
30	Landfill [13-002:CDV-SMA-2_3] Has there been an increase in erosion potential at the S since the last inspection?	ite		×	
40	Sump [16-003(N)] Has there been an increase in erosion potential at the Site since the la inspection?	st		×	
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60	Outfalls from Former Building 16-478 [16-029(H):CDV-SMA-2_3] Has there been an in in erosion potential at the Site since the last inspection?	crease		×	
70	Outfall from Former Building 16-478 [16-031(H)] Has there been an increase in erosion potential at the Site since the last inspection?	1		×	
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Report: No Action Recommended

# Images

EM2019-0051 BMP-62402 2 of 4



EM2019-0051 BMP-62402 3 of 4

"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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

Name of Delegated	d Official of Permittees: <u>Steve Veenis</u>	Z#: <u>109949</u>
· ·	Delegated Official Signature: Signature on File	_

EM2019-0051 BMP-62402 4 of 4

# Los Alamos National Lab

#### Work Order BMP-62913

Ind Permit BMP Insp & Maint Printed 7/24/2017 - 3:23 PM (Duplicate Copy)

#### **Maintenance Details**

**Requested:** 6/26/2017 1:46:00 PM **Target:** 7/9/2017

Procedure: Storm Water Control

Measures Inspection Form

(EP-DIV-SOP-20012-1 IPC3)

**Last PM:** 6/20/2017

180

EM2019-0051

**Project:** IP Rain Event on June 25,

2017 at RG257 (P-BMP-

5650)

Reason: IP Rain Event on June 25, 2017 at RG257

Special Instructions: Route 4, V007-13-0006-58-CDV2.3-R18.

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🗎 IP ቭ RG257

**W** V007

Contact:

Phone:

CDV-SMA-2.3

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#	Description	Meas.	No	Yes
Projec	t Map Review, If Yes, submit altered Project Map.			
20	Have you changed the location of a BMP on the Project Map?		×	
30	Have you ammended the Project Map in any other way?		×	
<b>Contro</b> 50	DI Measure Review. Describe recommended action in task comment line as appropriate.  Established Vegetation [V00702040021] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.		П	V
60	<b>Established Vegetation [V00702040021]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
70	<b>Earthen Berm [V00703010027]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
80	<b>Earthen Berm [V00703010027]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
90	<b>Straw Wattle [V00703060028]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			<b>V</b>
100	<b>Straw Wattle [V00703060028]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	П
110	Straw Wattle [V00703060030] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			<b>V</b>
120	Straw Wattle [V00703060030] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
130	<b>Straw Wattle [V00703060031]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
140	Straw Wattle [V00703060031] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		X	П
150	<b>Rock Berm [V00703120026]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
160	<b>Rock Berm [V00703120026]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
170	<b>Rock Check Dam [V00706010019]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			<b>V</b>
	Rock Check Dam [V00706010019] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair,			

replacement, or modification) and describe the maintenance recommendation.

Priority/Type: Normal / Inspection

190	Rock Check Dam [V00706010020] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.				V
200	Rock Check Dam [V00706010020] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			×	П.
210	Rock Check Dam [V00706010024] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.				
220	Rock Check Dam [V00706010024] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			×	
230	Rock Check Dam [V00706010025] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.				
240	Rock Check Dam [V00706010025] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			×	
250	<b>Gabions [V00707010002]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.				
260	<b>Gabions [V00707010002]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			×	
<b>SMA C</b> 280	In the could be discharged to receiving waters?			×	
290	Is there evidence of dust generation or evidence of off-site vehicle tracking of raw, final, or waste materials or sediments?			×	
300	Is there evidence of the introduction of raw, final, or waste material to the SMA?			×	
310	Has there been a significant increase in erosion potential at the SMA since the last inspection?			×	
320	Firing Site [13-001:CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?			×	
330	<b>Landfill</b> [13-002:CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?			×	
340	Sump [16-003(N)] Has there been an increase in erosion potential at the Site since the last inspection?			×	
350	Sump- fish ladder [16-003(O):CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?			×	
360	Outfalls from Former Building 16-478 [16-029(H):CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?			×	
370	Outfall from Former Building 16-478 [16-031(H)] Has there been an increase in erosion potential at the Site since the last inspection?			×	
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Report: No Action Recommended

# Images

EM2019-0051 BMP-62913 2 of 4

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EM2019-0051 BMP-62913 3 of 4

"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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

Name of Delegated	d Official of Permittees: <u>Steve Veenis</u>	Z#: <u>109949</u>
· ·	Delegated Official Signature: Signature on File	_

EM2019-0051 BMP-62913 4 of 4

#### Work Order BMP-63425

Ind Permit BMP Insp & Maint Printed 8/1/2017 - 10:22 AM (Duplicate Copy)

#### **Maintenance Details**

**Requested:** 7/13/2017 12:08:00 PM **Target:** 7/26/2017

Procedure: Storm Water Control Priority/Type: Normal / Inspection

Measures Inspection Form

(EP-DIV-SOP-20012-1 IPC3)

**Last PM:** 7/3/2017

Project: IP Rain Event on July 12,

2017 at RG257 (P-BMP-

5697)

Reason: IP Rain Event on July 12, 2017 at RG257

Special Instructions: Route 4, V007-13-0006-58-CDV2.3-R18.

RG257
V007
CDV-SMA-2,3

🗎 IP

Contact:

Phone:

**Tasks** # **Description** Meas. Yes No Project Map Review, If Yes, submit altered Project Map. Have you changed the location of a BMP on the Project Map? 30 Have you ammended the Project Map in any other way? Control Measure Review. Describe recommended action in task comment line as appropriate. Established Vegetation IV007020400211 Is BMP Operating effectively on arrival? If no. describe existing or installed backup control. 50 Established Vegetation [V00702040021] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation. 60 Earthen Berm [V00703010027] Is BMP Operating effectively on arrival? If no, describe existing 70 or installed backup control. Earthen Berm [V00703010027] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, 80 replacement, or modification) and describe the maintenance recommendation. Straw Wattle [V00703060028] Is BMP Operating effectively on arrival? If no, describe existing 90 or installed backup control. Straw Wattle [V00703060028] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, 100 replacement, or modification) and describe the maintenance recommendation. Straw Wattle [V00703060030] Is BMP Operating effectively on arrival? If no, describe existing 110 or installed backup control. Straw Wattle [V00703060030] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, **X** 120 replacement, or modification) and describe the maintenance recommendation. Straw Wattle [V00703060031] Is BMP Operating effectively on arrival? If no, describe existing 130 or installed backup control. Straw Wattle IV007030600311 Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, 140 replacement, or modification) and describe the maintenance recommendation. Rock Berm [V00703120026] Is BMP Operating effectively on arrival? If no, describe existing or 150 installed backup control. Rock Berm [V00703120026] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, 160 replacement, or modification) and describe the maintenance recommendation. Rock Check Dam [V00706010019] Is BMP Operating effectively on arrival? If no, describe 170 existing or installed backup control. Rock Check Dam [V00706010019] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation. 180 EM2019-0051

	existing or installed backup control.  Rock Check Dam [V00706010020] Is maintenance, modification, repair, or replacement			
200	recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
10	Rock Check Dam [V00706010024] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
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50	<b>Gabions [V00707010002]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
60	<b>Gabions [V00707010002]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
<b>MA C</b> o	Is there evidence of floatable waste, floatable garbage, or floatable debris within the SMA that could be discharged to receiving waters?		[ <b>X</b>	
90	Is there evidence of dust generation or evidence of off-site vehicle tracking of raw, final, or waste materials or sediments?		×	
00	Is there evidence of the introduction of raw, final, or waste material to the SMA?		×	
10	Has there been a significant increase in erosion potential at the SMA since the last inspection?		×	
20	Firing Site [13-001:CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?		×	
30	Landfill [13-002:CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?		×	П
40	Sump [16-003(N)] Has there been an increase in erosion potential at the Site since the last inspection?		<b>[X</b>	
50	Sump- fish ladder [16-003(O):CDV-SMA-2_3] Has there been an increase in erosion potential at the Site since the last inspection?		×	П
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Completed: 1:40:00 PM

Report: No Action Recommended

# Images

EM2019-0051 BMP-63425 2 of 4 Jullan Plans

EM2019-0051 BMP-63425 3 of 4

"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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

Name of Delegated	d Official of Permittees: <u>Steve Veenis</u>	Z#: <u>109949</u>
· ·	Delegated Official Signature: Signature on File	_

EM2019-0051 BMP-63425 4 of 4

# Los Alamos National Lab

### Work Order BMP-64157

Ind Permit BMP Insp & Maint Printed 8/16/2017 - 12:40 PM

#### **Maintenance Details**

**Requested:** 7/31/2017 11:39:10 AM Target: 8/12/2017

**Procedure:** Storm Water Control Priority/Type: Normal / Inspection

Measures Inspection Form

(EP-DIV-SOP-20012-1 IPC3)

Last PM: 7/24/2017

**Project:** IP Rain Event on July 29,

2017 at RG257 (P-BMP-

5768)

Reason: IP Rain Event on July 29, 2017 at RG257

Special Instructions: Route 4, V007-13-0006-58-CDV2.3-R18.

₽ RG257 🐝 V007

**Contact:** 

Phone:

🗎 IP

CDV-SMA-2.3

asks				
#	Description	Meas.	No	Yes
Proje	ct Map Review, If Yes, submit altered Project Map.			
20	Have you changed the location of a BMP on the Project Map?		×	
30	Have you ammended the Project Map in any other way?		×	
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160	Rock Berm [V00703120026] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
170	<b>Rock Check Dam [V00706010019]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			V
180	Rock Check Dam [V00706010019] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.  EM2019-0051	BMP-641	57 1 of	

190	<b>Rock Check Dam [V00706010020]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.				1
	Rock Check Dam [V00706010020] Is maintenance, modification, repair, or replacement				
200	recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			*	
200	Rock Check Dam [V00706010024] Is BMP Operating effectively on arrival? If no, describe			6	<b>P</b>
210	existing or installed backup control.				1
	Rock Check Dam [V00706010024] Is maintenance, modification, repair, or replacement				
	recommended or conducted at inspection? If yes, identify maintenance type (repair,				_
220	replacement, or modification) and describe the maintenance recommendation.			X	<b>F</b>
230	<b>Rock Check Dam [V00706010025]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			-	1
230	Rock Check Dam [V00706010025] Is maintenance, modification, repair, or replacement			28	
	recommended or conducted at inspection? If yes, identify maintenance type (repair,				
240	replacement, or modification) and describe the maintenance recommendation.			×	
	Gabions [V00707010002] Is BMP Operating effectively on arrival? If no, describe existing or				
250	installed backup control.				1
	Gabions [V00707010002] Is maintenance, modification, repair, or replacement recommended				
260	or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.			×	100
	modification) and describe the maintenance recommendation.			***	.38
SMA C	ontrols. Describe recommended action in task line as appropriate				
200	Is there evidence of floatable waste, floatable garbage, or floatable debris within the SMA that			•	_
280	could be discharged to receiving waters?			×	188
290	Is there evidence of dust generation or evidence of off-site vehicle tracking of raw, final, or waste materials or sediments?			136	100
300	Is there evidence of the introduction of raw, final, or waste material to the SMA?			×	Dist.
310	Has there been a significant increase in erosion potential at the SMA since the last inspection?			r.W	
510				-	- 3
320	<b>Firing Site [13-001:CDV-SMA-2_3]</b> Has there been an increase in erosion potential at the Site since the last inspection?			×	100
	Landfill [13-002:CDV-SMA-2_3] Has there been an increase in erosion potential at the Site				
330	since the last inspection?			×	
	Sump [16-003(N)] Has there been an increase in erosion potential at the Site since the last				
340	inspection?			×	
	Sump- fish ladder [16-003(O):CDV-SMA-2_3] Has there been an increase in erosion potential				
350	at the Site since the last inspection?			1	
260	Outfalls from Former Building 16-478 [16-029(H):CDV-SMA-2_3] Has there been an increase			•	
360	in erosion potential at the Site since the last inspection?  Outfall from Former Building 16-478 [16-031(H)] Has there been an increase in erosion			0	
370	potential at the Site since the last inspection?			×	88
				19.00	Loss
abor –					
Labor	Work Date Reg H	rs O	T Hre	Otl	her Hi
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_abor F	Report —			_	

**Completed:** <u>11:15:26 AM</u>

Report: No Action Recommended

Images

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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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

Name of Delegate	d Official of Permittees: <u>Steve Veenis</u>	Z#: <u>109949</u>
Date: <u>Date on file</u>	Delegated Official Signature: Signature on File	

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#### Work Order BMP-66231

Ind Permit BMP Insp & Maint Printed 11/2/2017 - 12:40 PM (Duplicate Copy)

#### **Maintenance Details**

Requested: 10/5/2017 9:30:00 AM Target: 10/18/2017

Procedure: Storm Water Control Priority/Type: Normal / Inspection

Measures Inspection Form

(EP-DIV-SOP-20012-1

IPC3)

**Last PM:** 8/9/2017

Project: IP Rain Event on October

4, 2017 (P-BMP-5813)

Reason: IP Rain Event on October 4, 2017

Special Instructions: Route 4, V007-13-0006-58-CDV2.3-R18.

□ IP
♣ RG257
♣ V007

CDV-SMA-2.3

Contact: Phone:

Tasks				
#	Description	Meas.	No	Yes
Projec	ct Map Review, If Yes, submit altered Project Map.			
20	Have you changed the location of a BMP on the Project Map?		×	
30	Have you ammended the Project Map in any other way?		×	
Contro	ol Measure Review. Describe recommended action in task comment line as appropriate.  Established Vegetation [V00702040021] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.		П	e.
60	Established Vegetation [V00702040021] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
70	<b>Earthen Berm [V00703010027]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			~
80	<b>Earthen Berm [V00703010027]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
90	Straw Wattle [V00703060028] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			<b>/</b>
100	<b>Straw Wattle [V00703060028]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
110	<b>Straw Wattle [V00703060030]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			
120	<b>Straw Wattle [V00703060030]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
130	<b>Straw Wattle [V00703060031]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			~
140	<b>Straw Wattle [V00703060031]</b> Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
150	<b>Rock Berm [V00703120026]</b> Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			
160	Rock Berm [V00703120026] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.		×	
170	Rock Check Dam [V00706010019] Is BMP Operating effectively on arrival? If no, describe existing or installed backup control.			1
400			-	

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	Rock Check Dam [V00706010019] Is maintenance, modification, recommended or conducted at inspection? If yes, identify maintenance					
	replacement, or modification) and describe the maintenance recom					
90	<b>Rock Check Dam [V00706010020]</b> Is BMP Operating effectively on describe existing or installed backup control.	arrival? If no,				<b>V</b>
00	Rock Check Dam [V00706010020] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.					
10	•	Rock Check Dam [V00706010024] Is BMP Operating effectively on arrival? If no,				<b>1</b>
20	Rock Check Dam [V00706010024] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair,					
30	cock Check Dam [V00706010025] Is BMP Operating effectively on arrival? If no, escribe existing or installed backup control.				<b>X</b>	~
40	Rock Check Dam [V00706010025] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.					
:50	<b>Gabions [V00707010002]</b> Is BMP Operating effectively on arrival? If or installed backup control.	no, describe	existing			V
60	recommended or conducted at inspection? If yes, identify maintena	Gabions [V00707010002] Is maintenance, modification, repair, or replacement recommended or conducted at inspection? If yes, identify maintenance type (repair, replacement, or modification) and describe the maintenance recommendation.				
<b>MA C</b>	ontrols. Describe recommended action in task line as appropriate Is there evidence of floatable waste, floatable garbage, or floatable de that could be discharged to receiving waters?		e SMA		×	
90	Is there evidence of dust generation or evidence of off-site vehicle trawaste materials or sediments?	icking of raw,	final, or		×	
00	s there evidence of the introduction of raw, final, or waste material to the SMA?				×	
10	Has there been a significant increase in erosion potential at the SMA since the last inspection?				×	
20	Firing Site [13-001:CDV-SMA-2_3] Has there been an increase in erosion potential at the				×	
30	Landfill [13-002:CDV-SMA-2_3] Has there been an increase in eros Site since the last inspection?	Landfill [13-002:CDV-SMA-2_3] Has there been an increase in erosion potential at the				
40	Sump [16-003(N)] Has there been an increase in erosion potential at the Site since the last inspection?				×	
50	Sump- fish ladder [16-003(O):CDV-SMA-2_3] Has there been an in potential at the Site since the last inspection?	Sump- fish ladder [16-003(O):CDV-SMA-2_3] Has there been an increase in erosion				
60	Outfalls from Former Building 16-478 [16-029(H):CDV-SMA-2_3] increase in erosion potential at the Site since the last inspection?	Has there bee	n an 		×	
70	Outfall from Former Building 16-478 [16-031(H)] Has there been a potential at the Site since the last inspection?	n increase in e	erosion		×	
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Jullon Mins

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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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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 that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

Name of Delegate	d Official of Permittees: <u>Steve Veenis</u>	_Z#: <u>109949</u>
Date:Date on file	Delegated Official Signature: Signature on File	

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