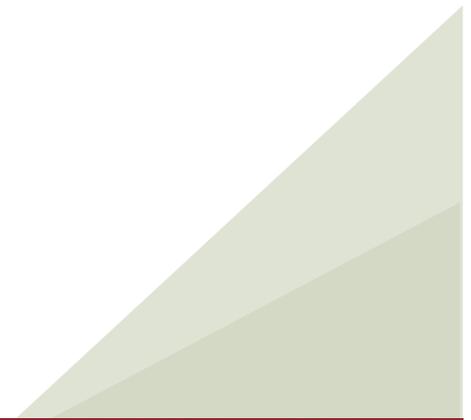


# Permit Renewal Application

R360 Permian Basin, LLC – DNCS Environmental Solutions Surface  
Waste Management Facility (Permit No. NM1-57)  
Lea County, New Mexico

Mr. Dillon Baird, P.E.  
Region Engineer  
Waste Connections | Southern Region  
1780 Hughes Landing Blvd, Suite 800  
The Woodlands, Texas 77381



**SCS ENGINEERS**

01224080.00 | September 13, 2024

6100 S. Maple Ave., #118  
Tempe, AZ 85283  
602-606-4553

## Contents

1	Introduction.....	1
2	form C-137 [19.15.36.8.C NMAC].....	1
3	Permit Renewal Application Contents [19.15.36.8.C (1) – (15) NMAC] .....	1
4	Applicant Certification [19.15.36.8.C (16)] .....	6
5	Other Information .....	6

## Figures

Figure I.1	Site Location Map (Updated)
Figure I.1B	Water Features Map (New)
Figure I.1C	Vicinity to Occupied Structures (New)
Figure I.A-1	½ Mile Radius Map (Property Ownership) (Updated)
Figure VI.1.6	Water Well Location (Updated)

## Appendices

Appendix A	Form C-137
Appendix B	Principal Officers Information
Appendix C	Updated 2024 Closure And Post-Closure Care Cost Estimate
Appendix D	Approved June 16, 2014 Application Documents
Appendix E	Approved April 20, 2015 Minor Permit Modification

# 1 INTRODUCTION

The R360 Permian Basin, LLC – DNSC Environmental Solutions Surface Waste Management Facility (Site) Operating Permit #NM1-57 (Permit), Condition 1.G and Title 19, Chapter 15, Part 36, Subpart 12, Section (2)(a) (19.15.36.12(2)(a)) of the New Mexico Administrative Code (NMAC) requires that a permit renewal application is submitted within 120 days of the 10-year anniversary of the Permit's effective date of January 13, 2015. Thus the Permit shall expire on January 13, 2025 and a permit renewal application must be submitted the New Mexico Oil Conservation Division (NMOCD) no later than September 15, 2024. Further, 19.15.36.12(2)(b) states that the application package is compliant with the criteria of 19.15.36.8(C) NMAC. 19.15.36.8(C) NMAC states 18 items which must be included with the application for permit renewal.

It is important to note at the onset of this application that although this Site is permitted, the Site has not been developed or constructed in any form to date. SCS recognizes only one minor modification as defined under 19.15.36.7 B.(10) NMAC to the permit was made in the 10-year permit period. The minor modification submitted and approved by the NMOCD on April 20, 2015, which changed Site's ownership structure (Modification provided in **Appendix D**). Beyond this modification, SCS understands that there have been no changes to the final/approved June 16, 2014 application permitting documents, engineering reports, calculations, and technical demonstrations since obtaining permit approval from NMOCD (NM1-57 Revised Permit Application June 2014 provided in **Appendix B**).

The following sections constitute the application for permit renewal for the Site providing an update to the 18 required permit renewal application items what SCS will provide with the understanding that approved June 16, 2014 application documents are complete and can either be included as-is by reference or require minor updates to make current:

## 2 FORM C-137 [19.15.36.8.C NMAC]

*“An applicant or operator shall file an application, form C-137, for a permit for a new surface waste management facility, to modify an existing surface waste management facility or for permit renewal with the environmental bureau in the division's Santa Fe office”*

A complete Form C-137, prepared and signed, is provided and attached as **Appendix A** of this application.

## 3 PERMIT RENEWAL APPLICATION CONTENTS [19.15.36.8.C (1) – (15) NMAC]

As discussed in Section 1.0 above, the Site has not been developed or constructed since initial NMOCD permit approval on June 16, 2014. Thus, much of the required application permitting documents, engineering reports, calculations, and technical demonstrations of 19.15.36.8.C(1)-(17) have not changed since approval and issuance of the Permit. The table (Table 1 below) provided in this section of this Permit Renewal Application summarizes the requirements of 19.15.36.8.C(1)-(17) and provides compliance by either providing an updated document or figure prepared for this Permit Renewal Application, or by reference to the NMOCD approved NM1-57 Revised Permit Application June 2014 (2014 RPA) provided in **Appendix C** or the April 20, 2015 Permit Modification Application (2015 PMA) in **Appendix D**.

**TABLE 1. Permit Renewal Application Summary**

<p>NMAC Reference Section</p>	<p>Required Information</p>	<p>Location Within This Permit Renewal Application (PRA)</p>
<p><b>19.15.36.8.C (1)</b></p>	<p><i>The application shall include: the names and addresses of the applicant and principal officers and owners of twenty-five percent or more of the applicant</i></p>	<p>Appendix B of this PRA</p>
<p><b>19.15.36.8.C (2)</b></p>	<p><i>The application shall include: A plat and topographic map showing the surface waste management facility's location in relation to governmental surveys (quarter-quarter section, township and range); highways or roads giving access to the surface waste management facility site; watercourses; fresh water sources, including wells and springs; and inhabited buildings within one-half mile of the site's perimeter based upon the records of the applicable county clerk or clerk's office;</i></p>	<p>New or Updated: figures provided as part of this PRA:</p> <p>Figure I.1 Updated to latest United States Geological Survey (USGS) Quadrangle map showing highways and roads in the Site's vicinity.</p> <p>New Figure I.1B demonstrating Site's proximity to watercourses</p> <p>Updated Figure IV.1.6 to show proximity to currently registered groundwater wells.</p> <p>New Figure I.1C demonstrating Site's proximity to inhabited buildings</p>
<p><b>19.15.36.8.C (3)</b></p>	<p><i>The application shall include: The names and addresses of the surface owners of the real property on which the surface waste management facility is sited and surface owners of the real property within one mile of the site's perimeter;</i></p>	<p>The Applicant and Property Owner of the Site Remain as stated in the 2015 PMA (Appendix E).</p> <p>Figure 1.A-1 of this PRA has been updated to current surface owners within 1-mile of the site's perimeter</p>
<p><b>19.15.36.8.C (4)</b></p>	<p><i>"The application shall include: a description of the surface waste management facility with a diagram indicating the location of fences and cattle guards, and detailed construction/installation diagrams of pits, liners, dikes, piping, sprayers, tanks, roads, fences, gates, berms, pipelines crossing the surface waste management facility, buildings and chemical storage areas;"</i></p>	<p>The Site Description in Section 1.2 and the Site Plan depicted on Figure 1.2 of Volume 1 the 2014 RPA are unchanged (Appendix D)</p>

NMAC Reference Section	Required Information	Location Within This Permit Renewal Application (PRA)
<b>19.15.36.8.C (5)</b>	<i>The application shall include: Engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation and disposal method and detailed designs of surface impoundments;</i>	The Engineering Designs and Calculations as provided in Volume III of the 2014 RPA are unchanged (Appendix D)
<b>19.15.36.8.C (6)</b>	<i>The application shall include: a plan for management of approved oil field wastes that complies with the applicable requirements contained in 19.15.36.13 NMAC, 19.15.36.14 NMAC, 19.15.136.15 NMAC, 19.15.36.17 NMAC.”</i>	The Oil Field Waste Management Plan as provided in Volume II, Section 2 of the 2014 RPA is unchanged (Appendix D)
<b>19.15.36.8.C (7)</b>	<i>The application shall include: an inspection and maintenance plan that complies with the requirements contained in Subsection L of 19.15.36.13 NMAC</i>	The Operations, Inspection, and Maintenance Plan as provided in Volume II, Section 1 of the 2014 RPA is unchanged (Appendix D)
<b>19.15.36.8.C (8)</b>	<i>A hydrogen sulfide prevention and contingency plan that complies with those provisions of 19.15.11 NMAC that apply to surface waste management facilities;</i>	The Hydrogen Sulfide Prevention and Contingency Plan as provided in Volume II, Section 3 of the 2014 RPA is unchanged (Appendix D)
<b>19.15.36.8.C (9)</b>	<i>The application shall include: a closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health and the environment, and to comply with the closure and post closure requirements contained in Subsections A through F of 19.15.36.18 NMAC;</i>	The Closure and Post Closure Plan as provided in Volume II, Section 4 of the 2014 RPA is unchanged (Appendix D)  An updated Closure/Post Closure Care Cost Estimate to 2024 Dollars is provided in Appendix C of this PRA.
<b>19.15.36.8.C (10)</b>	<i>The application shall include: a contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA</i>	The Contingency Plan as provided in Volume II, Section 5 of the 2014 RPA is unchanged (Appendix D)

NMAC Reference Section	Required Information	Location Within This Permit Renewal Application (PRA)
	1978, Sections 12-12 -1 through 12-12-30, as amended;	
<b>19.15.36.8.C (11)</b>	<i>The application shall include: a plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC;</i>	The Drainage Calculations provided in Volume III Section 3 and overall Drainage Plan presented on Sheet 7 of the Permit Plans of the 2014 RPA are unchanged (Appendix D)
<b>19.15.36.8.C (12)</b>	<i>The application shall include: in the case of an application to permit a new or expanded landfill, a leachate management plan that describes the anticipated amount of leachate that will be generated and the leachate's handling, storage, treatment and disposal, including final post closure options;</i>	The Leachate Management Plan as provided in Volume II, Section 6 of the 2014 RPA is unchanged (Appendix D)
<b>19.15.36.8.C (13)</b>	<i>A gas safety management plan that complies with the requirements of Subsection O of 19.15.36.13 NMAC;</i>	The Gas Safety Management details as provided Volume II, Section 1.5.6 in the 2014 RPA are unchanged (Appendix D)
<b>19.15.36.8.C (14)</b>	<i>The application shall include: a best management practice plan to ensure protection of fresh water, public health and the environment;</i>	Best Management Practices as described in Volume II, Section 1 as well as depicted on the Permit Plans of 2014 RPA are unchanged (Appendix D)
<b>19.15.36.8.C (15)(a)</b>	<i>The application shall include: geological/hydrogeological data including a map showing names and location of streams, springs or other watercourses, and water wells within one mile of the site</i>	New or Updated: figures provided as part of this PRA:  New Figure I.1B demonstrating Site's proximity to watercourses  Updated Figure IV.1.6 to show proximity to currently registered groundwater wells.
<b>19.15.36.8.C (15)(b)</b>	<i>The application shall include: geological/hydrogeological data including laboratory analyses, performed by an independent commercial laboratory, for major</i>	As discussed in Volume IV, Section 2 of the 2014 RPA no shallow groundwater was encountered during site investigative drilling programs in 2012 and 2013. Therefore, no

NMAC Reference Section	Required Information	Location Within This Permit Renewal Application (PRA)
	<i>cations and anions; BTEX; RCRA metals; and TDS of ground water samples of the shallowest fresh water aquifer beneath the proposed site;</i>	groundwater was sampled or laboratory tested for these parameters. (Appendix D)
<b>19.15.36.8.C (15)(c)</b>	<i>The application shall include: geological/hydrogeological data including depth to, formation name, type and thickness of the shallowest fresh water aquifer;</i>	The Santa Rosa Sandstone is considered to be the shallowest fresh water aquifer in the vicinity of the site at a depth of approximately 550 ft below grade. A detailed description is provided in Volume IV, Section 2 of the 2014 RPA (Appendix D)
<b>19.15.36.8.C (15)(d)</b>	<i>The application shall include: geological/hydrogeological data including Soil types beneath the proposed surface waste management facility, including a lithologic description of soil and rock members from ground surface down to the top of the shallowest fresh water aquifer</i>	Table IV.2.2 in Volume IV, Section 2 of the 2014 RPA provides this information and is unchanged (Appendix D)
<b>19.15.36.8.C (15)(e)</b>	<i>The application shall include: geological/hydrogeological data including geologic cross sections</i>	Figures IV.2.7 and IV.2.8 and accompanying discussion is provided in Volume IV, Section 2 of the 2014 RPA and is unchanged (Appendix D)
<b>19.15.36.8.C (15)(f)</b>	<i>The application shall include: geological/hydrogeological data including potentiometric maps for the shallowest fresh water aquifer</i>	As discussed in Volume IV, Section 2 and depicted on geologic cross section Figures IV.2.7 and IV.2.8 of the 2014 RPA, there is no presence of shallow groundwater and thus a potentiometric groundwater surface is not available. This assessment remains unchanged (Appendix D)
<b>19.15.36.8.C (15)(g)</b>	<i>The application shall include: geological/hydrogeological data including porosity, permeability, conductivity, compaction ratios and swelling characteristics for the sediments on which the contaminated soils will be placed;</i>	The assessments and descriptions of soil porosity, permeability, conductivity, compaction ratios, and swelling characteristics is provided in Volume IV, Section 2 and on Table IV.2.2 of the 2014 RPA. This information remains unchanged. (Appendix D)

## 4 APPLICANT CERTIFICATION [19.15.36.8.C (16)]

*“The Application shall include: certification by the applicant that information submitted in the application is true, accurate and complete to the best of the applicant's knowledge, after reasonable inquiry;”*

I, Dillon Baird, being first duty sworn, state that I am a R360 Permian Basin, LLC that I have read this Application for Permit Renewal including the contents of any exhibits, and the same is true and correct to the best of my knowledge and belief:



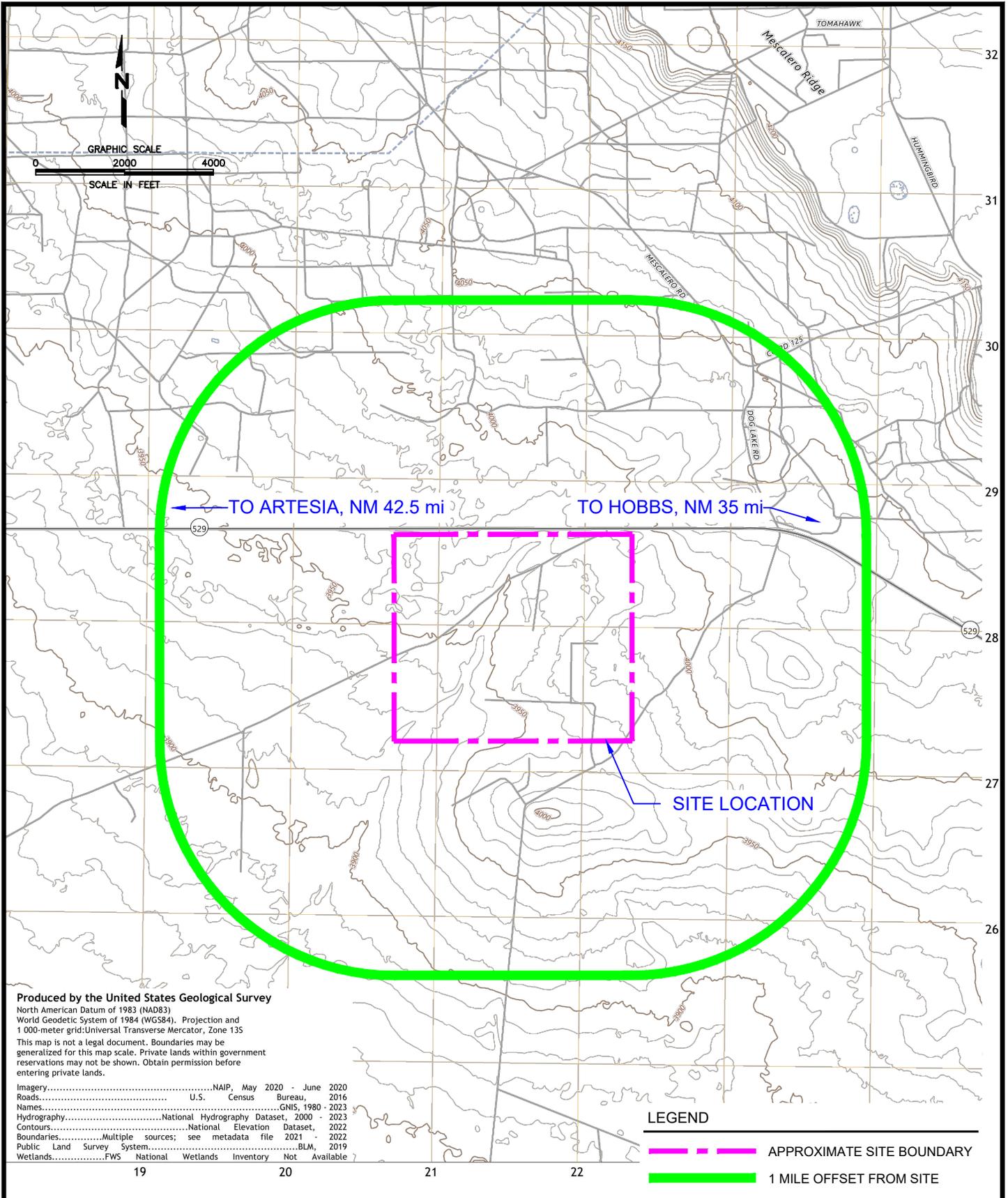
---

Dillon Baird  
R360 Permian Basin, LLC

## 5 OTHER INFORMATION

*“The Application shall include: other information that the division may require to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health or the environment and that the surface waste management facility will comply with division rules and order;”*

Not applicable.



**Produced by the United States Geological Survey**

North American Datum of 1983 (NAD83)  
 World Geodetic System of 1984 (WGS84). Projection and  
 1 000-meter grid: Universal Transverse Mercator, Zone 13S

This map is not a legal document. Boundaries may be  
 generalized for this map scale. Private lands within government  
 reservations may not be shown. Obtain permission before  
 entering private lands.

Imagery.....NAIP, May 2020 - June 2020  
 Roads.....U.S. Census Bureau, 2016  
 Names.....GNIS, 1980 - 2023  
 Hydrography.....National Hydrography Dataset, 2000 - 2023  
 Contours.....National Elevation Dataset, 2022  
 Boundaries.....Multiple sources; see metadata file 2021 - 2022  
 Public Land Survey System.....BLM, 2019  
 Wetlands.....FWS National Wetlands Inventory Not Available

**SCS ENGINEERS**

**ENVIRONMENTAL CONSULTANTS**

6100 S. MAPLE AVENUE, #118  
 TEMPE, AZ 85283  
 PH. (602) 840-2596

PROJ. NO.: 01224080.00	DWN. BY: AAS	ACAD FILE: Figure_1.1.dwg
DATE: 7-19-2024	CHK. BY: MPB	APP. BY: MPB

SHEET TITLE:

SITE LOCATION MAP

SCALE:

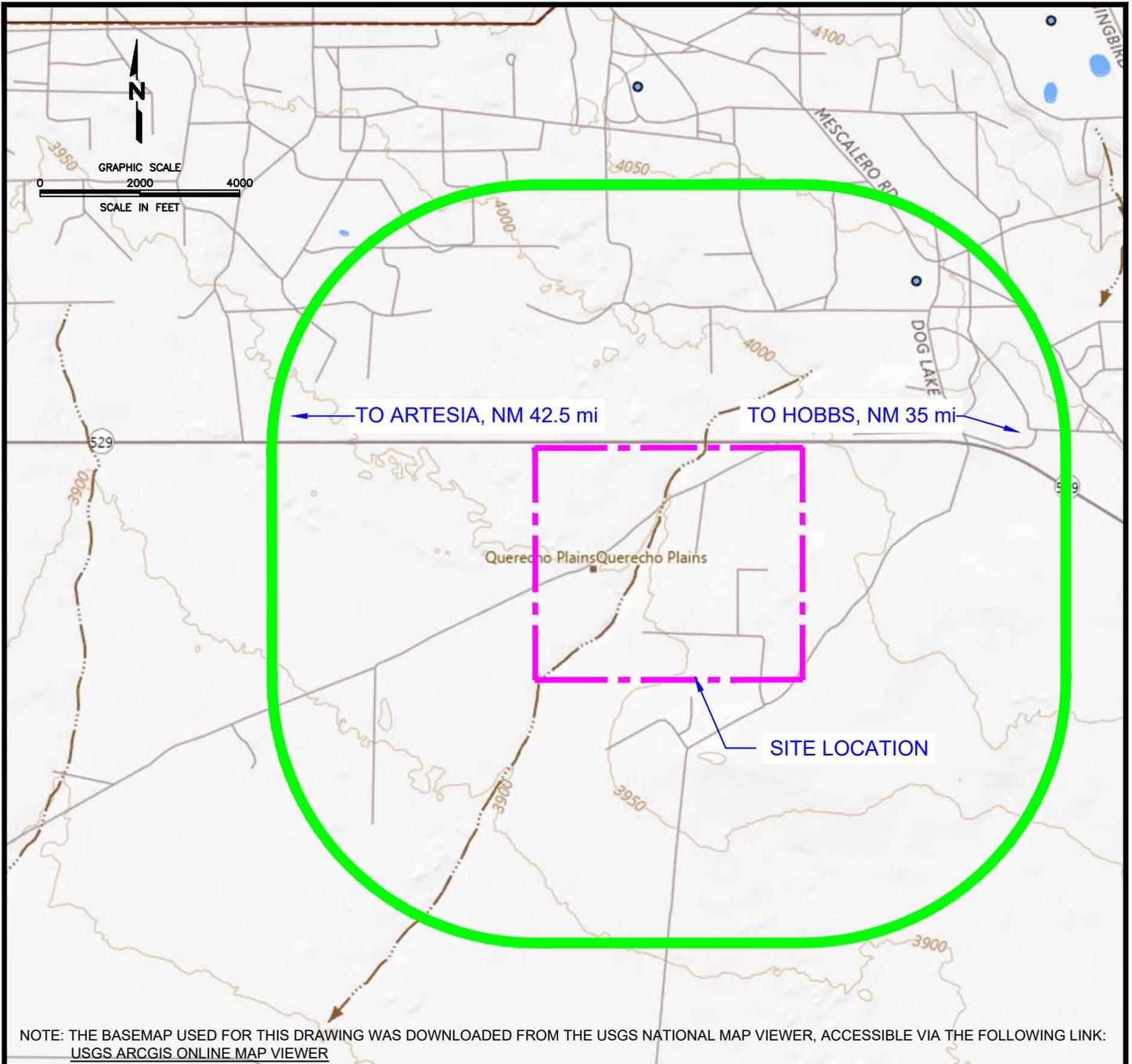
AS SHOWN

PROJECT TITLE:

DNCS ENVIRONMENTAL SOLUTIONS  
 LEA COUNTY, NEW MEXICO

FIGURE:

I.1



NOTE: THE BASEMAP USED FOR THIS DRAWING WAS DOWNLOADED FROM THE USGS NATIONAL MAP VIEWER, ACCESSIBLE VIA THE FOLLOWING LINK:  
[USGS ARCGIS ONLINE MAP VIEWER](https://nationalmapviewer.usgs.gov/)

**LEGEND**

- - - APPROXIMATE SITE BOUNDARY
- 1 MILE OFFSET FROM SITE

Flow Direction

- FCode
- ▶ Connector
  - ▶ Canal/Ditch
  - ▶ Underground Conduit
  - ▶ Stream/River
  - ▶ Stream/River - Perennial
  - ▶ Stream/River - Intermittent
  - ▶ Stream/River - Ephemeral
  - ▶ Pipeline
  - ▶ Artificial Path

Flowline - Large Scale

- FType, FCode
- Perennial
  - ... Intermittent
  - ... Ephemeral
  - Artificial Path
  - Canal Ditch
  - Coastline
  - Connector
  - Pipeline
  - Underground Conduit

**SCS ENGINEERS**

**ENVIRONMENTAL CONSULTANTS**

6100 S. MAPLE AVENUE, #118  
 TEMPE, AZ 85283  
 PH. (602) 840-2596

PROJ. NO.: 01224080.00	DWN. BY: AAS	ACAD FILE: Figure_1.1B.dwg
DATE: 7-24-2024	CHK. BY: MPB	APP. BY: MPB

SHEET TITLE:

WATER FEATURES

SCALE:

AS SHOWN

PROJECT TITLE:

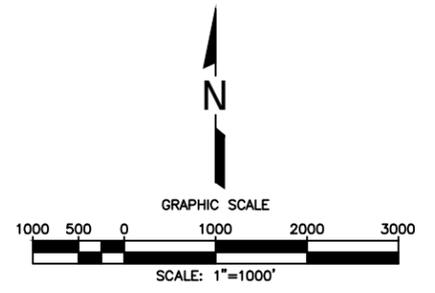
DNCS ENVIRONMENTAL SOLUTIONS  
 LEA COUNTY, NEW MEXICO

FIGURE:

1.1B

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z



**LEGEND**

	SITE LOCATION (APPROXIMATE) <sup>(1)</sup>
	1/2 MILE RADIUS (PUBLIC NOTICE)

DATE			
REVISION			
NO.			
SHEET TITLE:		1/2 MILE RADIUS MAP - INHABITED STRUCTURES	
PROJECT TITLE:		DNCS ENVIRONMENTAL SOLUTIONS LEA COUNTY, NEW MEXICO	
CLIENT:		DNCS ENVIRONMENTAL SOLUTIONS	
SCS ENGINEERS ENVIRONMENTAL CONSULTANTS		PROJECT FILE: AZ/ENGINEERS	
1100 S. WILSON AVENUE SUITE 116 TULSA, AZ 85061 (602) 840-2598		DRAWN BY: AAS	
PROJECT NO: 01224080.00		APP. BY: MPB	
DATE:		7-19-2024	
SCALE:		AS SHOWN	
FIGURE:		I.1C	

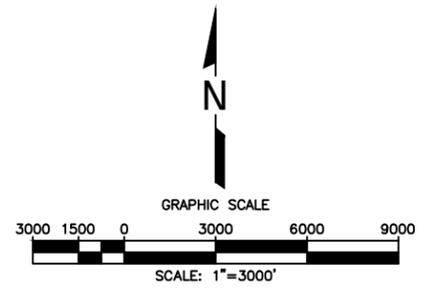
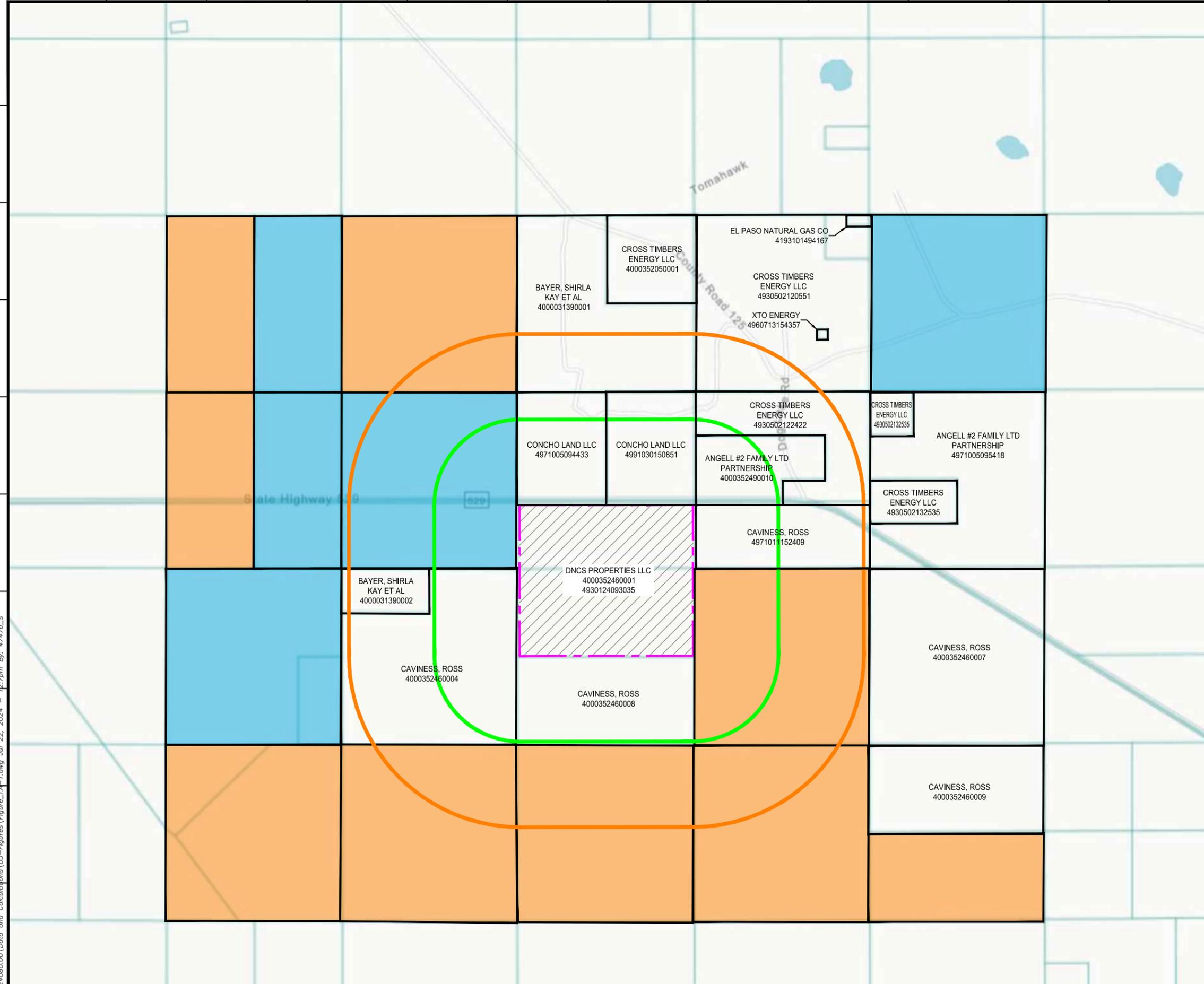
NOTES:  
 1. AERIAL IMAGE TAKEN FROM GOOGLE EARTH, IMAGE DATE JANUARY 2024  
 2. NO INHABITED STRUCTURES ARE LOCATED WITHIN 1/2 MILE OF THE SITE.

Z:\DATA\PROJECTS\01224080.00\Data and Calculations\03-Figures\Figure\_I.1C.dwg Aug 14, 2024 - 4:58pm By: 3268mpb

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

V:\01224080.00\Data and Calculations\03-Figures\Figure\_I.A-1.dwg Jul 22, 2024 - 10:27pm By: 4747a\_s

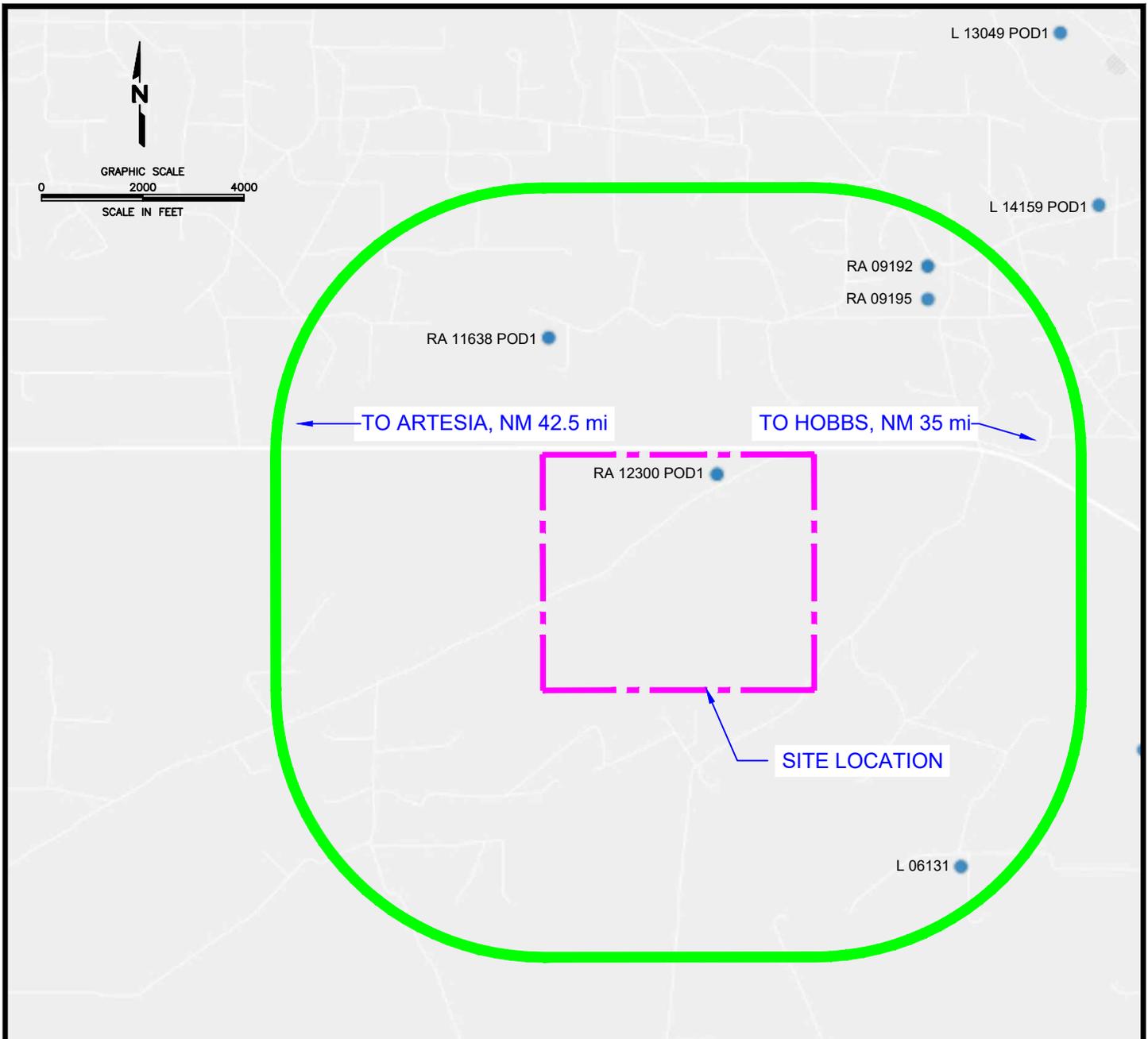


**LEGEND**

	SITE LOCATION (APPROXIMATE) <sup>(1)</sup>
	PRIVATE LAND (APPROXIMATE) <sup>(1)</sup>
	PUBLIC LAND (ADMINISTERED BY BUREAU OF LAND MANAGEMENT) <sup>(1)</sup>
	STATE LANDS <sup>(1)</sup>
	1/2 MILE RADIUS (PUBLIC NOTICE)
	1 MILE RADIUS
ROSS CAVINESS 497101152409	OWNER NAME PARCEL CODE

**NOTES:**  
 1. LANDOWNERSHIP DATA HAS BEEN UPDATED USING ONLINE RESOURCES FROM THE LEA COUNTY PARCEL MAP AND THE BLM NEW MEXICO STATEWIDE SPATIAL DATA. DATA WAS SOURCED FROM THE LEA COUNTY PARCEL MAP AVAILABLE AT([HTTPS://WWW.ARCGIS.COM/APPS/WEBAPPVIEWER/INDEX.HTML](https://www.arcgis.com/apps/webappviewer/index.html)) AND THE BLM NEW MEXICO STATEWIDE SPATIAL DATA AVAILABLE AT ([HTTPS://BLM-EGIS.MAPS.ARCGIS.COM/APPS/WEBAPPVIEWER/INDEX.HTML](https://blm-egis.maps.arcgis.com/apps/webappviewer/index.html)).

DATE	
REVISION	
NO.	
SHEET TITLE:	1/2 MILE RADIUS MAP
PROJECT TITLE:	DNCS ENVIRONMENTAL SOLUTIONS LEA COUNTY, NEW MEXICO
CLIENT:	DNCS ENVIRONMENTAL SOLUTIONS
DRAWN BY:	AAS
	MPB
CHECKED BY:	AAS
	MPB
DATE:	7-19-2024
SCALE:	AS SHOWN
FIGURE:	I.A-1



NOTE: THE DATA FOR WATER WELLS IN THIS DRAWING WAS SOURCED FROM THE GEOSPATIAL DATA PORTAL OF THE OFFICE OF THE STATE ENGINEER (OSE). THE SPECIFIC DATASET USED CAN BE ACCESSED VIA THE FOLLOWING LINK: [OSE GEOSPATIAL DATA PORTAL](#)

**LEGEND**

- - - APPROXIMATE SITE BOUNDARY
- █ 1 MILE OFFSET FROM SITE
- WATER WELL LOCATION

RA 12300 POD1

**SCS ENGINEERS**  
**ENVIRONMENTAL CONSULTANTS**  
 6100 S. MAPLE AVENUE, #118  
 TEMPE, AZ 85283  
 PH. (602) 840-2596

PROJ. NO.: 01224080.00	DWN. BY: AAS	ACAD FILE: Figure_1.1B.dwg
DATE: 7-24-2024	CHK. BY: MPB	APP. BY: MPB

SHEET TITLE: <b>WATER WELL LOCATION</b>
PROJECT TITLE: <b>DNCS ENVIRONMENTAL SOLUTIONS LEA COUNTY, NEW MEXICO</b>

SCALE: <b>AS SHOWN</b>
FIGURE: <b>IV.1.6</b>

# APPENDIX A

Form C-137

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For State Use Only:

Form C-137  
Revised August 1, 2011  
Submit 1 Copy to Santa Fe Office

### APPLICATION FOR SURFACE WASTE MANAGEMENT FACILITY

*A meeting should be scheduled with the Division's Santa Fe office Environmental Bureau prior to pursuing an application for a surface waste management facility in order to determine if the proposed location is capable of satisfying the siting requirements of Subsections A and B of 19.15.36.13 NMAC for consideration of an application submittal.*

1. Application:             New             Modification             Renewal
2. Type:  Evaporation     Injection     Treating Plant     Landfill     Landfarm     Other
3. Facility Status:             Commercial             Centralized
4. Operator: R360 Permian Basin, LLC  
Address: 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380  
Contact Person: Dillon Baird Phone: (913) 485-4857
5. Location: South 1/2 of Section 31 of T17S R33E and North 1/2 of Section 6 of T18S R33E; NMPE
6. Is this an existing facility?  es     No    If yes, provide permit number NM1-57
7. Attach the names and addresses of the applicant and principal officers and owners of 25 percent or more of the applicant. Specify the office held by each officer and identify the individual(s) primary responsible for overseeing management of the facility.
8. Attach a plat and topographic map showing the surface waste management facility's location in relation to governmental surveys (quarter-quarter section, township and range); highways or roads giving access to the surface waste management facility site; watercourses; fresh water sources, including wells and springs; and inhabited buildings within one mile of the site's perimeter.
9. Attach the names and addresses of the surface owners of the real property on which the surface waste management facility is sited and surface owners of the real property within one mile of the site's perimeter.
10. Attach a description of the surface waste management facility with a diagram indicating the location of fences and cattle guards, and detailed construction/installation diagrams of pits, liners, dikes, piping, sprayers, tanks, roads, fences, gates, berms, pipelines crossing the surface waste management facility, buildings and chemical storage areas.
11. Attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation and disposal method and detailed designs of surface impoundments.
12. Attach a plan for management of approved oil field wastes that complies with the applicable requirements contained in 19.15.36.13, 19.15.36.14, 19.15.36.15 and 19.15.36.17 NMAC.
13. Attach an inspection and maintenance plan that complies with the requirements contained in Subsection L of 19.15.36.13 NMAC.
14. Attach a hydrogen sulfide prevention and contingency plan that complies with those provisions of 19.15.3.118 NMAC that apply to surface waste management facilities.

15. Attach a closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, safety and the environment (the closure and post closure plan shall comply with the requirements contained in Subsection D of 19.15.36.18 NMAC).

16. Attach a contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act).

17. Attach a plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC.

18. In the case of an application to permit a new or expanded landfill, attach a leachate management plan that describes the anticipated amount of leachate that will be generated and the leachate's handling, storage, treatment and disposal, including final post closure options.

19. In the case of an application to permit a new or expanded landfill, attach a gas safety management plan that complies with the requirements of Subsection O of 19.15.36.13 NMAC

20. Attach a best management practice plan to ensure protection of fresh water, public health, safety and the environment.

21. Attach a demonstration of compliance with the siting requirements of Subsections A and B of 19.15.36.13 NMAC.

22. Attach geological/hydrological data including:

- (a) a map showing names and location of streams, springs or other watercourses, and water wells within one mile of the site;
- (b) laboratory analyses, performed by an independent commercial laboratory, for major cations and anions; benzene, toluene, ethyl benzene and xylenes (BTEX); RCRA metals; and total dissolved solids (TDS) of ground water samples of the shallowest fresh water aquifer beneath the proposed site;
- (c) depth to, formation name, type and thickness of the shallowest fresh water aquifer;
- (d) soil types beneath the proposed surface waste management facility, including a lithologic description of soil and rock members from ground surface down to the top of the shallowest fresh water aquifer;
- (e) geologic cross-sections;
- (f) potentiometric maps for the shallowest fresh water aquifer; and
- (g) porosity, permeability, conductivity, compaction ratios and swelling characteristics for the sediments on which the contaminated soils will be placed.

23. In the case of an existing surface waste management facility applying for a minor modification, describe the proposed change and identify information that has changed from the last C-137 filing.

24. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, safety or the environment and that the surface waste management facility will comply with division rules and orders

## 25. CERTIFICATION

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name: Dillon Baird

Title: Region Engineer

Signature: *Dillon Baird*

Date: 9/13/2024

E-mail Address: dillon.baird@wasteconnections.com

## **APPENDIX B**

### Principal Officers Information

**R360 Permian Basin, LLC**

**Names and Addresses of the Applicant and Principal Officers and Owners of 25% or More**

---

**Address:**

1780 Hughes Landing Blvd, Suite 800  
The Woodlands, Texas 77381

<b>Name</b>	<b>Title</b>
Michael Little	Division Vice President
Ronald J. Mittelstaedt	President and Chief Executive Officer
James M. Little	Executive Vice President
Matthew S. Black	Senior Vice President
Darrell W. Chambliss	Executive Vice President and Chief Operating Officer
Patrick J. Shea	Executive Vice President
Mary Anne Whitney	Executive Vice President and Chief Financial Officer
Robert M. Cloninger	Senior Vice President
David G. Eddie	Senior Vice President
Eric O. Hansen	Senior Vice President
Susan R. Netherton	Senior Vice President
Robert A. Nielsen III	Senior Vice President
Dan Pio	Senior Vice President
Philip J. Rivard	Senior Vice President

## **APPENDIX C**

Updated 2024 Closure and Post Closure Care Cost Estimate

**DNCS Environmental Solutions Surface Waste Management Facility**  
**R360 Permian Basin, LLC**  
 2024 Permit Renewal Application  
 13-Sep-24

**TABLE 1**  
**PHASE I CLOSURE/POST-CLOSURE**  
**COST ESTIMATE SUMMARY**

<b>TASK</b>	<b>30-YR COST ESTIMATE</b>
<b>1.0 LANDFILL CLOSURE CONSTRUCTION (TABLE 2)</b>	<b>\$331,434</b>
<b>2.0 LANDFILL MAINTENANCE POST CLOSURE CARE (TABLE 3)</b>	<b>\$841,500</b>
<b>3.0 ENVIRONMENTAL MONITORING POST CLOSURE CARE (TABLE 4)</b>	<b>\$330,000</b>
<b>4.0 POND AND PROCESSING AREA CLOSURE (TABLE 5, see Att. II.4.A.5)</b>	<b>\$815,199</b>
<b>5.0 PROCESSING AREA MAINTENANCE POST CLOSURE CARE (TABLE 6 3-years only)</b>	<b>\$50,160</b>
<b>TOTAL COST ESTIMATE</b>	<b>\$2,368,293</b>

**TABLE 2**  
**PHASE I LANDFILL CLOSURE CONSTRUCTION**  
**CLOSURE COST ESTIMATE**

<b>TASK 1.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost</b>
<b>1.1 Final Cover Installation</b>				
1.1.1 Install and compact 24" Infiltration (Barrier) Layer	43,516	CY	\$3.60	\$156,658
1.1.2 Install 12" Erosion (Vegetative) Layer	21,758	CY	\$2.50	\$54,396
1.1.3 Vegetative Layer Seeding (Class A)	13.5	AC	\$2,500.00	\$20,250
<b>Task Subtotal</b>				<b>\$231,304</b>
<b>1.2 Final Cover CQA</b>				
1.2.1 Inspection and Testing	1	LS	\$55,000	\$55,000
1.2.2 Certification	1	LS	\$15,000	\$15,000
<b>Task Subtotal</b>				<b>\$70,000</b>
<b>TASK TOTALS</b>				<b>\$301,304</b>
<b>Independent Project Manager and Contract Administration Cost (10% of Task Totals)</b>				<b>\$30,130</b>
<b>TOTAL COST</b>				<b>\$331,434</b>

**Notes:**

1. Phase I closure costs are based on the 2024 RSMeans Data and previous experiences with landfills located in arid climates.
2. Final cover installation costs assume that:
  - The greatest area requiring final cover is 13.5 acres ± (Unit
  - 12" of intermediate cover is already installed.
  - All soils necessary for closure are available on-site.
3. CY = Cubic Yard  
 AC = Acre  
 LS = Lump Sum
4. Due to the perimeter location there is no final cover "crown", and related geosynthetic layers in Unit 1.

**TABLE 3  
PHASE I LANDFILL MAINTENANCE  
POST-CLOSURE COST ESTIMATE**

<b>TASK 2.0</b>	Unit Quantity	Unit	Unit Cost	Total Cost Per Year	Total Cost For 30 Years
<b>2.1 Final Cover Inspection and Reporting</b>					
2.1.1 Inspection	2	events/yr	\$3,500	\$7,000	\$210,000
2.1.2 Recordkeeping and Reporting	2	events/yr	\$1,500	\$3,000	\$90,000
<b>Task Subtotals</b>				<b>\$10,000</b>	<b>\$300,000</b>
<b>2.2 Final Cover Maintenance</b>					
2.2.1 Cover Maintenance	1	AC/yr	\$1,000	\$1,000	\$30,000
2.2.2 Vegetation	2	AC/yr	\$1,500	\$3,000	\$90,000
<b>Task Subtotals</b>				<b>\$4,000</b>	<b>\$120,000</b>
<b>2.3 Leachate System</b>					
2.3.1 Inspection/Repair	1	LS	\$600	\$600	\$18,000
2.3.2 Disposal	4	events/yr	\$1,000	\$4,000	\$120,000
2.3.3 Leachate Pump and Electrical System	1	events/10yr	\$45,000	\$4,500	\$135,000
<b>Task Subtotals</b>				<b>\$9,100</b>	<b>\$273,000</b>
<b>2.4 Surface Water Management Systems</b>					
2.4.1 Inspection/Repairs	2	events/yr	\$600	\$1,200	\$36,000
<b>Task Subtotals</b>				<b>\$1,200</b>	<b>\$36,000</b>
<b>2.5 Fencing</b>					
2.5.1 Inspection/Repairs	2	events/yr	\$600	\$1,200	\$36,000
<b>Task Subtotals</b>				<b>\$1,200</b>	<b>\$36,000</b>
<b>TASK TOTALS</b>				<b>\$25,500</b>	<b>\$765,000</b>
<b>Independent Project Manager and Contract Administration Cost (10% of Task Totals)</b>				\$2,550	\$76,500
<b>TOTAL COST</b>				<b>\$28,050</b>	<b>\$841,500</b>

**Notes:**

1. Phase I closure costs are based on the 2024 RSMeans Data and previous experiences with landfills located in arid climates.
2. AC = Acre  
LS = Lump Sum

**TABLE 5  
PHASE I POND AND PROCESSING AREA CLOSURE CONSTRUCTION  
CLOSURE COST ESTIMATE**

Task 4.0	Units	Unit Cost	Total (28 acres)	
			Quantity	Cost
<b>4.1 Evaporation Pond</b>				
<b>4.1.1 Liquids Transport/Disposal</b>				
4.1.1.1 Transport Liquid	bbl	\$8.00	240	\$ 1920
4.1.1.2 Disposal Liquids	bbl	\$4.00	240	\$ 960
4.1.1.3 Remove/Transport Sludge	ton	\$21.00	4,840	\$ 101,640
4.1.1.4 Disposal Sludge	ton	\$48.00	4,840	\$ 232,320
4.1.1.5 Liner Removal/Transport	yd <sup>3</sup>	\$12.00	200	\$ 2400
4.1.1.6 Disposal Liner	yd <sup>3</sup>	\$4.25	200	\$ 850
			<b>Task Subtotal</b>	<b>\$ 340,090</b>
<b>4.1.2 Pond Backfill and Contouring</b>				
4.1.2.1 Soil On-site	yd <sup>3</sup>	\$1.00	0	\$ -
4.1.2.2 Place and Compact Soil	yd <sup>3</sup>	\$6.00	15,000	\$ 90,000
			<b>Task Subtotal</b>	<b>\$ 90,000</b>
<b>4.1.3 Sampling</b>	each	\$230	300	\$ 69,000
<b>4.1.4 Seeding</b>	acres	\$2,500	28	\$ 70,000
			<b>Task Subtotal</b>	<b>\$ 139,000</b>
<b>Pond Closure Subtotal:</b>				<b>\$ 569,090</b>
<b>4.2 Site Work</b>				
<b>4.2.1 Tank Removal</b>		Lump Sum		\$ 33,000
<b>4.2.2 Building Removal</b>		Lump Sum		\$ 33,000
<b>4.2.3 Process Equipment Removal</b>		Lump Sum		\$ 33,000
<b>4.2.4 Earthwork</b>		Lump Sum		\$ 13,000
			<b>Site Work Subtotal:</b>	<b>\$ 112,000</b>
<b>4.3 Engineering</b>				
<b>4.3.1 CQA/Certification</b>		Lump Sum		\$ 60,000
			<b>Engineering Subtotal:</b>	<b>\$ 60,000</b>
<b>4.4 Totals</b>				
<b>4.4.1 Subtotal</b>				\$ 741,090
<b>4.4.2 Administration Cost (10%)</b>				\$ 74,109
			<b>Total:</b>	<b>\$ 815,199</b>

**Notes:**

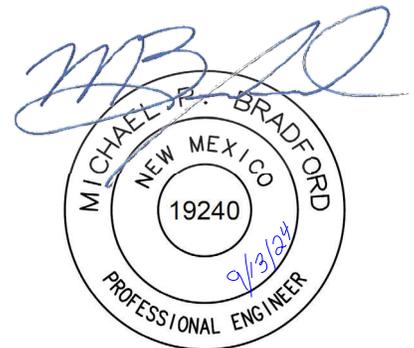
1. Phase I closure costs are based on the 2024 RSMeans Data and previous experiences with landfills located in arid climate.
2. Assume 1,000 gallons of residual water in each pond transported up to 50 miles for disposal.
3. Assume 6" of sludge remaining in each pond at closure transported up to 50 miles for disposal.
4. Site Sampling is conducted during the CQA phase.
5. Assume all soils necessary are available on-site.

**TABLE 6  
PROCESS AREA MAINTENANCE  
POST-CLOSURE COST ESTIMATE**

<b>TASK 5.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost Per Year</b>	<b>Total Cost For 3 Years</b>
<b>5.1 Surface Inspection and Reporting</b>					
5.1.1 Inspection	2	events/yr	\$3,500	\$7,000	\$21,000
5.1.2 Recordkeeping and Reporting	2	events/yr	\$1500	\$3000	\$9,000
<b>Task Subtotals</b>				<b>\$10,000</b>	<b>\$30,000</b>
<b>5.2 Surface Maintenance</b>					
5.2.1 Cover Maintenance	1	AC/yr	\$1,000	\$1,000	\$3,000
5.2.2 Vegetation	2	AC/yr	\$1,500	\$3,000	\$9,000
<b>Task Subtotals</b>				<b>\$4,000</b>	<b>\$12,000</b>
<b>5.3 Fencing</b>					
5.3.1 Inspection/Repairs	2	events/yr	\$600	\$1,200	\$3,600
<b>Task Subtotals</b>				<b>\$1,200</b>	<b>\$3,600</b>
<b>TASK TOTALS</b>				<b>\$15,200</b>	<b>\$45,600</b>
<b>Independent Project Manager and Contract Administration Cost (@ 10%)</b>				\$1520	\$4,560
<b>TOTAL COST</b>				<b>\$16,720</b>	<b>\$50,160</b>

**Notes:**

1. Phase I closure costs are based on the 2024 RSMeans Data and previous experiences with landfills located in arid climates.
2. AC = Acre  
LS = Lump Sum



## **APPENDIX D**

Approved June 16, 2014 application documents

## **APPENDIX E**

Approved April 20, 2015 Minor Permit Amendment

**NM1-57**

**Minor  
Modification**

**4/20/15**



New Mexico Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**David Catanach**, Director  
Oil Conservation Division



April 20, 2015

Mike Little  
DNCS Properties, LLC  
3 Waterway Square Place, Suite 110  
The Woodlands, Texas 77380

**RE: Surface Waste Management Facility Permit NM1-57. South/2 of Section 31, Township 17 South, Range 33 East and North/2 of Section 6, Township 18 South, Range 33 East NMPM; Lea County, New Mexico**

Mr. Little,

The Oil Conservation Division (OCD) is in receipt of your application (OCD Form C-137) with attachment dated April 10, 2015 regarding a modification to Permit NM1-57 as the ownership structure of DNCS Properties has changed. OCD considers such a change to be a minor modification as defined under 19.15.36.7 B.(10) NMAC. This modification is hereby approved. All future communication regarding this permit will be directed to the address provided by you in the application.

Respectfully,



Jim Griswold  
*Environmental Bureau Chief*

cc: Bryce Karger





WASTE CONNECTIONS, INC.  
*Connect with the Future®*

RECEIVED OGD  
2015 APR 13 P 2: 07

April 10, 2015

Allison R. Marks  
Office of the General Counsel  
New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Application for Surface Waste Management Facility  
DNCS Properties, LLC

Dear Ms. Marks,

Please find enclosed New Mexico Form C-137, Application for Surface Waste Management Facility for DNCS Properties, LLC.

If you have any questions, please feel free to call Rob Cloninger at 832.442.2200.

Sincerely,

Ree Adams  
Administrative Assistant  
Engineering Department  
832.442.2209  
[reea@wcnx.org](mailto:reea@wcnx.org)

Enc/



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For State Use Only:

Form C-137  
Revised August 1, 2011

Submit 1 Copy to Santa Fe Office

## APPLICATION FOR SURFACE WASTE MANAGEMENT FACILITY

*A meeting should be scheduled with the Division's Santa Fe office Environmental Bureau prior to pursuing an application for a surface waste management facility in order to determine if the proposed location is capable of satisfying the siting requirements of Subsections A and B of 19.15.36.13 NMAC for consideration of an application submittal.*

1. Application:  New  Modification  Renewal
2. Type:  Evaporation  Injection  Treating Plant  Landfill  Landfarm  Other
3. Facility Status:  Commercial  Centralized
4. Operator: **DNCS PROPERTIES, LLC**
- Address: **3 Waterway Square Place, Suite 110, The Woodlands, Texas 77381**
- Contact Person: **Mike Little** Phone: **(832) 442-2200**
5. Location: **South ½ of Section 31, Township 17 South, Range 33 East and North ½ of Section 6, Township 18 South, Range 33 East NMPM**
6. Is this an existing facility?  Yes  No If yes, provide permit number **NM1-57**
7. Attach the names and addresses of the applicant and principal officers and owners of 25 percent or more of the applicant. Specify the office held by each officer and identify the individual(s) primary responsible for overseeing management of the facility. **Attached hereto.**
8. Attach a plat and topographic map showing the surface waste management facility's location in relation to governmental surveys (quarter-quarter section, township and range); highways or roads giving access to the surface waste management facility site; watercourses; fresh water sources, including wells and springs; and inhabited buildings within one mile of the site's perimeter. **No change from last C-137 filing.**
9. Attach the names and addresses of the surface owners of the real property on which the surface waste management facility is sited and surface owners of the real property within one mile of the site's perimeter. **No change from last C-137 filing.**
10. Attach a description of the surface waste management facility with a diagram indicating the location of fences and cattle guards, and detailed construction/installation diagrams of pits, liners, dikes, piping, sprayers, tanks, roads, fences, gates, berms, pipelines crossing the surface waste management facility, buildings and chemical storage areas. **No change from last C-137 filing.**
11. Attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation and disposal method and detailed designs of surface impoundments. **No change from last C-137 filing.**
12. Attach a plan for management of approved oil field wastes that complies with the applicable requirements contained in 19.15.36.13, 19.15.36.14, 19.15.36.15 and 19.15.36.17 NMAC. **No change from last C-137 filing.**
13. Attach an inspection and maintenance plan that complies with the requirements contained in Subsection L of 19.15.36.13 NMAC. **No change from last C-137 filing.**

14. Attach a hydrogen sulfide prevention and contingency plan that complies with those provisions of 19.15.3.118 NMAC that apply to surface waste management facilities. **No change from last C-137 filing.**
15. Attach a closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, safety and the environment (the closure and post closure plan shall comply with the requirements contained in Subsection D of 19.15.36.18 NMAC). **No change from last C-137 filing.**
16. Attach a contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act). **No change from last C-137 filing.**
17. Attach a plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC. **No change from last C-137 filing.**
18. In the case of an application to permit a new or expanded landfill, attach a leachate management plan that describes the anticipated amount of leachate that will be generated and the leachate's handling, storage, treatment and disposal, including final post closure options. **No change from last C-137 filing.**
19. In the case of an application to permit a new or expanded landfill, attach a gas safety management plan that complies with the requirements of Subsection O of 19.15.36.13 NMAC. **No change from last C-137 filing.**
20. Attach a best management practice plan to ensure protection of fresh water, public health, safety and the environment. **No change from last C-137 filing.**
21. Attach a demonstration of compliance with the siting requirements of Subsections A and B of 19.15.36.13 NMAC. **No change from last C-137 filing.**
22. Attach geological/hydrological data including: **No change from last C-137 filing.**
  - (a) a map showing names and location of streams, springs or other watercourses, and water wells within one mile of the site;
  - (b) laboratory analyses, performed by an independent commercial laboratory, for major cations and anions; benzene, toluene, ethyl benzene and xylenes (BTEX); RCRA metals; and total dissolved solids (TDS) of ground water samples of the shallowest fresh water aquifer beneath the proposed site;
  - (c) depth to, formation name, type and thickness of the shallowest fresh water aquifer;
  - (d) soil types beneath the proposed surface waste management facility, including a lithologic description of soil and rock members from ground surface down to the top of the shallowest fresh water aquifer;
  - (e) geologic cross-sections;
  - (f) potentiometric maps for the shallowest fresh water aquifer; and
  - (g) porosity, permeability, conductivity, compaction ratios and swelling characteristics for the sediments on which the contaminated soils will be placed.
23. In the case of an existing surface waste management facility applying for a minor modification, describe the proposed change and identify information that has changed from the last C-137 filing. **See attached.**
24. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, safety or the environment and that the surface waste management facility will comply with division rules and orders

25. CERTIFICATION

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name: James M Little

Title: Senior Vice President – Engineering and Disposal

Signature: 

Date: April 10, 2015

E-mail Address: jiml@wcnx.org

**Attachments to Form C-137**  
**Application for Minor Modification**

7. Attach the names and addresses of the applicant and principal officers and owners of 25 percent or more of the applicant. Specify the office held by each officer and identify the individual(s) primary responsible for overseeing management of the facility.

**Applicant:** DNCS Properties, LLC, 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

**Principal Officers:**

<b><u>Name</u></b>	<b><u>Title</u></b>	<b><u>Address</u></b>
Ronald J. Mittelstaedt	Chief Executive Officer	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Steven F. Bouck	President	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Worthing F. Jackman	Executive Vice President – Chief Financial Officer	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Darrell Chambliss	Executive Vice President – Chief Operating Officer	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
James M. Little	Senior Vice President – Engineering and Disposal	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Patrick J. Shea	Senior Vice President, General Counsel and Secretary	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Robert A. Nielsen III	Regional Vice President	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
William Maak	Regional Controller	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Jeffrey Burrier*	Vice President – Engineering and Operations	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380
Michael Little*	Vice President – Operations	3 Waterway Square Place, Suite 110 The Woodlands, Texas 77380

\* Individual(s) with primary responsibility for overseeing management of the facility.

**Owner of 25 percent or more of the applicant:** R360 Permian Basin, LLC, a New Mexico limited liability, owns 100% of the applicant. R360 Permian Basin, LLC's address is 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

23. In the case of an existing surface waste management facility applying for a minor modification, describe the proposed change and identify information that has changed from the last C-137 filing.

**Describe the proposed change:**

1. Updating the "Address", "Contact Person" and "Phone" information in Item 4.
2. Updating the information requested in Item 7.

**Identify information that has changed from the last C-137 filing:**

1. Updating the "Address", "Contact Person" and "Phone" information in Item 4.
2. Updating the information requested in Item 7.