



DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT BLISS
1741 MARSHALL ROAD
FORT BLISS, TEXAS 79916

DEC 19 '16

DEC 15 2016

Directorate of Public Works

Mr. David Cobrain
Project Leader
New Mexico Environmental Department-HWB
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Dear Mr. Cobrain:

On June 1, 2016 and October 14, 2016, the Fort Bliss Directorate of Public Works, Environmental Division (DPW-ED) conducted biannual post-closure site inspections of the Dona Ana Range Camp Rubble Landfill, Solid Waste Management Unit (SWMU) 27/FTBL-012. The inspections were conducted before and after the wet summer season respectively, in accordance with the requirements stated in the New Mexico Environmental Department (NMED) Hazardous Waste Bureau letter, dated October 30, 2007.

The NMED correspondence indicated that site inspections be conducted at least twice per year before and after the wet summer season, and after major rainfall events that produce more than one inch of rain. The site inspections included observations of the landfill cover and side slopes, water drainage system and vegetative cover.

During the inspection conducted in the pre-wet season on June 1, 2016, the landfill cover and side slopes showed no signs of erosion and the vegetative layer and warning signs were found to be in good condition (Enclosure 1). However, a section of the perimeter fence and the drainage system, both located on the Southside of the site, were damaged. The repairs were conducted on July 1, 2016 (Enclosure 1).

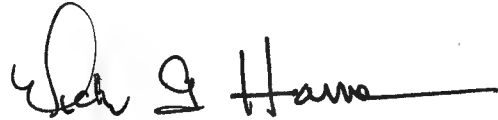
During the post-wet season inspection on October 14, 2016, the landfill cover and side slopes showed no signs of erosion, and the water drainage system, vegetative layer, perimeter fence and warning signs were found to be in good condition (Enclosure 2).

On August 19, 2016 and August 29, 2016, the Fort Bliss DPW-ED conducted additional post-closure site inspections following two major rain events. The rain events produced more than one inch of precipitation in El Paso, Texas on August 13, 2016 (1.01 inches) and August 21, 2016 (1.53 inches), according to the El Paso International Airport weather data. During the major rain event inspections, the landfill cover and

side slopes showed no signs of erosion and the water drainage system, vegetative layer, perimeter fence and warning signs were found to be in good condition (Enclosures 3 and 4).

If you have any questions concerning this report, please contact Mr. Ronald Baca, Environmental Division, Directorate of Public Works, at (915) 568-7979 or ronald.h.baca.civ@mail.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "Vicki G. Hamilton", with a long horizontal line extending to the right.

Vicki G. Hamilton, R.A.
Chief, Environmental Division
Directorate of Public Works

Enclosures

Enclosure 1:
Pre-wet Season Inspection

Dona Ana Range Camp Rubble Landfill - Pre-wet season Inspection

SWMU-27/FTBL-012

Unit: IMBL- PWE

Inspector: Victor Garcia

Facility ID: SWMU-27/FTBL-12

Telephone Number: (915) 568-5205

Facility Name: Dona Ana Range Camp Rubble Landfill

Email: victor.h.garcia22.ctr@mail.mil

Inspection Date: June 1, 2016

List of Observations:

1. The landfill cover was uniform and in good condition. There was no evidence of erosion or depressions on the cap's surface and on the side slopes.
2. The vegetative layer was in good condition on the landfill cap and areas in the immediate vicinity within the fenced property.
3. A section of fence and the drainage structure, both on the South end of the site, were repaired.

Inspection photographs

Photograph No. 1

View of landfill cap facing North.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



**Dona Ana Range Camp Rubble Landfill - Pre-wet season Inspection
SWMU-27/FTBL-012**

Photograph No.2

View of landfill cap facing East.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



Photograph No. 3

View of landfill cap facing South.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



**Dona Ana Range Camp Rubble Landfill - Pre-wet season Inspection
SWMU-27/FTBL-012**

Photograph No. 4

View of landfill cap facing West.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



Photograph No. 5

View of arroyo facing South.

No sign of significant erosion caused by water runoff on arroyo.



**Dona Ana Range Camp Rubble Landfill - Pre-wet season Inspection
SWMU-27/FTBL-012**

Photograph No. 6

View of swale facing North.

No sign of significant erosion or surface depression caused by water runoff on drainage swale.



Photograph No. 7

View of Southern perimeter fence damage.



**Dona Ana Range Camp Rubble Landfill - Pre-wet season Inspection
SWMU-27/FTBL-012**

Photograph No. 8

View of South end drainage structure damage caused by water runoff.



Photograph No. 9

Southern perimeter fence and South end drainage structure repaired on July 1, 2016.



Enclosure 2:
Post-wet Season Inspection

Dona Ana Range Camp Rubble Landfill - Post-wet season Inspection

SWMU-27/FTBL-012

Unit: IMBL- PWE

Inspector: Victor Garcia

Facility ID: SWMU-27/FTBL-12

Telephone Number: (915) 568-5205

Facility Name: Dona Ana Range Camp Rubble Landfill

Email: victor.h.garcia22.ctr@mail.mil

Inspection Date: October 14, 2016

List of Observations:

1. The landfill cover was uniform and in good condition. There was no evidence of erosion or depressions on the cap's surface and on the side slopes.
2. The vegetative layer was in good condition on the landfill cap and areas in the immediate vicinity within the fenced property.
3. The site perimeter fence and warning signs remained in good condition. There were no locations that required maintenance or repairs.

Inspection photographs

Photograph No. 1

View of landfill cap facing North.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



**Dona Ana Range Camp Rubble Landfill - Post-wet season Inspection
SWMU-27/FTBL-012**

Photograph No.2

View of landfill cap facing East.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



Photograph No. 3

View of landfill cap facing South.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



**Dona Ana Range Camp Rubble Landfill - Post-wet season Inspection
SWMU-27/FTBL-012**

Photograph No. 4

View of landfill cap facing West.

No signs of erosion or surface depression on landfill cap. Vegetation on landfill cap in good condition.



Photograph No. 5

View of arroyo facing South.

No sign of significant erosion caused by water runoff on arroyo.



Dona Ana Range Camp Rubble Landfill - Post-wet season Inspection SWMU-27/FTBL-012

Photograph No. 6

View of swale facing North.

No sign of significant erosion or surface depression caused by water runoff on drainage swale.



Photograph No. 7

View of southern fence facing East.

Perimeter fence and warning signs remain in good condition.



Dona Ana Range Camp Rubble Landfill – August 13, 2016 Rain Event Inspection - SWMU-27/FTBL-012

Unit: IMBL- PWE

Inspector: Victor Garcia

Facility ID: SWMU-27/FTBL-12

Telephone Number: (915) 568-5205

Facility Name: Dona Ana Range Camp Rubble Landfill

Email: victor.h.garcia22.ctr@mail.mil

Inspection Date: August 19, 2016

List of Observations:

1. The landfill cover was uniform and in good condition. There was no evidence of erosion or depressions on the cap's surface and on the side slopes.
2. The vegetative layer was in good condition on the landfill cap and areas in the immediate vicinity within the fenced property.
3. The site perimeter fence and warning signs remained in good condition. There were no locations that required maintenance or repairs.

Inspection photographs

Photograph No. 1

View of landfill cap facing North.

No signs of erosion or surface depression resulting from the rain event.



**Dona Ana Range Camp Rubble Landfill – August 13, 2016 Rain Event
Inspection - SWMU-27/FTBL-012**

Photograph No.2

View of landfill cap
facing East.

No signs of erosion
or surface
depression resulting
from the rain event.



Photograph No. 3

View of landfill cap
facing South.

No signs of erosion
or surface
depression resulting
from the rain event.



**Dona Ana Range Camp Rubble Landfill – August 13, 2016 Rain Event
Inspection - SWMU-27/FTBL-012**

Photograph No. 4

View of landfill cap
facing West.

No signs of erosion
or surface
depression resulting
from the rain event.



Photograph No. 5

View of arroyo
facing North.

No signs of
significant erosion
or surface
depression on
arroyo resulting
from the rain event.



**Dona Ana Range Camp Rubble Landfill – August 13, 2016 Rain Event
Inspection - SWMU-27/FTBL-012**

Photograph No. 6

View of swale facing
North.

No signs of
significant erosion
or surface
depression resulting
from the rain event.



Enclosure 4:
August 21, 2016 Rain Event Inspection

Dona Ana Range Camp Rubble Landfill – August 21, 2016 Rain Event Inspection - SWMU-27/FTBL-012

Unit: IMBL- PWE

Inspector: Victor Garcia

Facility ID: SWMU-27/FTBL-12

Telephone Number: (915) 568-5205

Facility Name: Dona Ana Range Camp Rubble Landfill

Email: victor.h.garcia22.ctr@mail.mil

Inspection Date: August 29, 2016

List of Observations:

1. The landfill cover was uniform and in good condition. There was no evidence of erosion or depressions on the cap's surface and on the side slopes.
2. The vegetative layer was in good condition on the landfill cap and areas in the immediate vicinity within the fenced property.
3. The site perimeter fence and warning signs remained in good condition. There were no locations that required maintenance or repairs.

Inspection photographs

Photograph No. 1

View of landfill cap
facing North.

No signs of erosion
or surface
depression resulting
from the rain event.



**Dona Ana Range Camp Rubble Landfill – August 21, 2016 Rain Event
Inspection - SWMU-27/FTBL-012**

Photograph No.2

View of landfill cap facing East.

No signs of erosion or surface depression resulting from the rain event.



Photograph No. 3

View of landfill cap facing South.

No signs of erosion or surface depression resulting from the rain event.



Dona Ana Range Camp Rubble Landfill – August 21, 2016 Rain Event Inspection - SWMU-27/FTBL-012

Photograph No. 4

View of landfill cap facing West.

No signs of erosion or surface depression resulting from the rain event.



Photograph No. 5

View of arroyo facing North.

No signs of significant erosion or surface depression on arroyo resulting from the rain event.



**Dona Ana Range Camp Rubble Landfill – August 21, 2016 Rain Event
Inspection - SWMU-27/FTBL-012**

Photograph No. 6

View of swale facing
South.

No signs of
significant erosion
or surface
depression resulting
from the rain event.

