



Ameredev II, LLC

2901 Via Fortuna Suite 600 • Austin, Texas 78746 • Phone (737) 300-4700

October 31, 2023

NM Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: Closure Report  
Incident ID: NCS2003549670  
Project ID # 20191218-1400-water  
Location: Ike's Recycling Containment #1

Ameredev II, LLC respectfully requests closure of the regulatory file for incident number NCS2003549670.

The release occurred on 12/18/2019 at 14:00 hours on surface owned by Washington Crossing Field Serv. LLC (Amerdev). The cause of the release was due to a valve on a water transport truck that became disconnected while filling an Above Ground Recycling Containment.

The location of the release is 32.020198, - 103.2608245 (Latitude/Longitude; NAD 83); Unit Letter D, Sec 27, T26S., R36E; Lea County.

Excavation of impacted soil began on December 19, 2019 and was completed on December 21, 2019. The release extent was remediated to meet 19.15.29 NMAC Table 1 Closure Criteria with the exception of W-04, W-05 (located along the recycling AST south wall) and W-06 (located along the western wall of the secondary liner containment). Figure 1 shows the two wall sample locations that were deferred (reproduced from the March 6, 2020 remediation report). Due to the risk of major facility deconstruction, remediation deferral for these portions of the release extent was requested. Approval from NMOCD was granted on 5/26/2020. Email confirmation of approval is included in Appendix A. The signed C-141 is located in the NMOCD online image database under the incident number.

Incident ID: NCS2003549670  
Project ID # 20191218-1400-water  
Ike's Recycling Containment #1

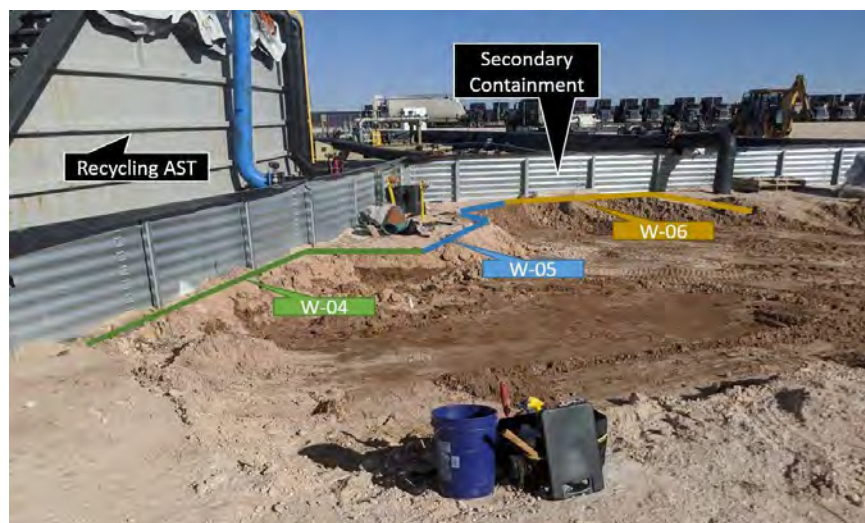


Figure 1: Photo of wall deferral locations along recycling and secondary containments.  
Date/Time: 2019-12-20 13:54:43. GPS: 32.0205694 N, 103.2609444 W

## Supplemental Siting Criteria

A recent depth-to-water borehole is mapped on Exhibit 1:

- MISC-425 (J-00062 POD 1) is located approximately 757 ft south of the release extent. Depth to water is noted to be > 101 ft. This borehole has been plugged. Well log is located in Appendix B.

Updated wellhead protection is mapped on Exhibit 2 revealing a water well within ½ mile of the release extent (but greater than 1000 ft from release extent).

- MISC-438 (J-00025 POD 2) is located approximately 1302 ft northwest of the release. Location was corrected from OSE data based on aerial imagery and visual confirmation. Well log information is located in Appendix B.
- An abandoned windmill is located approximately 2114 ft southeast of release.

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## Closure Criteria and Delineation Data

Analysis of sample data obtained following the 2019 remediation activities shows that confirmation sample points met closure criteria per Table 1 of 19.15.29.12 NMAC for the release area on an active production site that is in use for oil and gas operations, where depth to water is > 100 ft:

- Chloride < 20,000 mg/kg
- TPH (GRO + DRO + MRO) < 2,500 mg/kg
- TPH (GRO + DRO) < 1,000 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

Plates 2a and 2b reproduced from RT Hicks 2020 approved deferral request submission, show base grids and wall grids with associated chloride results (constituent of concern) from laboratory analytical from the 12/2019 remediation and confirmation sampling activities.

Deconstruction of the AST was completed late 09/2023.

Delineation sample points were obtained to define horizontal release extent in the footprint under the deconstructed containment. Sample point locations are shown in Exhibit 3. Sampling notification is located in Appendix A.

## Delineation Sample Point Coordinates

Sample Point	Latitude	Longitude
CS-North	32.0206539	-103.2607925
CS-Northeast	32.0206791	-103.2607442

Post AST deconstruction soil samples were obtained to provide horizontal delineation of the deferral area. CS-North and CS-Northeast sample analytical met most stringent closure criteria per Table 1 of 19.15.29.12 NMAC:

- Chloride < 600 mg/kg
- TPH (GRO + DRO + MRO) < 100 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

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Summary of analytical is documented in Table A. Laboratory Certificates of Analysis is located in Appendix C.

Confirmation sampling indicates that constituents of concern meet Closure Criteria for areas in-use on an active production pad for oil and gas operations. Final remediation and reclamation shall take place in accordance with 19.15.29.13.A-D. NMAC when the production site is no longer in-use for oil and gas operations.

Sincerely,



Andrew Parker  
Environmental Scientist



Ameredev II, LLC

Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) **Not applicable.**
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: October 31, 2023

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

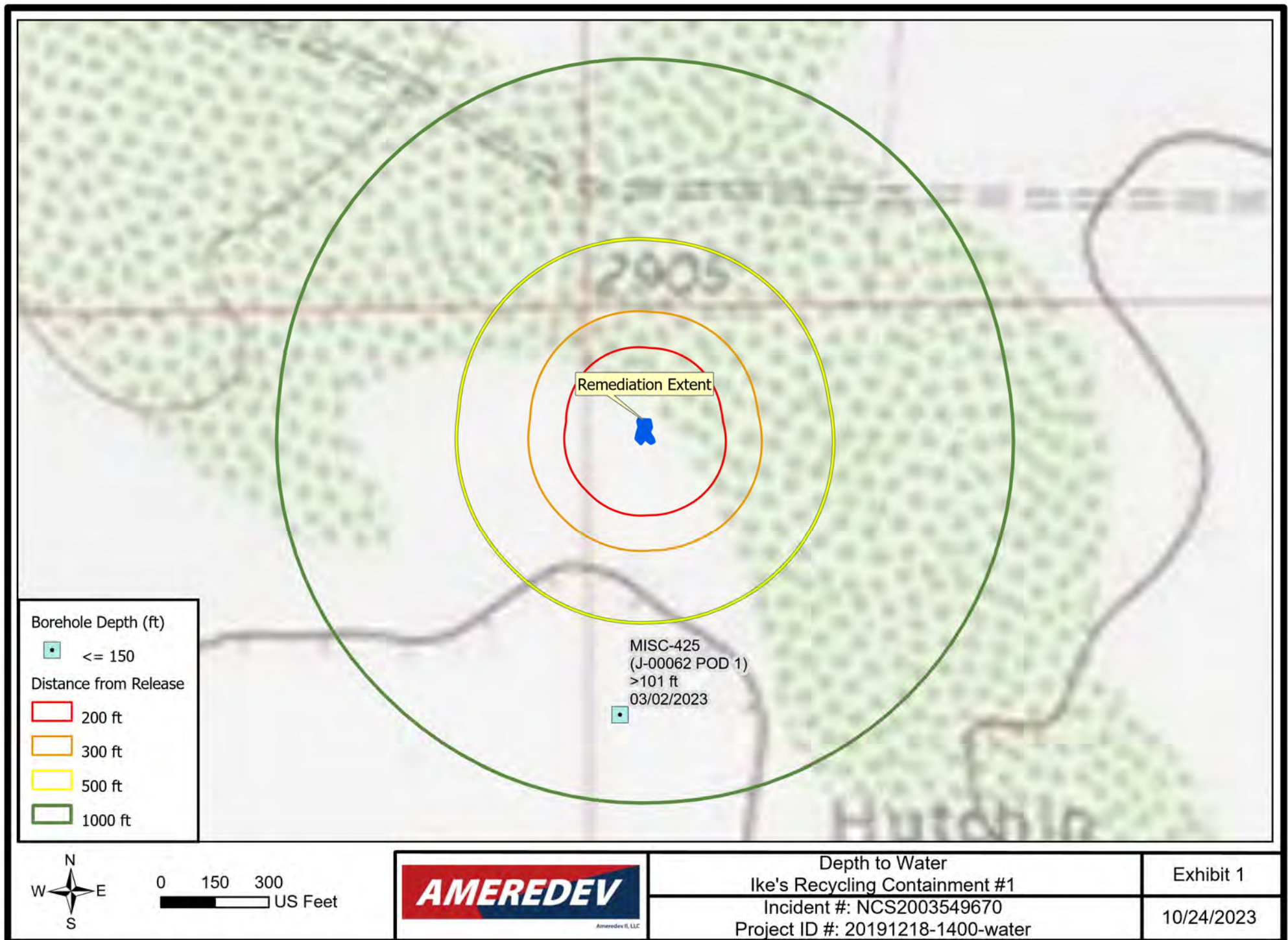
Title: \_\_\_\_\_

# Exhibits

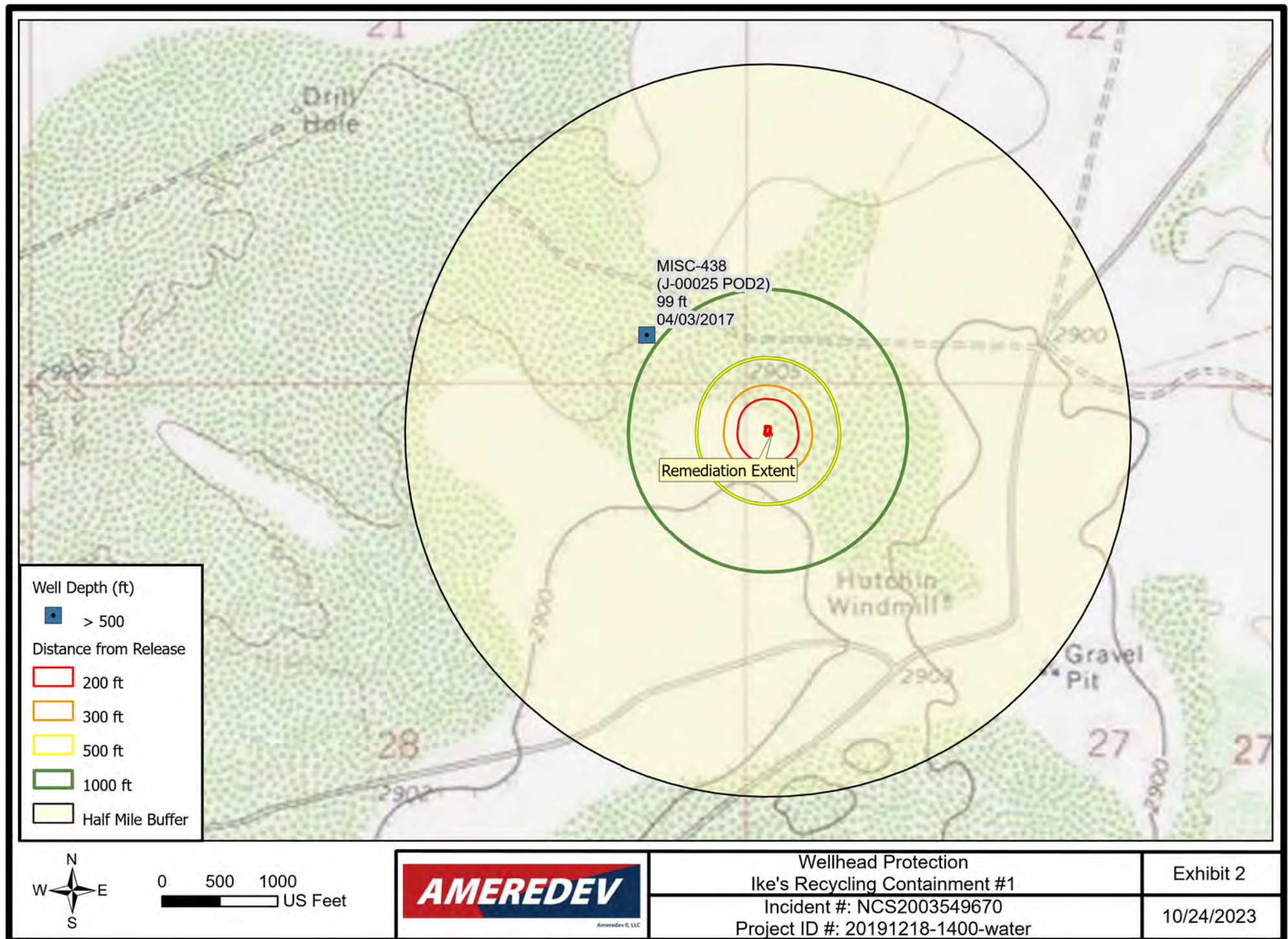


Ameredev II, LLC

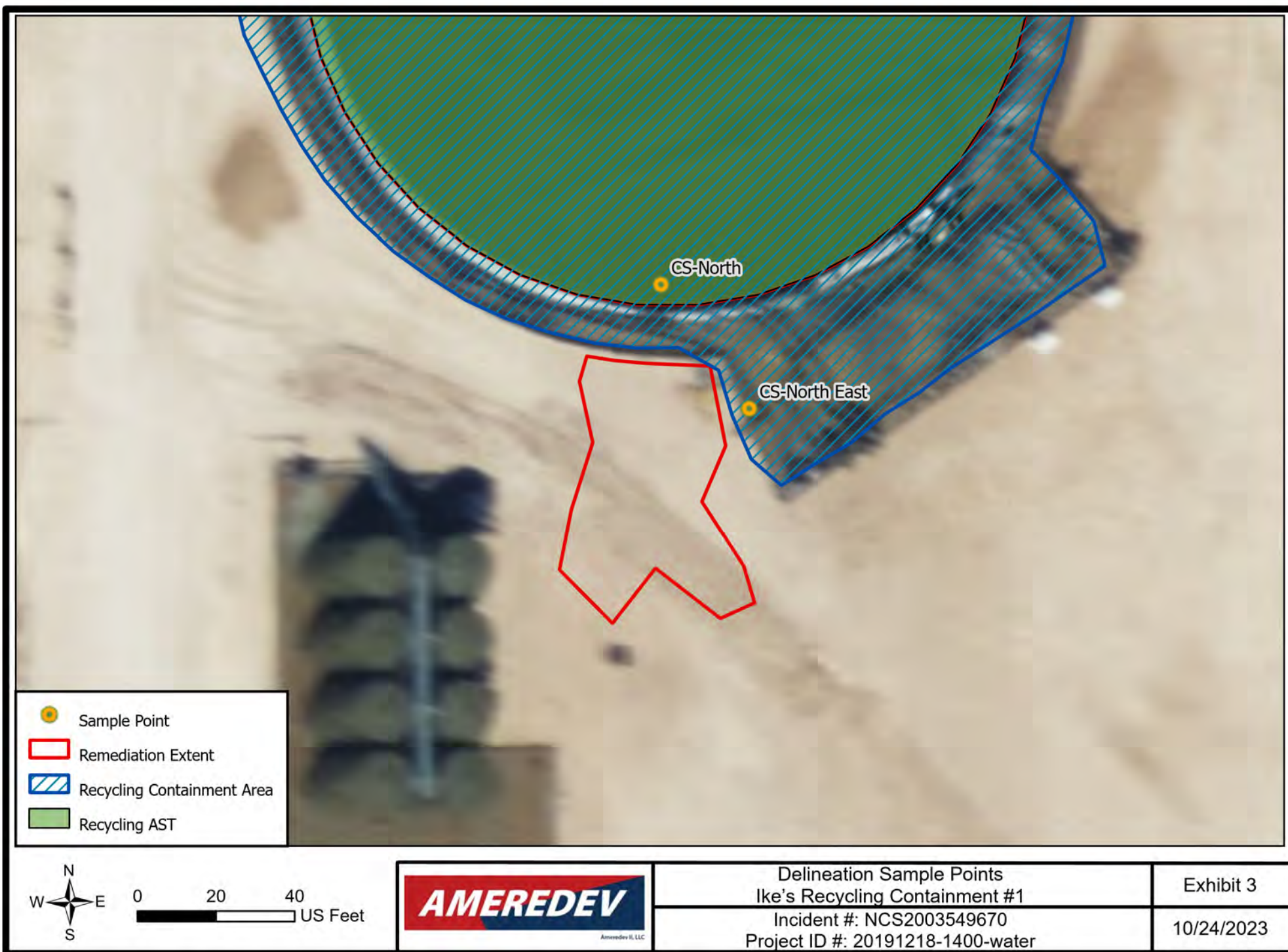










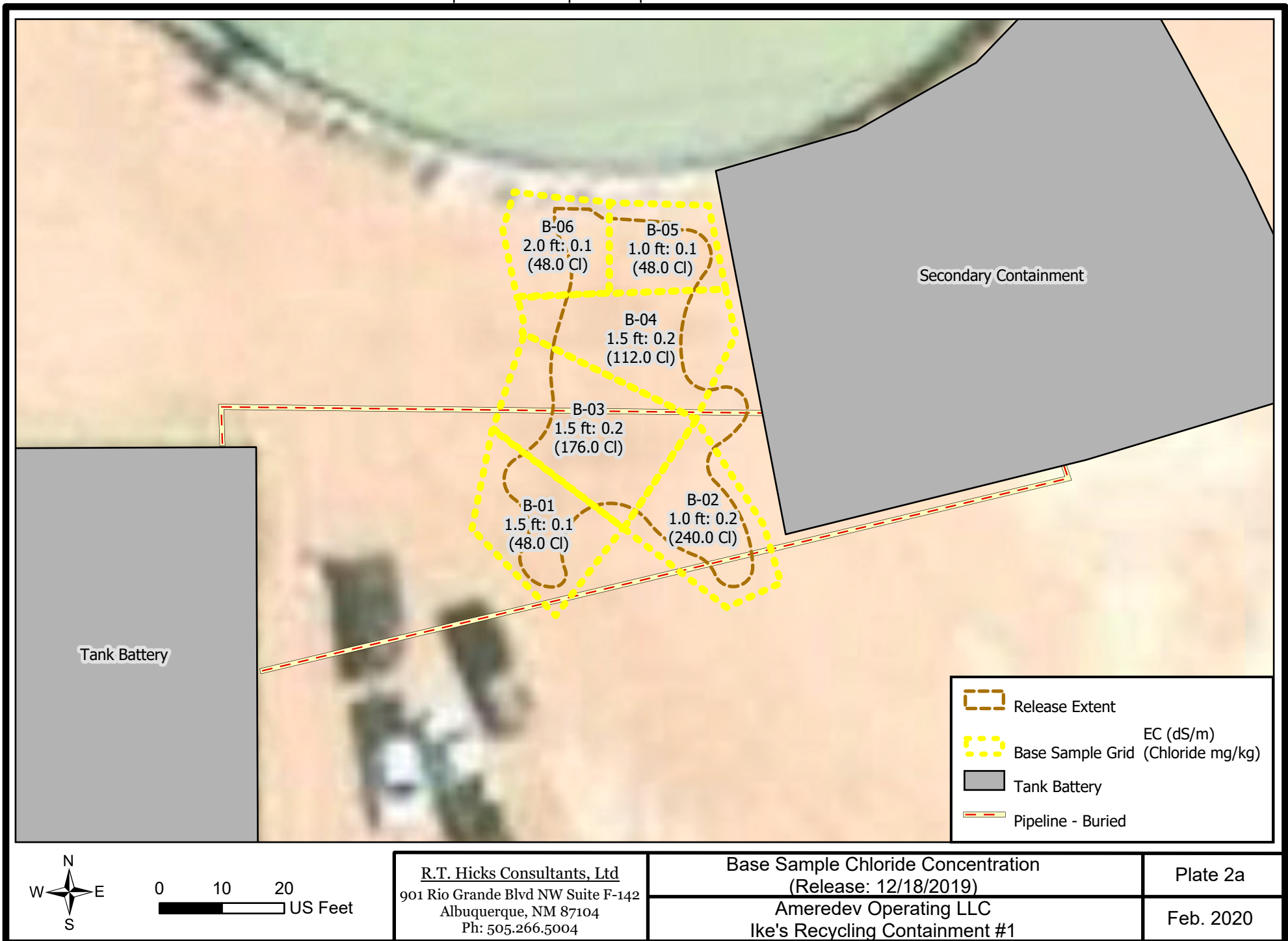


# Plates



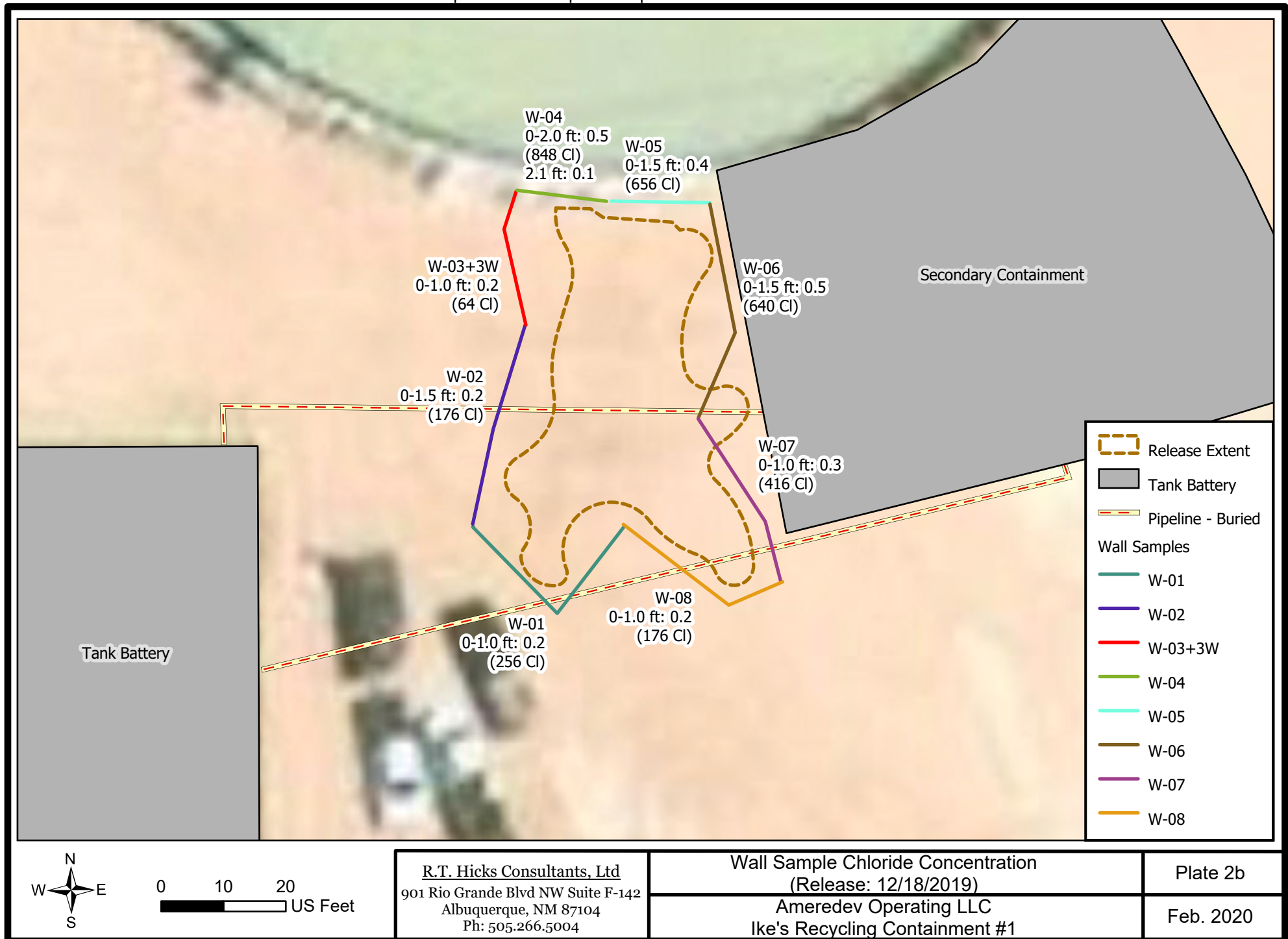
Ameredev II, LLC

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# Tables



Ameredev II, LLC

October 25, 2023

Table A  
Summary of AnalyticalIncident ID: NCS2003549670  
Project ID # 20191218-1400-water  
Ike's Recycling Containment #1

Sample ID	Date	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"					600	--	100	10	50			
> 4 ft or "in-use"					20,000	1,000	2,500	10	50			
CS-North	10/17/2023	0	1	In Use	80	<20	<30	<0.05	<0.3	Delineation	Cardinal	H235673
CS-North East	10/17/2023	0	1	In Use	320	<20	<30	<0.05	<0.3	Delineation	Cardinal	H235673

# Appendix A

## Communications



Ameredev II, LLC

**From:** [Eads, Cristina, EMNRD](#)  
**To:** ["andrew@rthicksconsult.com"](mailto:andrew@rthicksconsult.com)  
**Cc:** [Mike EMNRD Bratcher \(mike.bratcher@state.nm.us\)](mailto:mike.bratcher@state.nm.us); [Robert EMNRD Hamlet \(Robert.Hamlet@state.nm.us\)](mailto:Robert.Hamlet@state.nm.us); [Victoria EMNRD Venegas \(Victoria.Venegas@state.nm.us\)](mailto:Victoria.Venegas@state.nm.us)  
**Subject:** NCS2003549670 IKE"S RECYCLING CONTAINMENT #1 @ D-27-26S-36E ON OE  
**Date:** Tuesday, May 26, 2020 2:14:00 PM  
**Attachments:** [\(C-141 Deferral\) NCS2003549670.pdf](#)  
[image002.png](#)

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**NCS2003549670 IKE'S RECYCLING CONTAINMENT #1 @ D-27-26S-36E ON OE**

Andrew,

The OCD has approved the Deferral Request for incident # NCS2003549670. The signed C-141 can be found in the online image database under the incident #.

Thanks,

**Cristina Eads**

*Environmental Bureau*

*EMNRD – Oil Conservation Division*

5200 Oakland Avenue NE, Suite 100

Albuquerque, New Mexico 87113

505.670-5601

email: [Cristina.Eads@state.nm.us](mailto:Cristina.Eads@state.nm.us)



**OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.**



## Laura Parker

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Friday, October 13, 2023 10:07 AM  
**To:** Laura Parker  
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD  
**Subject:** RE: [EXTERNAL] NCS2003549670 Ike's Recycling Containment #1 Sampling Notice

Hi Laura,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

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**From:** Laura Parker <lparker@ameredev.com>  
**Sent:** Friday, October 13, 2023 9:04 AM  
**To:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] NCS2003549670 Ike's Recycling Containment #1 Sampling Notice

Tuesday October 17<sup>th</sup>, 10 am

Laura Parker  
Environmental Specialist  
505-270-8647



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**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Friday, October 13, 2023 9:56 AM  
**To:** Laura Parker <[lparker@ameredev.com](mailto:lparker@ameredev.com)>  
**Subject:** RE: [EXTERNAL] NCS2003549670 Ike's Recycling Containment #1 Sampling Notice

Good morning Laura,

So when exactly are you planning to sample? A date and time needs to be provided.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

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**From:** Laura Parker <[lparker@ameredev.com](mailto:lparker@ameredev.com)>  
**Sent:** Friday, October 13, 2023 7:25 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] NCS2003549670 Ike's Recycling Containment #1 Sampling Notice

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

NMOCD,

Please accept this email as the 2 business day sampling notice for Incident # NCS2003549670 per 19.15.29 NMAC. With NMOCD approval, the incident was deferred until AST decommissioning. Soil samples collected for the delineation/characterization of the deferred area under the former AST may also be used as confirmation samples for the incident and for closure of the AST site.

Please contact me with any questions.

Laura Parker  
Environmental Specialist  
505-270-8647

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 Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Ameredev Operating, LLC	OGRID 372224
Contact Name Shane M <sup>c</sup> Neely	Contact Telephone 737-300-4729
Contact email smcneely@amerdev.com	Incident # (assigned by OCD) NCS2003549670
Contact mailing address 5707 Southwest Pkwy, Bldg 1. Austin, TX 78735	

### Location of Release Source

Latitude 32.0202198 Longitude -103.2608245  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ike's Recycling Containment #1	Site Type Recycling Containment
Date Release Discovered 12/18/2019 at 14:00hrs	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	27	26S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Washington Crossing Field Serv. LLC (Amerdev) )

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 21.5 (see attached calc)	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Valve on water transport truck become disconnected while filling the west above ground recycling containment.

Form C-141

Page 2

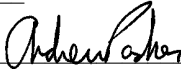
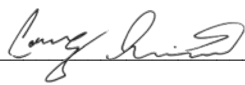
State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  Produced water soaked into the production pad upon release. Excavation of impacted material began on the morning of Dec. 19, 2019. Material was transported to an approved disposal facility.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Andrew Parker on the behalf of Amerdev Operating</u> Title: <u>Sr. Env. Specialist</u> Signature: <u></u> Date: <u>12/20/2019</u> email: <u>andrew@rthicksconsult.com</u> Telephone: <u>970-570-9535</u>
<b><u>OCD Only</u></b> Received by: <u></u> Date: <u>2/4/2020</u>



Ameredev Operating  
Ike's Recycling Containment #1

Spill Dimensions to Volume of Release

Input	Area	[feet^2]	2294.0
	Area	[yrds^2]	254.9
Input	Depth of impacted area	[feet]	1.50
Input	Porosity: typically is .35 to .40 for most soils	[ - ]	0.35

Output	volume of affected soil	[feet^3]	3441.0
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Input	Proportion of porosity filled with release fluid [0,1]	[ - ]	0.10
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Output	volume of fluid	[feet^3]	120.4
		[gal]	900.9
		Barrels	21.5



Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>163</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <b><u>Plate 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? <b><u>Plate 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <b><u>Plate 7</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? <b><u>Plate 5</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <b><u>Plates 5 &amp; 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <b><u>Plate 5</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <b><u>Plate 8</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <b><u>Plate 9</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <b><u>Plate 10</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <b><u>Plate 11</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site? <b><u>(Plate 2a &amp; 2b)</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Andrew Parker on the behalf of Amerdev Operating Title: Sr. Env. Specialist

Signature:  Date: 03/06/2020

email: andrew@rthicksconsult.com Telephone: 970-570-9535

**OCD Only**

Received by: Cristina Eads Date: 04/14/2020

Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

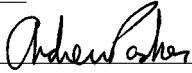
- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Andrew Parker on the behalf of Amerdev Operating Title: Sr. Env. Specialist

Signature:  Date: 03/06/2020

email: andrew@rthicksconsult.com Telephone: 970-570-9535

**OCD Only**

Received by: Cristina Eads Date: 04/14/2020

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature:  Date: 05/26/2020



Incident ID	NCS2003549670
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Andrew Parker on the behalf of Amerdev Operating Title: Sr. Env. Specialist

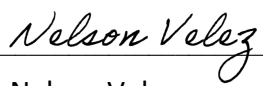
Signature:  Date: 03/06/2020

email: andrew@rthicksconsult.com Telephone: 970-570-9535

### OCD Only

Received by: Cristina Eads Date: 05/26/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 02/20/2024

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

# Appendix B

## Well Logs



Ameredev II, LLC



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
[www.atkinseng.com](http://www.atkinseng.com)

March 9, 2023

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record J-00062 POD-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, J-0062 POD-1

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

2023 MAR 14 PM 2:02



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). J-00062			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES 32 LATITUDE	MINUTES 1	SECONDS 5.98 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	15	39.71 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW NW NW Sec.27 T26S R36E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/21/23	DRILLING ENDED 2/21/23	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		DATE STATIC MEASURED 3/2/2023	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 101		6.25"	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	24	24	Sand, very fine-grained, poorly graded, unconsolidated, Brown /Tan	Y    ✓ N	
	24	45	21	Sand, very fine-grained, poorly graded, slight consolidated, Tan	Y    ✓ N	
	45	101	56	Sand, fine-grained, poorly graded, unconsolidated, Tan	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Removed temporary well material from soil boring, backfilled with drill cutting from total depth to 10 feet below ground surface, then placed hydrated bentonite from 10 feet to ground surface. See attached plugging record. DTW-17					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  <div style="display: flex; justify-content: space-between;"> <div>               SIGNATURE OF DRILLER / PRINT SIGNEE NAME           </div> <div>             Jackie D. Atkins              DATE           </div> <div>             3/9/2023           </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 01/28/2022)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 2 OF 2



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: J-00062 POD-1  
 Well owner: Ameredev Operating, LLC Phone No.: 737-300-4700  
 Mailing address: 2901 Via Fortuna Suite 600  
 City: Austin State: Texas Zip code: 78746

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 3/2/2023 Date well plugging concluded: 3/2/2023
- 5) GPS Well Location: Latitude: 32 deg, 1 min, 5.98 sec  
 Longitude: 103 deg, 15 min, 39.71 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),  
 by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1/26/23
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



- For each interval plugged, describe within the following columns:**

**III. SIGNATURE:**

Jack Atkins

3/9/23

Date \_\_\_\_\_






# 17-Well Record and Log-packet-forsign

Final Audit Report

2023-03-09

Created:	2023-03-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAzXuzWP53KQ1xK_g3D901wUVwqrF0rJrW

## "17-Well Record and Log-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)  
2023-03-09 - 5:46:44 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature  
2023-03-09 - 5:49:37 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)  
2023-03-09 - 7:24:12 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)  
Signature Date: 2023-03-09 - 7:24:27 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.  
2023-03-09 - 7:24:27 PM GMT



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

702 APR -7 PM 12:57

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) J-25 Pod # 2				OSE FILE NUMBER(S) J-25			
	WELL OWNER NAME(S) Brad Beckham				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS po box 1203				CITY STATE ZIP Jal NM 88252			
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LATITUDE	32	01				18 N
	LONGITUDE	103	15	49 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE sw/4se/4se/4 sec 21 T26s 36e 1/4 mile south of existing oil well								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-331		NAME OF LICENSED DRILLER Joel Stewart			NAME OF WELL DRILLING COMPANY Stewart Brothers Drilling Co		
	DRILLING STARTED 3-16-17		DRILLING ENDED 4-3-17		DEPTH OF COMPLETED WELL (FT) 800		BORE HOLE DEPTH (FT) 810	
	COMPLETED WELL IS:		<input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)			DEPTH WATER FIRST ENCOUNTERED (FT) unk		
	DRILLING FLUID:		<input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD			ADDITIVES - SPECIFY:		
	DRILLING METHOD:		<input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:			STATIC WATER LEVEL IN COMPLETED WELL (FT) 99		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	26	steel	n/a	20	.250	
	0	287	17 1/2	steel	welded	12	.312	
	287	800	17 1/2	steel slotted screen	welded	12	.312	.050
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	810	260	17 1/2	8-16 silica sand	540	tremic		
	260	250	17 1/2	bentonite pellets	8	tremic		
	250	0	17 1/2	neat cement	250	tremic		

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 10/29/15)

FILE NUMBER	J-25	POD NUMBER	2	TRN NUMBER	55820
LOCATION	Com	26S.36E.21.443			PAGE 1 OF 2

STATE OF NEW YORK  
COUNTY OF ALBANY

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	105	105	red brown silt and sand	Y ✓ N	
	105	120	15	tan siltstone	Y ✓ N	
	120	490	370	red brown silt and fine sand	Y ✓ N	
	490	600	110	brown sand and clay	Y ✓ N	
	600	760	160	tan sand and gravel	Y N	
	760	800	40	gray clay	Y N	
	800	810	10	red brown clay	Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

**5. TEST; RIG SUPERVISION**

**WELL TEST**      TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

---

MISCELLANEOUS INFORMATION:

---

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:  
W L Brunson

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

**6. SIGNATURE**

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

W L Brunson

DATE: 4 7 17

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 10/29/2015)	
FILE NUMBER	J-25	POD NUMBER	2
LOCATION	Com	TRN NUMBER	515820
265.36E.21.443		PAGE 2 OF 2	

# Appendix C

## Certificates of Analysis



Ameredev II, LLC



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 20, 2023

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: IKE'S RECYCLING CONTAINMENT

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	IKE'S RECYCLING CONTAINMENT	Sampling Condition:	Cool & Intact
Project Number:	20191218-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: CS - NORTH 0-1FT (H235673-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/18/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	IKE'S RECYCLING CONTAINMENT	Sampling Condition:	Cool & Intact
Project Number:	20191218-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: CS - NORTH EAST 0-1FT (H235673-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13		
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/18/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amevadev LLC</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <u>Andrew Parker</u>				P.O. #: <u>20191218-1400-water</u>				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride</div> <div>TPH (GRO + DRO + MRO)</div> <div>BTEX (Benzene)</div> </div>																			
Address: <u>On-File</u>				Company: <u>Amevadev LLC</u>																							
City: _____ State: _____ Zip: _____				Attn: <u>aparker@amevadev.com</u>																							
Phone #: _____ Fax #: _____				Address: _____																							
Project #: _____ Project Owner: _____				City: _____																							
Project Name: <u>20191218-1400-water</u>				State: _____ Zip: _____																							
Project Location: <u>1ke's Recycling Containment</u>				Phone #: _____																							
Sampler Name: <u>Christopher Turner</u>				Fax #: _____																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(S)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
<u>H235673</u>																											
<u>1 CS-North 0-1ft</u>		<u>0-1ft</u>		<u>G</u>		<u>1</u>						<u>✓</u>		<u>12/17/23 10:42</u>													
<u>2 CS-NorthEast 0-1ft</u>		<u>0-1ft</u>		<u>↓</u>		<u>↓</u>						<u>↓</u>		<u>12:20</u>													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>		Date: <u>10.17.2023</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: <u>1448</u>		Time: <u>1448</u>		Time: _____		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>TEMP BLANK: 1.72 [Signature]</u>	
Time:		Time:		Time:		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Delivered By: (Circle One)		Observed Temp. °C: <u>3.32</u>		Sample Condition		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
				CHECKED BY: <u>[Signature]</u>		Thermometer ID #140	
						Correction Factor 0°C	
						Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

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**District III**  
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Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 281749

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 281749
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/20/2024