

**NM1 - \_\_\_\_66\_\_\_\_**

**Operational  
Infrastructure and Cell  
E-1 Construction  
Certification Report**

**2A of 4**

**July 2022**

## **APPENDIX D: CQA DAILY FIELD REPORTS**





## CQA FIELD REPORT

Date: 02/23/2022

Client: SCS EngineersReport #: 01Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0658-1504Temperature: 20's to 30'sClient Rep.: Travis ClarkCloud Cover: Mostly to partly cloudyOwner's Rep.: -Precipitation: NoneVisitors On-Site: None observedWind: 0-30mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0658

**Truck Wash**

- 3 density tests were taken. All 3 tests were taken from the final grade of the truck wash area, which was cut down to grade.
- All 3 tests failed due to being outside of the acceptable OMC variation. 2 tests failed due to falling outside of the Standard Proctor

**Yard Area**

- 2 tractors were taking excess cut material from the area adjacent to the truck wash and drying truck pad areas and spreading it across the yard area north of it, ending at the Caliche Road.
- 1 dozer spread the material to grade northeast of the truck wash area.

No other activities required CQA observation. CQA departed from site at 1504.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 02/23/2022

**Client:** SCS Engineers**Report #:** 01**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor:

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) Dozer, (2) Tractors

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
02/23/2022Client: SCS EngineersReport #: 01Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220223\_130335  
Tractors taking excess cut material from the area adjacent to the drying pads



Filename: 20220223\_135304  
Dozer spreading material northeast of the truck wash area



Filename: 20220223\_135307  
Tractor collecting excess cut material east of the truck wash pad

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 02/24/2022

Client: SCS EngineersReport #: 02Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0759-1656Temperature: 20's to 50'sClient Rep.: Travis ClarkCloud Cover: Mostly to partly cloudyOwner's Rep.: -Precipitation: NoneVisitors On-Site: None observedWind: 0-30mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0759

**Truck Wash**

- A dozer was used to rake the truck wash area, followed by a water truck spreading water within the area. After this was done, a compactor compacted the soil. This series of actions were done repeatedly.
- 3 density tests were taken. All 3 tests were taken from the final grade of the truck wash area, which was cut down to grade.
- 2 tests failed due to being outside of the acceptable Standard Proctor Range. 1 test passed.

**Yard Area**

- 2 tractors were taking excess cut material from the area adjacent to the Cell E1 and spreading it across the yard area north and west of it.

**Cell E1**

- 3 Excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1656.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 02/24/2022

**Client:** SCS Engineers**Report #:** 02**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor:

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) Dozer, (2) Tractors, (1) Water Truck, (1) Compactor

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
02/24/2022Client: SCS EngineersReport #: 02Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

South Elevation

☉ 353°N (T) ● 32.14871, -103.456838 ±4 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-02-24-13-05-21-Excavator transporting material within cell E1 to the haul truck within cell (1)

North East Elevation

☉ 243°SW (T) ● 32.148741, -103.456829 ±6 m ▲ 989 m



Filename: 22-SCS-NRL-01-2022-02-24-14-03-36-Tractor spreading excess cut material north of cell E1 (1)

East Elevation

☉ 263°W (T) ● 32.145898, -103.456574 ±7 m ▲ 982 m



Filename: 22-SCS-NRL-01-2022-02-24-14-08-57-Dozer raking final grade in the truck wash area (1)

East Elevation

☉ 262°W (T) ● 32.14588, -103.456518 ±2 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-02-24-14-45-53-Compactor compacting soil in the truck wash area (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 02/25/2022

Client: SCS EngineersReport #: 03Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0804-1513Temperature: 20's to 30'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: NoneVisitors On-Site: None observedWind: 0-24mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0804

**Truck Wash**

- An excavator was used to rake the truck wash area, followed by a water truck spreading water within the area. After this was done, a compactor compacted the soil. This series of actions were done repeatedly.
- 2 density tests were taken. All 2 tests were taken from the final grade of the truck wash area, which was cut down to grade.
- 1 tests failed due to being outside of the acceptable Standard Proctor Range. After the final grade was raked, watered, and compacted, the retest passed.

**Drying Pads**

- Due to the number of failed density tests before getting the required number of successful tests for the truck wash area, a dozer was used to cut the natural soil 6 inches below final grade in order to add material from the approved stockpiles.
- 2 tractors were taking excess cut material from the area within both drying pads and spreading it across the yard area south of the drying pad areas.

**Yard Area**

- 2 tractors were taking excess cut material from the area adjacent to the Cell E1 and spreading it across the yard area north and west of it.

**Cell E1**

- 3 Excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1513.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 02/25/2022

**Client:** SCS Engineers**Report #:** 03**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor:

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) Dozer, (2) Tractors, (1) Water Truck, (1) Compactor

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero

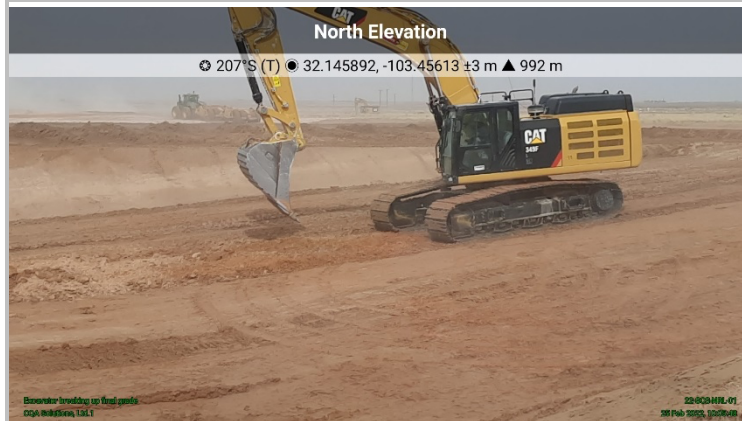




## CQA FIELD REPORT

Date:  
02/25/2022Client: SCS EngineersReport #: 03Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 22-SCS-NRL-01-2022-02-25-10-05-48-Excavator breaking up final grade (1)



Filename: 22-SCS-NRL-01-2022-02-25-14-28-35-Dozer raking the soil in the east drying pad. (1)



Filename: 22-SCS-NRL-01-2022-02-25-14-29-58-Tractor transporting material from the drying pad area to the yard area south of the drying pads. (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 02/26/2022

Client: SCS EngineersReport #: 04Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SaturdayHours On-Site: 0739-1611Temperature: 20's to 50'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: NoneVisitors On-Site: None observedWind: 0-24mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0739

## Yard Area

- 2 tractors were taking excess cut material from the area immediately south and west of Cell E1 and spreading it across the yard area north and west of it.

## Cell E1

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.
- 1 dozer was used to cut excess material from the southwest corner of the cell, west of the cell ramp, to grade.

No other activities required CQA observation. CQA departed from site at 1611

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 02/26/2022

Client: SCS EngineersReport #: 04Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor:

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) Dozer, (2) Tractors, (1) Water Truck, (1) Compactor

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
02/26/2022Client: SCS EngineersReport #: 04Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## East Elevation

☉ 297°W (T) ● 32.147623, -103.457556 ±8 m ▲ 1002 m



Filename: 22-SCS-NRL-01-2022-02-26-10-27-18-Excavator transporting material into a haul truck within Cell E1 (1)

## North West Elevation

☉ 144°SE (T) ● 32.147955, -103.457337 ±9 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-02-26-16-02-56-Excavator transporting material into a haul truck as a tractor spreads material (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 02/28/2022

Client: SCS EngineersReport #: 05Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0658-1246Temperature: 20's to 50'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: NoneVisitors On-Site: None observedWind: 0-24mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0658

## General Fill

- 1 dozer was used to spread material from the southwestern stockpile to the adjacent area south of the truck wash and drying pads
- 1 smooth drum was used to compact the general fill lift, which was 12 inches.
- 4 density tests were taken in the area. All 4 tests were within the acceptable Proctor and OMC range for general fill and did not fail.

## Yard Area

- 2 tractors were taking excess cut material from the area immediately south and west of Cell E1 and spreading it across the yard area north and west of it.

## Cell E1

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1246

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 02/28/2022

**Client:** SCS Engineers**Report #:** 05**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor:

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) Dozer, (2) Tractors, (1) Water Truck, (1) Compactor

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
02/28/2022Client: SCS EngineersReport #: 05Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## North West Elevation

☉ 166°SE (T) ● 32.145775, -103.45636 ±6 m ▲ 991 m



Smooth drum rolling first general fill lift immediately south of the drying pads

CQA Solutions, LLC

22-SCS-NRL-01

28 Feb 2022, 10:15:18

Filename: 22-SCS-NRL-01-2022-02-28-10-12-18-Smooth drum rolling first general fill lift immediately south of the drying pads (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



Insert  
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3/1/22





## CQA FIELD REPORT

Date: 03/02/2022

Client: SCS EngineersReport #: 07Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0729-1758Temperature: 30's to 70'sClient Rep.: Travis ClarkCloud Cover: Cloudy to SunnyOwner's Rep.: -Precipitation: NoneVisitors On-Site: Michael Bradford, Mustang and T-5 Rep.Wind: 0-8 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0655

**Drying Pads**

- 1 dozer was used to spread material in the area containing both drying pads. A water truck follow with spreading water through the spread material. A compactor was used afterwards to compact the material spread prior to testing.
- Moisture/density tests were taken in the compacted area. 13 of those tests were done within the west drying pad, while the other 10 were for the east drying pad.
- 7 tests were taken initially for the west drying pad. 5 of the 7 tests failed due to being outside the acceptable range of OMC and Proctor.
- 3 of the 7 tests initially taken for the east drying pad failed due to being outside the acceptable range of OMC.
- After the testing, a dozer was used to rake and spread the material, followed by a water truck was used to spread water throughout the failed sections, with compaction finishing the sequence prior to retesting.
- 5 retests were done for the 5 failed sections. 4 of them failed due to being outside the acceptable range of OMC.
- After the retesting, a blade was used to rake the road segments followed by a water truck, which was used to spread water throughout the raked area.

**Caliche Road**

- A water truck was used to spread water throughout the road segment containing the future scales and Road Segment 1. Afterwards, 1 dozer and 1 compactor were used to compact the lifts.
- 4 retests were done for the 4 failed sections that were outstanding from the prior day's failures. All 4 retests were within the acceptable range for Proctor and OMC and passed.
- 3 additional tests were taken within the road segment containing the future weight scales. 1 failed due to being outside the acceptable range for OMC.
- 4 tests were taken of Road Segment 2. 2 of the 4 tests failed due to being outside of the acceptable range for OMC.

**Yard Area**

- 2 tractors were taking excess cut material from the area immediately south and west of Cell E1 and spreading it across the yard area north and west of it. 1 tractor were transporting material from the stockpiles to the area west of the west drying pads.
- A dozer and compactor were used to spread and compact material west of the truck wash and drying pads. Afterwards, they were used to spread and compact material in the area immediately west of the west drying pad.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Pre-Con Meeting**

- At 9:30 AM MST, Michael Bradford and Travis Clark, alongside members from T-5 Construction and Mustang Construction, came together for a pre-con meeting for discussing plans for the following 3-5 weeks, alongside discussing outlying questions from prior emails.

No other activities required CQA observation. CQA departed from site at 1752

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/02/2022

**Client:** SCS Engineers**Report #:** 07**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/02/2022Client: SCS EngineersReport #: 07Project: Woodland Meadows LFG Ext Phase 2Job #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## South Elevation

10°N (T) 32.146825, -103.456347 ±8 m ▲ 998 m



Filename: 22-SCS-NRL-01-2022-03-02-12-13-39-Water truck spreading water over both of the drying pads (1)

## East Elevation

274°W (T) 32.146578, -103.456418 ±8 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-02-12-23-58-Dozer and compactor raking, spreading, and compacting material in the west drying pad (1)

## North Elevation

189°S (T) 32.147566, -103.457522 ±11 m ▲ 998 m



Filename: 22-SCS-NRL-01-2022-03-02-15-39-47-Tractor spreading material from the southeastern stockpile to the east drying pad (1)

## North East Elevation

221°SW (T) 32.147113, -103.455922 ±7 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-02-15-47-46-Dozer, compactor, and smooth drum preparing second lift in the east drying pad (1)

## North Elevation

175°S (T) 32.146696, -103.457166 ±7 m ▲ 978 m



Filename: 22-SCS-NRL-01-2022-03-02-16-05-25-Density testing the first lift of the west drying pad (1)

## North West Elevation

146°SE (T) 32.146689, -103.457152 ±7 m ▲ 1003 m



Filename: 22-SCS-NRL-01-2022-03-02-17-08-03-Water truck spreading water in area raked by dozer in west drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/03/2022

Client: SCS Engineer Environmental Consultant

Report #: 08

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 1 of 3

CQA Personnel: Xavier Smith

Day: Thursday

Hours On-Site: 0704-1743

Temperature: 30's to 70's

Client Rep.: Travis Clark

Cloud Cover: Sunny

Owner's Rep.: -

Precipitation: None

Visitors On-Site: None

Wind: 0-13 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0704

## Drying Pads

- 1 dozer was used to spread material in the area containing both drying pads. A water truck follow with spreading water through the spread material. A compactor was used afterwards to compact, with a tractor transporting material from the southeastern stockpile into the drying pad areas.
- 1 retest was done in the west drying pad for a failed section that was outstanding from the prior day's testing. The test was within the acceptable range for Proctor and OMC.

## Caliche Road

- A water truck was used to spread water throughout the road segment containing the future scales and Road Segment 2. Afterwards, 1 dozer and 1 compactor were used to compact the lifts.
- 7 retests were done for the 7 failed sections that were outstanding from prior days' failures. All 7 retests were within the acceptable range for Proctor and OMC and passed.
- A dozer and compactor were used to spread and compact material west of the truck wash and drying pads. Afterwards, they were used to spread and compact material in the area immediately west of the west drying pad.
- 7 tests were taken from the immediately west of the west drying pad. 6 of the 7 tests failed due to being outside the acceptable range of OMC, with 1 of those failed tests also being outside the acceptable range of Proctor.
- After testing, a blade was used to rake the area, followed with water being spread throughout the area and a smooth drum and compactor recompacting the area. A small strip in the southern edge of the area, due to being severely under on OMC, was left uncompacted to be recompacted later on after more water is spread out.
- 5 retests were done afterwards. All 5 tests were within the acceptable range of Proctor and OMC and passed.
- 12 additional tests were completed within the area. All 12 tests were within the acceptable range of Proctor and OMC and passed.

## Yard Area

- 2 tractors were taking excess cut material from the area immediately south and west of Cell E1 and spreading it across the yard area north and west of it. 1 tractor were transporting material from the stockpiles to the area west of the west drying pads.

## Cell E1

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1743

Prepared By: Xavier Smith

Reviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/03/2022

Client: SCS Engineer Environmental ConsultantReport #: 08Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbs Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

See above for failing density tests.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/03/2022

Client: SCS Engineer Environmental Consultant

Report #: 08

Project: Woodland Meadows LFG Ext Phase 2

Job #: 22-SCS-NRL-01

Location: Hobbes Co, NM

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## PHOTOGRAPHIC RECORD

North Elevation

208°S (T) 32.146383, -103.457729 ±11 m ▲ 1000 m



Filename: 22-SCS-NRL-01-2022-03-03-10-20-03-Density testing the area west of the drying pads (1)

East Elevation

287°W (T) 32.14843, -103.457071 ±5 m ▲ 985 m



Filename: 22-SCS-NRL-01-2022-03-03-13-14-40-Excavator placing material on haul trucks in the southeastern section of Cell E1 (1)

North West Elevation

132°SE (T) 32.148425, -103.457089 ±2 m ▲ 988 m



Filename: 22-SCS-NRL-01-2022-03-03-13-15-37-Excavator excavator material from the western section of Cell E1 (1)

South West Elevation

75°NE (T) 32.146712, -103.457683 ±7 m ▲ 1003 m



Filename: 22-SCS-NRL-01-2022-03-03-15-13-11-Dozer spreading material for the second lift of the west drying pad (1)

West Elevation

81°E (T) 32.146607, -103.45795 ±8 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-03-15-22-11-Haul truck transporting material into the west drying pad (1)

North East Elevation

227°SW (T) 32.147969, -103.457278 ±8 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-03-16-22-44-Blade spreading material to be compacted in Road Segment 2 (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/04/2022

Client: SCS Engineer Environmental Consultant

Report #: 09

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

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CQA Personnel: Xavier Smith

Day: Friday

Hours On-Site: 0704-1722

Temperature: 50's to 80's

Client Rep.: Travis Clark

Cloud Cover: Sunny

Owner's Rep.: -

Precipitation: None

Visitors On-Site: None

Wind: 0-13 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0704

**Drying Pads**

- 1 dozer was used to spread material in the area containing both drying pads. A water truck follow with spreading water through the spread material. A compactor was used afterwards to compact, with a tractor transporting material from the southeastern stockpile into the drying pad areas.
- 7 tests were taken from the west drying pad, and 7 tests were taken from the east drying pad. All 14 tests were within the acceptable range of Proctor and OMC, and passed.

**Caliche Road**

- A dozer and compactor were used to spread and compact material south of the truck wash and drying pads.
- 9 tests were taken from the immediately south of the drying pad. All tests were within the acceptable range of Proctor and OMC and passed

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1722

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/04/2022

Client: SCS Engineer Environmental Consultant

Report #: 09

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

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## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None identified.

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/04/2022

Client: SCS Engineer Environmental Consultant

Report #: 09

Project: Woodland Meadows LFG Ext Phase 2

Job #: 22-SCS-NRL-01

Location: Hobbes Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

North West Elevation

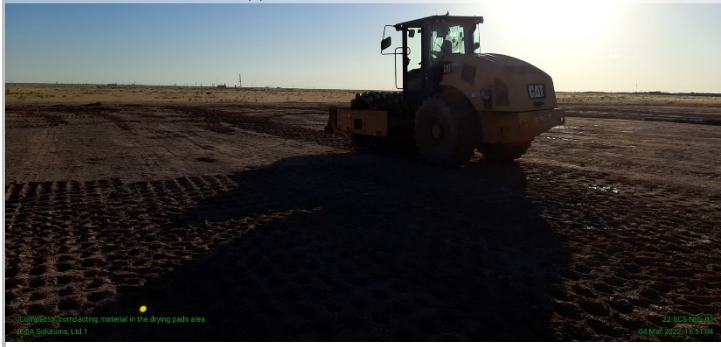
169°SE (T) 32.146589, -103.457243 ±8 m ▲ 994 m



Filename: 22-SCS-NRL-01-2022-03-04-14-55-14-Water truck spreading water in the west drying pad (1)

North Elevation

197°S (T) 32.146676, -103.457021 ±9 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-04-16-51-04-Compactor compacting material in the drying pads area (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/05/2022

Client: SCS Engineer Environmental Consultant

Report #: 10

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 1 of 3

CQA Personnel: Xavier Smith

Day: Friday

Hours On-Site: 0702-1002

Temperature: 50's to 80's

Client Rep.: Travis Clark

Cloud Cover: Sunny

Owner's Rep.: -

Precipitation: None

Visitors On-Site: None

Wind: 0-13 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0704

**Drying Pads**

- 1 dozer was used to spread material in the area containing both drying pads. A water truck follow with spreading water through the spread material. A compactor was used afterwards to compact, with a tractor transporting material from the southeastern stockpile into the drying pad areas.

**Caliche Road**

- A dozer and compactor were used to spread and compact material in the eastern portion of Road Segment 1.
- 1 water truck spread water throughout the area in between the spread and compacting of materials.
- 2 tests were taken in the area. Both tests were within the acceptable range of Proctor and OMC and passed.

**Cell E1**

- 3 excavators were used to cut material from the CellE1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. Earthwork crew worked half a day due to high winds causing low visibility. CQA departed from site at 1002

Prepared By: Xavier Smith

Reviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/05/2022

Client: SCS Engineer Environmental ConsultantReport #: 10Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbs Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None identified

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/05/2022Client: SCS Engineer Environmental ConsultantReport #: 10Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbes Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## East Elevation

☉ 290°W (T) ● 32.148955, -103.454833 ±5 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-05-09-31-16-Smooth drum rolling the material in the eastern half of Road Segment 1 (1)

## North West Elevation

☉ 152°SE (T) ● 32.146869, -103.457643 ±12 m ▲ 987 m



Filename: 22-SCS-NRL-01-2022-03-05-09-52-37-Dozer spreading material in the west drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/07/2022

Client: SCS Engineer Environmental ConsultantReport #: 11Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbs Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0705-1414Temperature: 50's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: NoneVisitors On-Site: NoneWind: 0-13 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0704

**Caliche Road**

- 1 dozer was used to spread material in the area east of the truck wash area. No other equipment were in the area during this time.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1414

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/07/2022

Client: SCS Engineer Environmental Consultant

Report #: 11

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None identified

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/07/2022Client: SCS Engineer Environmental ConsultantReport #: 11Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbes Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## East Elevation

☉ 259°W (T) ● 32.147054, -103.456138 ±6 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-07-12-45-22-Dozer spreading excess material north and east of the truck wash (1)

## North Elevation

☉ 202°S (T) ● 32.147704, -103.457495 ±10 m ▲ 996 m



Filename: 22-SCS-NRL-01-2022-03-07-13-38-54-Excavators removing material from Cell E1 (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/08/2022

Client: SCS Engineer Environmental Consultant

Report #: 12

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 1 of 3

CQA Personnel: Xavier Smith

Day: Tuesday

Hours On-Site: 0701-1801

Temperature: 30's to 50's

Client Rep.: Travis Clark

Cloud Cover: Sunny

Owner's Rep.: -

Precipitation: None

Visitors On-Site: None

Wind: 0-18 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0701

**Caliche Road**

- 2 dozers were used to spread material in Road Segment 1. 2 haul trucks were used to bring in material, a water truck spread material, and a compactor and smooth drum were used to compact the material.
- 2 lifts were done in Road Segment 1 in order for trucks carrying liner material to use in the near future. 3 tests were taken in the area of the first lift, and 5 tests were taken in the second lift.
- All 8 tests were within the acceptable range for Proctor and OMC, and passed.
- 1 dozer was used to spread material in the Caliche Road area immediately south of the truck wash, alongside an excavator.

**Survey**

- Surveyors were onsite to verify the elevations of both drying pads and of the truck wash. The elevations were not within the acceptable range, being under by an average of 0.7 feet in the drying pads, and 0.5 feet in the truck wash.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1801

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/08/2022

Client: SCS Engineer Environmental Consultant

Report #: 12

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

After finding fault with the elevations, Travis worked with T-5 Construction and with the surveyors to resolve the situation regarding the elevation issue. T-5 will also be adding a lift to the drying pads and to the truck wash to resolve the difference in elevation.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/08/2022

Client: SCS Engineer Environmental Consultant

Report #: 12

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbes Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

North Elevation

200°S (T) 32.148947, -103.454634 ±8 m ▲ 998 m



Filename: 22-SCS-NRL-01-2022-03-08-08-14-55-Water truck spreading water in Road Segment 1 (1)

North West Elevation

141°SE (T) 32.149017, -103.454636 ±7 m ▲ 989 m



Filename: 22-SCS-NRL-01-2022-03-08-08-26-50-Haul truck spreading material throughout Road Segment 1 (1)

North East Elevation

242°SW (T) 32.146304, -103.456366 ±5 m ▲ 991 m



Filename: 22-SCS-NRL-01-2022-03-08-12-17-45-Surveyors checking elevations within the drying pads and truck wash (1)

North East Elevation

239°SW (T) 32.148959, -103.454848 ±10 m ▲ 976 m



Filename: 22-SCS-NRL-01-2022-03-08-16-43-46-Water truck spreading water in the area of Road Segment 1 (1)

West Elevation

90°E (T) 32.146991, -103.456778 ±11 m ▲ 999 m



Filename: Solocator-2022-03-08-07-47-13 (1)

West Elevation

113°E (T) 32.148638, -103.453223 ±27 m ▲ 1050 m



Filename: 22-SCS-NRL-01-2022-03-08-17-54-38-Density testing in Road Segment 1 (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero

**Insert DFR from 3/9/22 #13**



## CQA FIELD REPORT

Date: 03/10/2022

Client: SCS Engineer Environmental Consultant

Report #: 14

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbs Co, NM

Page: 1 of 3

CQA Personnel: Xavier Smith

Day: Thursday

Hours On-Site: 0709-1713

Temperature: 20's to 50's

Client Rep.: Travis Clark

Cloud Cover: Sunny

Owner's Rep.: -

Precipitation: None

Visitors On-Site: None

Wind: 0-31 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0700

**Caliche Road**

- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 3 Retests were taken in this segment for the outstanding tests. All 3 were within the range for Proctor and OMC and passed.
- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads for an additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 6 tests were taken in the area. All 6 were within the acceptable range for Proctor and OMC, and passed.

**Drying Pads**

- 1 dozer was used to spread material throughout both drying pad, spreading the material transported it by both haul trucks and tractors. A water truck was used to spread water during the spreading of the material, followed by a compactor and smooth drum to compact the material.
- 7 tests were taken in the west drying pad. All 7 were within the acceptable range for Proctor and OMC and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1826

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/10/2022

**Client:** SCS Engineer Environmental Consultant**Report #:** 14**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Hobbs Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

A water truck broke down due to mechanical issues, which was repaired within the day.

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/10/2022Client: SCS Engineer Environmental ConsultantReport #: 14Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbes Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## North Elevation

☉ 179°S (T) ● 32.146534, -103.457397 ±3 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-10-13-31-02-Dozers spreading material brought by the haul truck south of the drying pads (1)

## North East Elevation

☉ 221°SW (T) ● 32.1465, -103.457356 ±7 m ▲ 985 m



Filename: 22-SCS-NRL-01-2022-03-10-13-45-12-Water truck spreading water south of the drying pads (1)

## West Elevation

☉ 121°E (T) ● 32.146479, -103.457388 ±12 m ▲ 1004 m



Filename: 22-SCS-NRL-01-2022-03-10-15-40-42-Water truck stalled due to mechanical issues south of the drying pads (1)

## West Elevation

☉ 89°E (T) ● 32.146491, -103.457471 ±7 m ▲ 991 m



Filename: 22-SCS-NRL-01-2022-03-10-15-41-56-Dozer spreading material transported by a tractor in the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/11/2022

Client: SCS EngineersReport #: 15Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0705-1820Temperature: 10's to 40'sClient Rep.: Travis ClarkCloud Cover: Cloudy to SunntOwner's Rep.: -Precipitation: 0.01 inVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0705

**Caliche Road**

- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads for an additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.

**Drying Pads**

- 1 dozer was used to rake material throughout the east drying pad, followed by a compactor and smooth drum to compact the material.
- 1 test was taken in the east drying pad. The test was outside the acceptable range of the Proctor and OMC by a considerable amount, and failed.
- The dozer was used to rake the material once again, then recompact it alongside a smooth drum.

**Truck Wash**

- 2 dozers were used to spread material in the truck wash area. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.

**Survey**

- 2 surveyors came out to survey the certification points in the drying pads and the truck wash. All certification points were within 0.1 ft of final elevation and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1820

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/11/2022

Client: SCS EngineersReport #: 15Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

See above for outstanding failed tests.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/11/2022

Client: SCS Engineers

Report #: 15

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

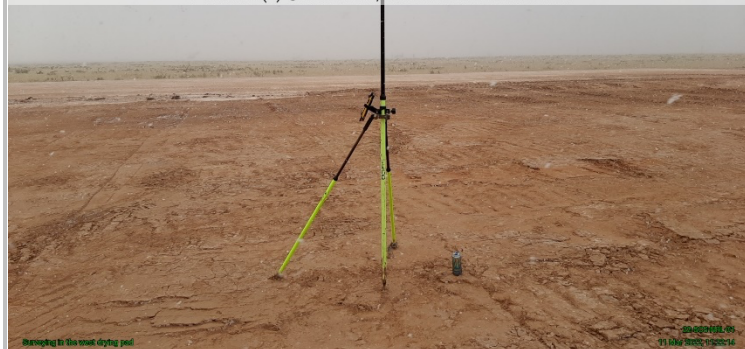
Location: Lea Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

North Elevation

☉ 215°SW (T) ● 32.146479, -103.456989 ±7 m ▲ 991 m



Filename: 22-SCS-NRL-01-2022-03-11-11-22-14-Surveying in the west drying pad (1)

North West Elevation

☉ 140°SE (T) ● 32.146443, -103.457295 ±10 m ▲ 996 m



Filename: 22-SCS-NRL-01-2022-03-11-12-12-29-Water truck spreading water in the truck wash area (1)

South West Elevation

☉ 45°NE (T) ● 32.14618, -103.456684 ±5 m ▲ 988 m



Filename: 22-SCS-NRL-01-2022-03-11-13-28-12-Dozer cutting material from the sump of the east drying pad (1)

West Elevation

☉ 112°E (T) ● 32.14597, -103.456465 ±10 m ▲ 970 m



Filename: 22-SCS-NRL-01-2022-03-11-17-57-35-Dozer cutting material from the eastern section of the truck wash (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/12/2022

Client: SCS EngineersReport #: 16Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SaturdayHours On-Site: 0712-1818Temperature: 10's to 50'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0712

**Caliche Road**

- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads for an additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 7 Tests were taken in the area. All 7 tests were within the acceptable range of Proctor and OMC, and passed

**Drying Pads**

- 1 dozer was used to rake material throughout the east drying pad, followed by a compactor and smooth drum to compact the material.
- 5 test was taken in the east drying pad. 4 of the test was outside the acceptable range of the Proctor and failed. 1 of the tests was within the acceptable range of Proctor and OMC, and passed
- The dozer was used to rake the material once again, then recompact it alongside a smooth drum.

**Truck Wash**

- 1 dozer was used to rake material throughout the east drying pad, followed by a compactor and smooth drum to compact the material.
- 2 tests were taken within the area. Both tests were outside the acceptable range of Proctor, and failed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. CQA departed from site at 1818

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/12/2022

Client: SCS EngineersReport #: 16Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

See above for outstanding failed tests.

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/12/2022

Client: SCS Engineers

Report #: 16

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Lea Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

## South Elevation

☉ 26°N (T) ● 32.147, -103.45683 ±7 m ▲ 997 m



Filename: 22-SCS-NRL-01-2022-03-12-08-35-48-Dozer spreading material in the east drying pad (1)

## East Elevation

☉ 313°NW (T) ● 32.146854, -103.45686 ±7 m ▲ 993 m



Filename: 22-SCS-NRL-01-2022-03-12-10-16-19-Compactor compacting material while a water truck is spreading water south of the drying pads (1)

## East Elevation

☉ 276°W (T) ● 32.146863, -103.456876 ±8 m ▲ 995 m



Filename: 22-SCS-NRL-01-2022-03-12-13-17-07-Compactor compacting material south of the drying pads (1)

## South East Elevation

☉ 335°NW (T) ● 32.146331, -103.456474 ±6 m ▲ 986 m



Filename: 22-SCS-NRL-01-2022-03-12-17-31-27-Smooth drum compactor material in the northern half of the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/13/2022

Client: SCS EngineersReport #: 17Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SundayHours On-Site: 0719-0844Temperature: 20's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0719

**Drying Pads**

- 1 smooth drum was used to compact the material with the moisture obtained overnight
- 3 tests were taken in the east drying pad. All 3 of the test was outside the acceptable range of the Proctor and failed.

**Truck Wash**

- 1 smooth drum was used to compact the material with the moisture obtained overnight.
- 2 tests were taken within the area. Both tests were outside the acceptable range of Proctor and failed.

No other activities required CQA observation. CQA departed from site at 0844

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/13/2022

Client: SCS EngineersReport #: 17Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

Due to repeated failure within the east drying pad and truck wash, T-5 has planned corrective measures to get more compaction deeper within the final lifts.

Prepared By: Xavier SmithReviewed By: B. Duganiero





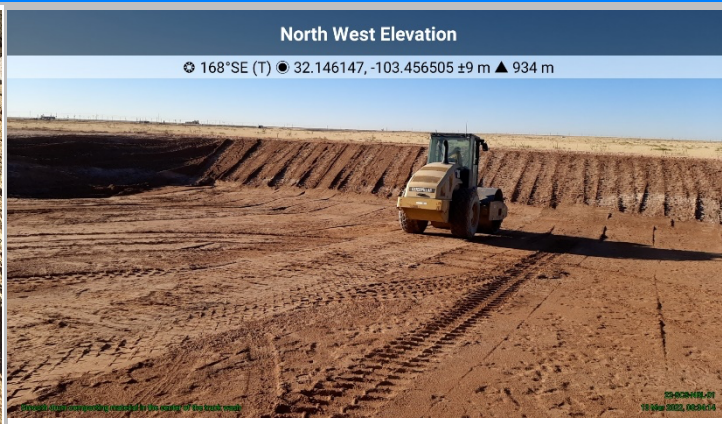
## CQA FIELD REPORT

Date:  
03/13/2022Client: SCS EngineersReport #: 17Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 22-SCS-NRL-01-2022-03-13-08-30-05-Density testing in the west half of the truck wash (1)



Filename: 22-SCS-NRL-01-2022-03-13-08-34-14-Smooth drum compacting material in the center of the truck wash (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/14/2022

Client: SCS EngineersReport #: 18Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0715-1138Temperature: 20's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0715

**Caliche Road**

- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.
- 2 dozers were used to spread material in the area immediately south of the truck wash and drying pads for an additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the compacting, and a compactor and smooth drum were used to compact the material.

**Drying Pads**

- 1 dozer was used to rake the material in the east drying pad.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No other activities required CQA observation. Work was stopped early due to high winds dropping visibility down to unsafe distances. CQA departed from site at 1138

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/14/2022

**Client:** SCS Engineers**Report #:** 18**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/14/2022Client: SCS EngineersReport #: 18Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## East Elevation

☉ 273°W (T) ● 32.146864, -103.456914 ±4 m ▲ 994 m



Filename: 22-SCS-NRL-01-2022-03-14-09-42-38-Dozer spreading and raking material in the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/15/2022

Client: SCS EngineersReport #: 19Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: TuesdayHours On-Site: 0706-0948Temperature: 20's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0706

**Caliche Road**

- 1 dozer was used to spread material in the area immediately south of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading.

**Drying Pads**

- 1 smooth was used to compact the material in the east drying pad.
- 1 test was taken in the area.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

No activities required CQA observation. No additional testing was done due to mechanical issues caused by the prior day's dust storms. CQA departed from site at 0948

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/15/2022

Client: SCS EngineersReport #: 19Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 2

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

1 dozer, 1 compactor, and 1 smooth drum had experienced mechanical issues due to the prior day's dust storms, and were repaired within the day.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/16/2022

Client: SCS EngineersReport #: 20Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0655-1607Temperature: 20's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0655

**Caliche Road**

- 1 dozer was used to spread material in the area immediately south of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading.

**Drying Pads**

- 1 dozer was used to spread material in the east drying pad, followed by a water truck spreading water and a smooth drum and compactor compacting it.
- 7 tests were taken in the area. All 7 were within the acceptable range of Proctor and OMC, and passed

**Truck Wash**

- 1 dozer was used to spread material in the truck wash area, followed by a water truck spreading water and a smooth drum and compactor compacting it.
- 2 tests were taken in the area. Both were within the acceptable range of Proctor and OMC, and passed

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north of Cell E1.

No activities required CQA observation. CQA departed from site at 1607

Prepared By: Xavier SmithReviewed By: B. Duganiero



**CQA FIELD REPORT**

Date: 03/16/2022

**Client:** SCS Engineers**Report #:** 20**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/16/2022Client: SCS EngineersReport #: 20Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

East Elevation

☉ 266°W (T) ● 32.14659, -103.456405 ±9 m ▲ 1003 m



Filename: 22-SCS-NRL-01-2022-03-16-11-37-51-Dozer transporting excess material to between the drying pads (1)

North West Elevation

☉ 152°SE (T) ● 32.146637, -103.456306 ±7 m ▲ 987 m



Filename: 22-SCS-NRL-01-2022-03-16-12-50-12-Water truck spreading water within the truck wash area (1)

North East Elevation

☉ 222°SW (T) ● 32.145993, -103.456146 ±9 m ▲ 988 m



Filename: 22-SCS-NRL-01-2022-03-16-13-22-11-Dozer spreading material within the truck wash area (1)

West Elevation

☉ 118°E (T) ● 32.146179, -103.456485 ±9 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-16-13-33-39-Compactor compacting lift within the truck wash area (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/17/2022

Client: SCS EngineersReport #: 21Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0718-1356Temperature: 20's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0718

**Caliche Road**

- 1 dozer was used to spread material in the area immediately south of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading.
- 8 tests were taken in the area. All 8 tests passed Proctor and OMC and passed.
- 1 dozer was used to spread material in the area immediately west of the west drying pad for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading.
- 1 dozer was used to spread material in the area south of the Caliche Road for building the storage pad. 2 haul trucks were used to bring in material, a water truck spread water during the spreading.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north of Cell E1.

No activities required CQA observation. Work stopped early due to windstorms reducing visibility to unsafe distances. CQA departed from site at 1356

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/17/2022

Client: SCS EngineersReport #: 21Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/17/2022Client: SCS EngineersReport #: 21Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

South West Elevation

☉ 67°NE (T) ● 32.146452, -103.456752 ±8 m ▲ 1001 m



Filename: 22-SCS-NRL-01-2022-03-17-09-10-22-Tractor spreading material east of the truck wash area (1)

South East Elevation

☉ 314°NW (T) ● 32.146356, -103.456817 ±8 m ▲ 994 m



Filename: 22-SCS-NRL-01-2022-03-17-09-18-55-Dozer and tractor spreading material west of the drying pads (1)

North West Elevation

☉ 161°SE (T) ● 32.146596, -103.457161 ±7 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-17-12-29-46-Dozer spreading material west of the drying pads (1)

North Elevation

☉ 201°S (T) ● 32.146329, -103.457102 ±7 m ▲ 1000 m



Filename: 22-SCS-NRL-01-2022-03-17-12-35-09-Smooth drum compacting the storage pad south of the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/18/2022

Client: SCS EngineersReport #: 22Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0717-1553Temperature: 30's to 50'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0717

**Caliche Road**

- 1 dozer was used to spread material in the area immediately west of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 8 tests were taken in the area. All 8 tests passed Proctor and OMC and passed.
- 1 dozer was used to spread material in the area further west of the west drying pad for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift
- 6 tests were taken in the area. All 6 tests were within the acceptable range of Proctor and OMC, and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north of Cell E1.

**Material Inventory**

- 2 Semi trucks arrived on site with material. A forklift was used to unload the material from the trucks onto the storage pad south of the drying pads.
- 12 rolls of HDPE geomembrane and 24 boxes of HDPE welding rod were on the first truck. All 12 rolls of geomembrane were approved for delivery
- 24 rolls of geocomposite were on the second truck. 9 of the 24 rolls of geocomposite were not approved for delivery, and were set apart from the approved rolls of geocomposite on the storage pad.

No activities required CQA observation. CQA departed from site at 1553

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/18/2022

Client: SCS EngineersReport #: 22Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero

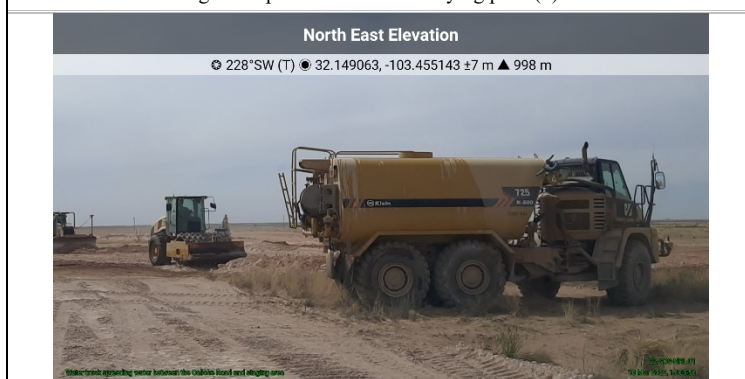
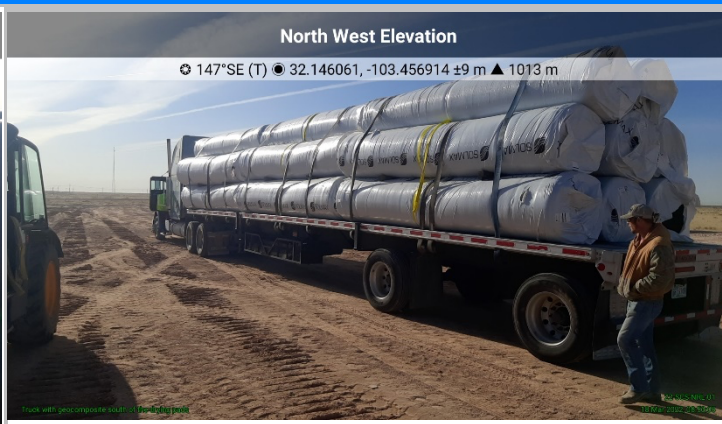
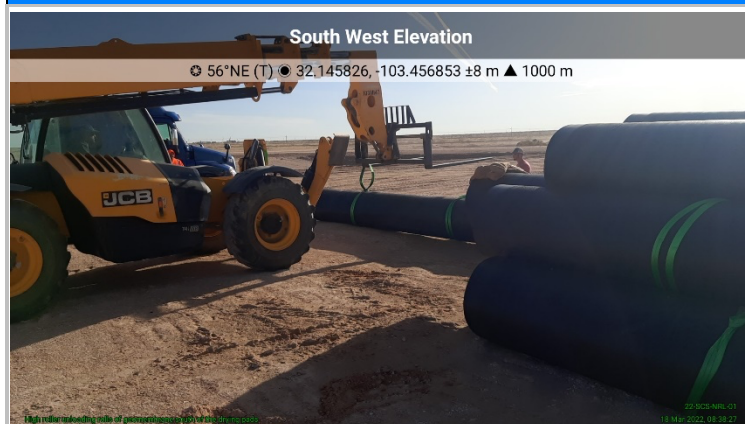




## CQA FIELD REPORT

Date:  
03/18/2022Client: SCS EngineersReport #: 22Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/19/2022

Client: SCS EngineersReport #: 23Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SaturdayHours On-Site: 0706-1703Temperature: 30's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-21 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0706

**Caliche Road**

- 1 dozer was used to spread material in the area immediately west of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 8 tests were taken in the area. All 8 tests passed Proctor and OMC and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north of Cell E1.

No activities required CQA observation. CQA departed from site at 1703

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/19/2022

Client: SCS EngineersReport #: 23Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/19/2022Client: SCS EngineersReport #: 23Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

## North Elevation

206°S (T) 32.1468, -103.457062 ±6 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-19-11-40-58-Water truck spreading water in the area west of the drying pads (1)

## Jal, NM 88252, USA

223°SW (T) 32.147341, -103.457565 ±8 m ▲ 993 m



Filename: 22-SCS-NRL-01-2022-03-19-13-15-24-Dozer and smooth drum compacting material in the area west of the drying pads (1)

## Unnamed Road, Jal, NM 88252, USA

203°S (T) 32.147748, -103.457397 ±8 m ▲ 982 m



Filename: 22-SCS-NRL-01-2022-03-19-15-01-51-Excavators placing material onto haul trucks in Cell E1 (1)

## Co Rd 2, Jal, NM 88252, USA

173°S (T) 32.1489, -103.455171 ±6 m ▲ 989 m



Filename: 2022-03-19-15-08-41-Tractor spreading material north of the truck wash

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/21/2022

Client: SCS EngineersReport #: 24Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0700-1223Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: CloudyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-36 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0706

**Caliche Road**

- 1 dozer was used to spread material in the area immediately north of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north of Cell E1.

No activities required CQA observation. Work ended early due to wind causing visibility to drop to unsafe distances. CQA departed from site at 1223

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/21/2022

Client: SCS EngineersReport #: 24Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/21/2022Client: SCS EngineersReport #: 24Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

Co Rd 2, Jal, NM 88252, USA

☉ 107°E (T) ● 32.146825, -103.456719 ±10 m ▲ 994 m



Filename: 22-SCS-NRL-01-2022-03-21-08-14-29-Dozer removing excess natural soil north of the truck wash (1)

Jal, NM 88252, USA

☉ 3°N (T) ● 32.146499, -103.457649 ±3 m ▲ 989 m



Filename: 22-SCS-NRL-01-2022-03-21-10-46-48-Smooth drum compacting material west of the west drying pad (1)

Unnamed Road, Jal, NM 88252, USA

☉ 117°E (T) ● 32.148014, -103.457264 ±7 m ▲ 990 m



Filename: 22-SCS-NRL-01-2022-03-21-11-06-03-Tractor spreading excess material north of the drying pads (1)

Jal, NM 88252, USA

☉ 335°NW (T) ● 32.146802, -103.457829 ±7 m ▲ 988 m



Filename: 22-SCS-NRL-01-2022-03-21-11-13-43-Dozer spreading excess material north of the drying pads (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/22/2022

Client: SCS EngineersReport #: 25Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0705-1920Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: CloudyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-36 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0705

**Caliche Road**

- 1 dozer was used to spread material in the area immediately north of the truck wash and drying pads for and additional lift. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 15 tests were taken within the area. All 15 were within the acceptable range for OMC and Proctor, and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 1 tractor was spreading material northeast of the truckwash

No activities required CQA observation. CQA departed from site at 1920

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/22/2022

Client: SCS EngineersReport #: 25Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

T-5 Construction had a tractor break down and become inoperable. A new tractor arrived onsite to replace the one that broke down

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/22/2022Client: SCS EngineersReport #: 25Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD

Jal, NM 88252, USA

☉ 135°SE (T) ● 32.146952, -103.457274 ±8 m ▲ 984 m



Filename: 22-SCS-NRL-01-2022-03-22-08-51-09-Dozer spreading material north of the west drying pad (1)

Co Rd 2, Jal, NM 88252, USA

☉ 209°S (T) ● 32.146913, -103.456361 ±13 m ▲ 945 m



Filename: 22-SCS-NRL-01-2022-03-22-18-26-30-Trailer delivering tractor south of the drying pads (1)

Checking street address ...

☉ 283°W (T) ● 32.146371, -103.455891 ±9 m ▲ 995 m



Filename: 22-SCS-NRL-01-2022-03-22-18-34-09-Smooth drum compacting material north of the truck wash (1)

Co Rd 2, Jal, NM 88252, USA

☉ 296°W (T) ● 32.146659, -103.456661 ±11 m ▲ 996 m



Filename: 22-SCS-NRL-01-2022-03-22-16-41-54-Water truck spreading water north of the west drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/23/2022

Client: SCS EngineersReport #: 26Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0710-1737Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: CloudyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-36 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0710

**Berm**

- 1 dozer was used to spread material in the berm area immediately west of Road Segment 2. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Geosynthetics**

- Mustang arrived on site, bringing with them 3 rolls of geotextile and 2 skidsteers.
- Geotextile was deployed in both drying pads, with sandbags being placed on the edges of the geotextile to prevent damage from wind.
- Geomembrane was placed in the east drying pad. It was fusion welded together with 2 welders.
- All seams were air tested.
- Due to heavy winds making working conditions unsafe, Mustang left site after finishing the east drying pad.

No activities required CQA observation. CQA departed from site at 1737

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/23/2022

Client: SCS EngineersReport #: 26Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

T-5 Construction had a tractor break down and become inoperable. A new tractor arrived onsite to replace the one that broke down

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/23/2022

Client: SCS Engineers

Report #: 26

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Lea Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

Co Rd 2, Jal, NM 88252, USA

163°SE (T) 32.146304, -103.456978 ±3 m ▲ 987 m



Filename: 22-SCS-NRL-01-2022-03-23-09-24-14-Mustang unloading geotextile south of the drying pads (1)

Co Rd 2, Jal, NM 88252, USA

233°SW (T) 32.146291, -103.456985 ±2 m ▲ 993 m



Filename: 22-SCS-NRL-01-2022-03-23-09-25-41-Mustang setting up their trailer south of the drying pads (1)

Checking street address ...

138°SE (T) 32.146324, -103.456979 ±7 m ▲ 998 m



Filename: 22-SCS-NRL-01-2022-03-23-10-30-45-Mustang deploying geotextile in the east drying pad (1)

Co Rd 2, Jal, NM 88252, USA

198°S (T) 32.146711, -103.456551 ±6 m ▲ 991 m



Filename: 22-SCS-NRL-01-2022-03-23-13-00-15-Mustang deploying geomembrane in the east drying pad (1)

Co Rd 2, Jal, NM 88252, USA

126°SE (T) 32.146571, -103.456406 ±7 m ▲ 991 m



Filename: 22-SCS-NRL-01-2022-03-23-13-11-50-Welders preparing fusion trial welds in the east drying pad (1)

Co Rd 2, Jal, NM 88252, USA

74°NE (T) 32.146237, -103.45653 ±2 m ▲ 989 m



Filename: 22-SCS-NRL-01-2022-03-23-14-37-42-Installation crew placing sandbags on the liner in the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/24/2022

Client: SCS EngineersReport #: 27Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Jal, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0710-1737Temperature: 30's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-21 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0710

**Berm**

- 1 dozer was used to spread material in the berm area immediately west of Road Segment 2. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Drying Pads**

- Geomembrane was placed in the west drying pad. It was fusion welded together with 2 welders.
- All seams were air tested, filled to 30 psi and held for the required timeframe. All seams passed air testing
- 2 Destructs were taken off the seaming
- Geocomposite was deployed in both drying pads over the secondary liner, with sandbags being placed on the edges of the geotextile to prevent damage from wind. The net was zip tied before the textile layer was stitched together.

No activities required CQA observation. CQA departed from site at 1737

Prepared By: Xavier SmithReviewed By: Brent Duganiero



## CQA FIELD REPORT

Date: 03/24/2022

Client: SCS Engineer Environmental ConsultantReport #: 27Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbs Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

T-5 Construction had a tractor break down and become inoperable. A new tractor arrived onsite to replace the one that broke down

Prepared By: Xavier SmithReviewed By: Brent Duganiero





## CQA FIELD REPORT

Date: 03/24/2022

Client: SCS Engineer Environmental Consultant

Report #: 27

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbes Co, NM

Page: 3 of 3

## PHOTOGRAPHIC RECORD

Co Rd 2, Jal, NM 88252, USA

228°SW (T) 32.146813, -103.456744 ±6 m ▲ 997 m



Filename: 22-SCS-NRL-01-2022-03-24-08-51-25-Installation crew fusion welding seams in the west drying pad (1)

Checking street address ...

31°N (T) 32.146373, -103.456556 ±7 m ▲ 997 m



Filename: 22-SCS-NRL-01-2022-03-24-09-12-59-Installation crew extrusion welding a cap in the sump in the east drying pad (1)

Jal, NM 88252, USA

43°NE (T) 32.146337, -103.456571 ±3 m ▲ 987 m



Filename: 22-SCS-NRL-01-2022-03-24-09-46-11-Installation crew extrusion welding a repair in the west drying pad (1)

Co Rd 2, Jal, NM 88252, USA

150°SE (T) 32.14672, -103.456767 ±7 m ▲ 983 m



Filename: 22-SCS-NRL-01-2022-03-24-10-09-50-Installation crew deploying Geocomposite in the east drying pad (1)

Co Rd 2, Jal, NM 88252, USA

128°SE (T) 32.146611, -103.456634 ±2 m ▲ 992 m



Filename: 22-SCS-NRL-01-2022-03-24-10-10-33-Installation crew zip tying Geocomposite in the east drying pad (1)

E 90 120 SE 150 S 180 210 SW 240

150°SE (T) 32.146135, -103.457083 ±13 m ▲ 983 m



Filename: 22-SCS-NRL-01-2022-03-24-15-32-07-Installation crew offloading GCL into the storage pad (1)

Prepared By: Xavier SmithReviewed By: Brent Duganiero



## CQA FIELD REPORT

Date: 03/25/2022

Client: SCS EngineersReport #: 28Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Jal, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0705-1639Temperature: 40's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-17 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0705

**Berm**

- 1 dozer was used to spread material in the berm area immediately west of Road Segment 2. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Truck wash**

- GCL was placed within the truck wash, with sufficient overlap. Bentonite was added within the overlap area before being leistered.
- Geomembrane was placed in the truck wash. It was fusion welded together with 2 welders.
- All seams were air tested, filled to 30 psi and held for the required timeframe. All seams passed air testing
- 2 Destructs were taken of the seaming
- Geocomposite was deployed in both drying pads over the secondary liner, with sandbags being placed on the edges of the geotextile to prevent damage from wind. The panels were zip tied before being stitched together.

**Drying Pads**

- Perforated pipe were added to both drying pads, laying on top of the geocomposite previously placed in the sump area, exiting the cell eastbound. 6 inches of washed gravel was also added to the sumps, before geocomposite was zip tied and stitched over the sump area into the previously existing geocomposite.

No activities required CQA observation. CQA departed from site at 1639

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/25/2022

**Client:** SCS Engineer Environmental Consultant**Report #:** 28**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Hobbs Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/25/2022

Client: SCS Engineer Environmental Consultant

Report #: 28

Project: North Ranch Landfill Cell E1/Operational Infrastructure

Job #: 22-SCS-NRL-01

Location: Hobbes Co, NM

Page: 3 of 3

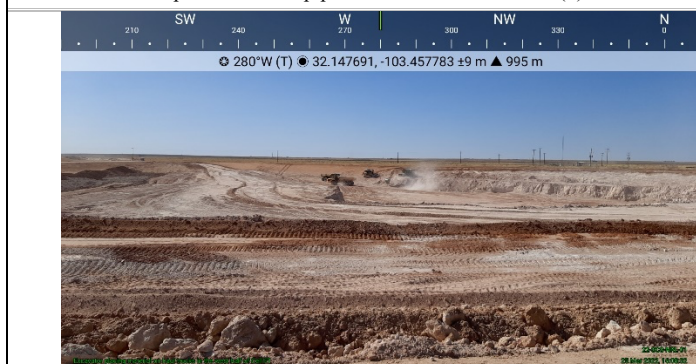
## PHOTOGRAPHIC RECORD



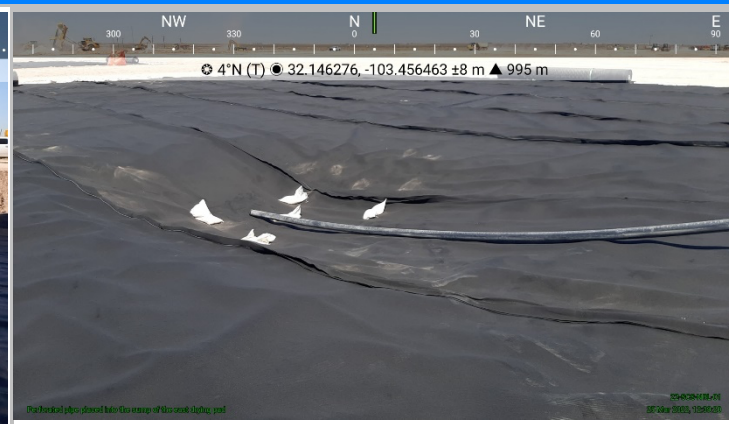
Filename: 22-SCS-NRL-01-2022-03-25-09-23-19-Installation crew preparing liner for seaming in the truck wash (1)



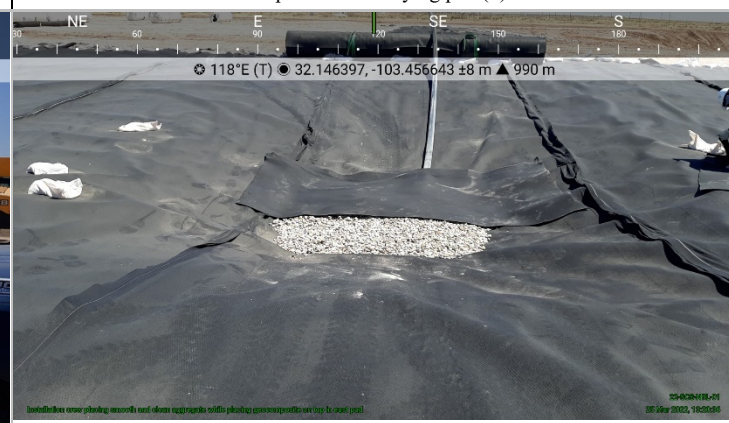
Filename: 22-SCS-NRL-01-2022-03-25-12-40-37-Installation crew creating perforations in pipes south of the truck wash (1)



Filename: 22-SCS-NRL-01-2022-03-25-16-08-32-Excavator placing material on haul trucks in the west half of Cell E1 (1)



Filename: 22-SCS-NRL-01-2022-03-25-12-39-20-Perforated pipe placed into the sump of the east drying pad (1)



Filename: 22-SCS-NRL-01-2022-03-25-13-20-36-Installation crew placing smooth and clean aggregate while placing geocomposite on top in east pad (1)



Filename: 22-SCS-NRL-01-2022-03-25-16-25-21-Dozer pushing material down slope in the east side of Cell E1 (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/26/2022

Client: SCS EngineersReport #: 29Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Jal, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SaturdayHours On-Site: 0720-1649Temperature: 40's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-17 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0720

**Berm**

- 1 dozer was used to spread material in the berm area immediately west of Road Segment 2. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift. A technician from a local lab came out to do density testing in this area from 0900-1600.
- 21 tests were taken in this area. All 21 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Drying Pads**

- The primary layer of geomembrane was placed in the truck wash. It was fusion welded together with 2 welders.
- All seams were air tested, filled to 30 psi and held for the required timeframe. All seams passed air testing
- 2 Destructs were taken of the fusion seaming
- The geocomposite between the secondary and primary layer of geomembrane was cut off the edges of the drying pad to allow the primary liner to be tied into the secondary liner via extrusion.

No activities required CQA observation. CQA departed from site at 1649

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/26/2022

**Client:** SCS Engineer Environmental Consultant**Report #:** 29**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Hobbs Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



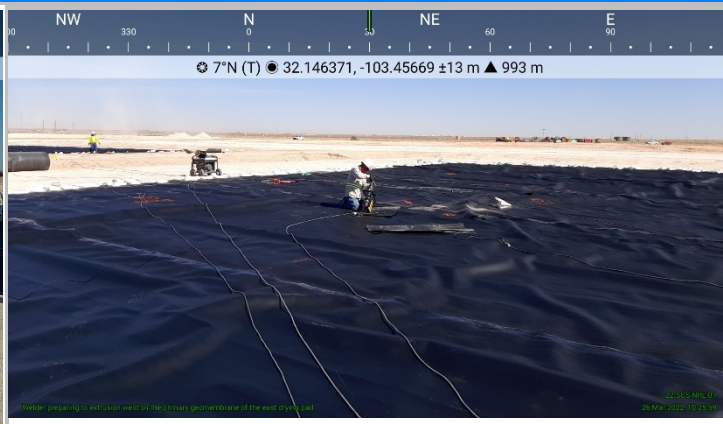
## CQA FIELD REPORT

Date:  
03/26/2022Client: SCS Engineer Environmental ConsultantReport #: 29Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbes Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 22-SCS-NRL-01-2022-03-26-09-32-52-Installation crew deploying primary geomembrane in the east drying pad (1)



Filename: 22-SCS-NRL-01-2022-03-26-10-25-59-Welder preparing to extrusion weld on the primary geomembrane of the east drying pad (1)

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 03/28/2022

Client: SCS EngineersReport #: 30Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Jal, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0700-1800Temperature: 50's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-28 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0700

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 15 tests were taken in this area. All 15 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Drying Pads**

- Geotextile was placed on top of the primary liner, being stitched together.
- A second set of pipes were set on top of the geotextile, placed within the sump and exiting eastbound out of the drying pads.

No activities required CQA observation. CQA departed from site at 1800

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/28/2022

Client: SCS Engineer Environmental ConsultantReport #: 30Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Hobbs Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (1) CAT D6K Dozer, (2) John Deere Tractors, (1) CAT 725 Water Truck, (1) CAT CP56B Compactor, (1) CAT 140M Blade, (1) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/28/2022

**Client:** SCS Engineer Environmental Consultant

**Report #:** 30

**Project:** North Ranch Landfill Cell E1/Operational Infrastructure

**Job #:** 22-SCS-NRL-01

**Location:** Hobbes Co, NM

**Page:** 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220328\_133201

Description: Installation Crew placing geotextile in the west drying pad



Filename: 20220328\_170558

Description: Haul truck taking cut material to the stockpile south of Cell E1



Filename: 20220328\_170601

Description: Haul truck releasing approved structural fill in the northwest berm area.



Filename: 20220328\_170604

Description: Density testing in the northwest berm area.

Prepared By: Xavier Smith

Reviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/29/2022

Client: SCS EngineersReport #: 31Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: TuesdayHours On-Site: 0715-1317Temperature: 50's to 80'sClient Rep.: Travis ClarkCloud Cover: Sunny to CloudyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-28 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0715

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 8 tests were taken in this area. All 8 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Truck Wash**

- The primary liner got tied into the secondary liner via extrusion welding.
- Geotextile was placed on top of the primary liner, being stitched together.

No activities required CQA observation. Earthwork crew ended early due to being winded out. CQA departed from site at 1317

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 03/29/2022

**Client:** SCS Engineer Environmental Consultant**Report #:** 31**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 3**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
03/29/2022Client: SCS EngineersReport #: 31Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220329\_093217

Description: Installation crew removing sandbags to extrusion the overlap area of the truck wash



Filename: 20220329\_093219

Description: Installation crew heat tacking patches in the overlap area of the truck wash

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/30/2022

Client: SCS EngineersReport #: 32Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0655-1918Temperature: 40's to 60'sClient Rep.: Travis ClarkCloud Cover: Sunny to CloudyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-38 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0655

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 12 tests were taken in this area. All 12 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Truck Wash**

- Geotextile was placed on top of the primary liner, being stitched together.
- Perforated pipe was placed on top of the geotextile

No activities required CQA observation. CQA departed from site at 1918.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/30/2022

Client: SCS EngineersReport #: 32Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

No issues were present today

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date:  
03/30/2022

**Client:** SCS Engineers

**Report #:** 32

**Project:** North Ranch Landfill Cell E1/Operational Infrastructure

**Job #:** 22-SCS-NRL-01

**Location:** Lea Co, NM

**Page:** 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220330\_095052  
Description: Installation crew propping up pipe in truck wash



Filename: 20220330\_095056  
Installation crew placing additional sandbags in the truck wash.

Prepared By: Xavier Smith

Reviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/31/2022

Client: SCS EngineersReport #: 33Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0720-1804Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0720

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 12 tests were taken in this area. All 12 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Truck Wash**

- Geotextile was placed on top of the primary liner, being stitched together.
- Perforated pipe was placed on top of the geotextile

No activities required CQA observation. CQA departed from site at 1804.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/31/2022

Client: SCS EngineersReport #: 33Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 03/31/2022

Client: SCS EngineersReport #: 33Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220331\_100505

Description; Excavators transporting material from the south side of Cell E1



Filename: 20220331\_125555

Blade removing excess material from a lift in the east berm of Cell E1



Filename: 20220331\_131135

Smooth drum compacting the lift on the east berm of Cell E1



Filename: 20220331\_131138

Blade removing excess material from the north berm of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/01/2022

Client: SCS EngineersReport #: 34Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0645-1300Temperature: 40's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: Michael BradfordWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0645

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 1 smooth drum and 1 compactor were used to compact the lift.
- 6 tests were taken in this area. All 6 were within the acceptable range of OMC and Proctor and passed.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

**Visitor**

- Michael Bradford arrived onsite for a walk-thru of the site, as well as discussing potential issues and questions with Travis and T-5 Construction.

No activities required CQA observation. Work ended early due to water shortage. CQA departed from site at 1300.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/01/2022

Client: SCS EngineersReport #: 34Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 2

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

Work ended early due to running out of water. Issue was dealt with within same day, as a new place was discovered to source the water

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/02/2022

Client: SCS EngineersReport #: 35Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: SaturdayHours On-Site: 0730-1615Temperature: 30's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-28 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0730

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

No other activities required CQA observation. CQA departed from site at 1615.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/02/2022

Client: SCS EngineersReport #: 35Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

No issues were observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**Date:  
04/02/2022**Client:** SCS Engineers**Report #:** 35**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 3 of 3**PHOTOGRAPHIC RECORD**Filename: 20220402\_160608  
Haul trucks placing material for a lift on the north berm of Cell E1Filename: 20220402\_160613  
Dozer spreading material on the north berm of Cell E1Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/04/2022

Client: SCS EngineersReport #: 36Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0714-1850Temperature: 40's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-29 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0714

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

No other activities required CQA observation. CQA departed from site at 1850.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/04/2022

Client: SCS EngineersReport #: 36Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/04/2022

Client: SCS EngineersReport #: 36Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220404\_073645  
Excavators removing material from the east section of Cell E1



Filename: 20220404\_073648  
Taking a density test on the north berm of Cell E1



Filename: 20220404\_181855  
Smooth drum compacting material on the north berm of Cell E1



Filename: 20220404\_182009  
Water truck spreading water on the lift on the north berm of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/05/2022

Client: SCS EngineersReport #: 37Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: TuesdayHours On-Site: 0714-1217Temperature: 40's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-39 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0714

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

No other activities required CQA observation. Work ended early due to being winded out. CQA departed from site at 1217.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/05/2022

Client: SCS EngineersReport #: 37Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**Date:  
04/05/2022**Client:** SCS Engineers**Report #:** 37**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 3 of 3**PHOTOGRAPHIC RECORD**Filename: 20220405\_113323  
Taking a density test on the east berm of Cell E1Filename: 20220405\_113326  
Water truck spreading water on the north berm of Cell E1Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/06/2022

Client: SCS EngineersReport #: 38Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0706-1733Temperature: 40's to 60'sClient Rep.: Travis ClarkCloud Cover: Cloudy to SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-39 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0706

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

No other activities required CQA observation. CQA departed from site at 1733.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/06/2022

Client: SCS EngineersReport #: 38Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/06/2022

Client: SCS EngineersReport #: 38Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220406\_092051  
Excavators clearing material in the south section of Cell E1



Filename: 20220406\_092057  
Excavators clearing material in the east section of Cell E1



Filename: 20220406\_133638  
Excavators clearing material in the south section of Cell E1



Filename: 20220406\_133640  
Excavators clearing material in the east section of Cell E1



Filename: 20220406\_133644  
Haul truck placing material on the north berm of Cell E1



Filename: 20220406\_170932  
Excavators clearing material in the south section of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/07/2022

Client: SCS EngineersReport #: 39Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0730-1725Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: Cloudy to SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-39 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0730

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Cell E1**

- 3 excavators were used to cut material from the Cell E1 area, placing it on articulating trucks to be placed in the stockpiles south of Cell E1 and for the road northwest of the north berm.

**Yard Area**

- 2 tractors were spreading material north and northeast of the truck wash

No other activities required CQA observation. CQA departed from site at 1725.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/07/2022

Client: SCS EngineersReport #: 39Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(5) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
04/07/2022Client: SCS EngineersReport #: 39Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220407\_171141  
Taking a density test in the north berm of Cell E1



Filename: 20220407\_171145  
Excavators clearing material in the southeast corner of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/08/2022

Client: SCS EngineersReport #: 40Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0716-1240Temperature: 30's to 60'sClient Rep.: Travis ClarkCloud Cover: Cloudy to SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-18 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0730

**Berm**

- 2 dozers were used to spread material in the eastern and northern berm areas. 2 haul trucks were used to bring in material, a water truck spread water during the spreading. 2 smooth drums and 2 compactors were used to compact the lift.
- Moisture / density tests were performed using a nuclear density gauge. All tests passed. See Nuclear Density Test Log for details.

**Drainage Berm**

- 1 sample of the gravel onsite was taken to Fedex

No other activities required CQA observation. CQA departed from site at 1240.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/08/2022

Client: SCS EngineersReport #: 40Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 2

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(3) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/11/2022

Client: SCS EngineersReport #: 41Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: MondayHours On-Site: 0728-0830Temperature: 50's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-18 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0728

## Cell E1

- 3 Excavators were used to remove material from the cell, placing it onto haul trucks to transport to the stockpile southwest of Cell E1

No other activities required CQA observation. CQA departed from site at 0830.

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/11/2022

Client: SCS EngineersReport #: 41Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 2

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(3) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

No issues were present on this day.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/12/2022

Client: SCS EngineersReport #: 42Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: TuesdayHours On-Site: 0715-1100Temperature: 50's to 80'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-47 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0715

## Cell E1

- 3 Excavators were used to remove material from the cell, placing it onto haul trucks to transport to the stockpile southwest of Cell E1
- 2 dozers were used to scarify the subgrade, followed by 2 smooth drums recompact and smoothing the subgrade.

No other activities required CQA observation. CQA departed from site after the weekly meeting at 1100.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**CQA FIELD REPORT**

Date: 04/12/2022

**Client:** SCS Engineers**Report #:** 42**Project:** North Ranch Landfill Cell E1/Operational Infrastructure**Job #:** 22-SCS-NRL-01**Location:** Lea Co, NM**Page:** 2 of 2**CONTRACTOR INFORMATION**

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(3) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

**PROBLEM IDENTIFICATION & CORRECTIVE MEASURES**

None observed.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/13/2022

Client: SCS EngineersReport #: 43Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: WednesdayHours On-Site: 0715-1755Temperature: 40's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-47 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0715

## Cell E1

- 1 Water truck was used to spread water on the berms.
- 2 dozers were used to remove excess material placed the prior day. 1 of the dozers was also used to push excess material out of the sump of Cell E1
- 2 Smooth drums were used to roll the slopes after said material was removed.
- The surveyors were on site, taking shots of the elevation certification points. All elevation certifications points were within the acceptable range and passed.

No other activities required CQA observation. CQA departed from site at 1755.

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/13/2022

Client: SCS EngineersReport #: 43Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(3) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/13/2022

Client: SCS EngineersReport #: 43Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220413\_132625

Dozer pushing excess material up slope on south side of the east berm of Cell E1



Filename: 20220413\_140721

Dozer pushing excess material up slope on north side of the east berm of Cell E1



Filename: 20220413\_140723

Dozer pushing excess material up slope on the north berm of Cell E1



Filename: 20220413\_162916

Dozer pushing excess material out of the sump of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero





## CQA FIELD REPORT

Date: 04/14/2022

Client: SCS EngineersReport #: 44Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 3CQA Personnel: Xavier SmithDay: ThursdayHours On-Site: 0755-1732Temperature: 40's to 70'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-33 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0755

## Cell E1

- 3 trucks arrived on site with material. They were unloaded with a forklift, and placed within the storage pad south of Cell E1
- 2 dozers were used to remove remaining excess material from the slopes of Cell E1, followed by smooth drums rolling the slopes afterwards.

No other activities required CQA observation. CQA departed from site at 1732.

Prepared By: Xavier Smith

Reviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/14/2022

Client: SCS EngineersReport #: 44Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 2 of 3

## CONTRACTOR INFORMATION

Contractor: T-5

Supervisor: C. B.

Contractor:

Supervisor

Equipment on Site:

(3) Volvo articulating haul trucks, (3) Excavators, (2) CAT D6K Dozer, (2) John Deere Tractors, (2) CAT 725 Water Truck, (2) CAT CP56B Compactor, (1) CAT 140M Blade, (2) CAT CS56 Smooth Drum

## PROBLEM IDENTIFICATION &amp; CORRECTIVE MEASURES

None observed

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date:  
04/14/2022Client: SCS EngineersReport #: 44Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 3 of 3

## PHOTOGRAPHIC RECORD



Filename: 20220414\_091042

Truck containing geocomposite offloaded at the storage pad south of Cell E1



Filename: 20220414\_114938

Geocomposite and geomembrane stockpiled on the storage pad south of Cell E1



Filename: 20220414\_135512

Dozer removing excess material on the north berm of Cell E1



Filename: 20220414\_155323

Forklift being used to stockpile GCL on the storage pad south of Cell E1

Prepared By: Xavier SmithReviewed By: B. Duganiero



## CQA FIELD REPORT

Date: 04/15/2022

Client: SCS EngineersReport #: 45Project: North Ranch Landfill Cell E1/Operational InfrastructureJob #: 22-SCS-NRL-01Location: Lea Co, NMPage: 1 of 2CQA Personnel: Xavier SmithDay: FridayHours On-Site: 0708-1626Temperature: 50's to 90'sClient Rep.: Travis ClarkCloud Cover: SunnyOwner's Rep.: -Precipitation: N/AVisitors On-Site: NoneWind: 0-31 mph

## WORK PERFORMED – COMMENTS – OBSERVATIONS

CQA rep on site at 0708

## Cell E1

- 5 trucks arrived on site with material. They were unloaded with a forklift, and placed within the storage pad south of Cell E1
- All the material was recorded upon offloading and the roll numbers were verified on the approved inventory list.

No other activities required CQA observation. CQA departed from site at 1626.

Prepared By: Xavier SmithReviewed By: B. Duganiero

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 137444

CONDITIONS

Operator: NGL Waste Services, LLC 1008 Southview Circle Center, TX 75935	OGRID: 329268
	Action Number: 137444
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
bjones	None	8/24/2022