

SITE & PROGRAM AREA IDENTIFICATION				
SITE LOCATION			REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name:			Is This Site Being Managed Under A State Lead Contract? Yes No	
Address 1:			Program Area:	
Address 2:			Mail Code:	
City:		State:	Is This A New Site To This Program Area? Yes No	
Zip Code:		County:	Additional Information:	
TCEQ Region:			Additional Information:	

DOCUMENT(S) IDENTIFICATION	
PHASE OF REMEDIATION	DOCUMENT NAME
1.	
2.	
3.	
4.	
5.	

<b>CONTACT INFORMATION</b>					
I attest that all work has been done in accordance with TCEQ rules			I certify that I am aware misrepresentation of any claim is a violation.		
<b>RESPONSIBLE PARTY/APPLICANT/CUSTOMER INFORMATION (IF APPLICABLE)</b>					
<b>ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT</b>					
<b>SIGNATURES</b>					

DATABASE CODES			
Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.		4.	
2.		5.	
3.			



March 29, 2019

Project No. 30401358

**Ms. Maureen Hatfield**

Texas Commission on Environmental Quality  
MC-127  
VCP-CA Section, Team 1, Remediation Division  
P.O. Box 13087  
Austin, Texas 78711-3087

**RE: MONTHLY STATUS UPDATE – SOIL CAP AND CONCRETE CAP REPAIRS  
RESPONSE ACTION COMPLETION REPORT  
UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS FACILITY  
4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS  
POST-CLOSURE CARE PERMIT NO. HW-50343; INDUSTRIAL SWR NO. 31547**

Dear Ms. Hatfield:

Golder Associates, Inc. (Golder), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for February 2019 for the implementation of the cap repairs identified in the Updated Post-Response Action Care Report (PRACR) dated January 16, 2018 for the UPRR Houston Wood Preserving Works Facility (the Site). Monthly status updates were requested by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 20, 2018. Responses to the TCEQ comment letter dated February 6, 2019 are also provided with this letter.

A brief description of the current status of the repairs is provided below:

- Soil Cap – Repairs to the soil cap were conducted on June 12 and 13, 2018. No further actions are necessary to address the soil cap repairs.
- Concrete Cap (Englewood Intermodal Yard) – Installation of the non-aqueous phase liquid (NAPL) Collection System (detailed in the October 31, 2018 monthly status update) to address the tar-like substance seeps within parking slots B100 to B109 (for container trailers) began on January 21, 2019 and was completed on February 12, 2019. The Response Action Completion Report (RACR) summarizing the NAPL Collection System installation is attached with this letter.

Golder continues to conduct weekly inspections of the other areas within the Englewood Intermodal Yard (NAPL Collection System and parking slots B13 and B54). A monthly status update

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**Golder Associates Inc.**  
2201 Double Creek Dr, Suite 4004, Round Rock, Texas, USA 78664

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summarizing the inspections of the Englewood Intermodal Yard area will be provided by April 30, 2019.

If you have any questions or need additional information, please feel free to call me at (512) 671-3434 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

**Golder Associates Inc.**



Eric C. Matzner, P.G.  
*Program Leader/ Associate*

ECM

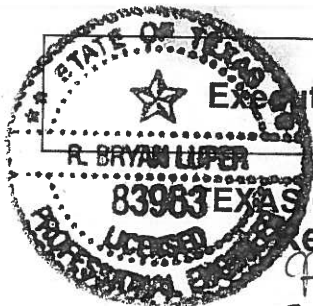
CC: Mr. Kevin Peterburs, UPRR – Milwaukee, WI  
Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12 Office,  
Houston

Attachment Response Action Completion Report – March 26, 2019

j:\1358 - uprr houston preserving works\prac\tceq comment letter\houston, tx - wood preserving works - swr 31547 - monthly status update - cap repairs  
20190329.docx

**ATTACHMENT**





## Executive Summary

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ID No. SWR No. 31547

Report Date:  
03/26/2019

## COMMISSION ON ENVIRONMENTAL QUALITY Response Action Completion Report

*R. Bryan Luper*  
3-29-19  
Cover Page

Regulatory ID number (Solid waste registration number, VCP ID number, etc) SWR No. 31547

check one: Initial RACR submittal for this on-site property ☒ Subsequent RACR submittal

Report date: March 26, 2019 TCEQ Region No.: 12

### TCEQ Program (check one)

☒ Corrective Action (Mail Code 127)

☐ Superfund PRP Lead (Mail Code 143)

☐ Voluntary Cleanup Program (Mail Code 221)

☐ Municipal Solid Waste Permits (Mail Code 124)

☐ Petroleum Storage Tank Program (Mail Code 137)

### On-Site Property Information

On-Site Property Name: Union Pacific Railroad Houston Wood Preserving Works

Street no. 4910 Pre dir:    Street name Liberty Street type: Road Post dir:   

City: Houston County: Harris County Code: 101 Zip: 77007

Nearest street intersection or location description: Site is located south of Liberty Rd. between Kashmere St. and Lockwood St. and north of Lee St.

Latitude: Decimal Degrees (circle one) North 29.78421389

Longitude: Decimal Degrees (circle one) West 95.32083333

### Off-Site Affected Property Information

Off-Site Affected Property Name:   

Street no.    Pre dir:    Street name:    Street type:    Post dir:   

City:    County:    County Code:    Zip:   

☐ Check if there are no off-site properties affected

### Contact Person Information and Acknowledgement

Person (or company) Name: Union Pacific Railroad

Contact Person: Kevin Peterburs Title: Manager, Site Remediation

Mailing Address: 4823 N 119<sup>th</sup> Street

City: Milwaukee State: WI Zip: 53225 E-mail address kipeterb@up.com

Phone: 414-267-4164 Fax: 402-233-2351

By my signature below, I acknowledge the requirement of §350.2(a) that no person shall submit information to the executive director or to parties who are required to be provided information under this chapter which they know or reasonably should have known to be false or intentionally misleading, or fail to submit available information which is critical to the understanding of the matter at hand or to the basis of critical decisions which reasonably would have been influenced by that information. Violation of this rule may subject a person to the imposition of civil, criminal, or administrative penalties.

Signature of Person

*Kevin Peterburs*

Name, print: Kevin Peterburs

Date: 3/26/19

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Check the reports/forms submitted:

**Remedy Standard A**

Self-Implementation Notice Submittal date: \_\_\_\_\_

Response Action Plan - Approval date: \_\_\_\_\_

**Remedy Standard B**

X Response Action Plan - Approval date: Revision No. 3 - June 24, 2017 (under TCEQ review)

List all media (surface soil, subsurface soil, groundwater, sediment, surface water, air) that contained or contains a PCLE zone and specify the response action taken for each media. Indicate the type of removal, decontamination, physical control, or institutional control action that was used in the response action. If a media with a PCLE zone was not addressed in the response action, provide an explanation below.

Media	COCs <sup>1</sup>	Removal	Decontamination	Physical Control	Institutional Control	Modified Response Objective <sup>2</sup>		
						PMZ	WCU	TI
Surface Soil	Benzene, SVOCs, TPH, metals			X				
Subsurface Soil	Benzene, SVOCs, TPH, metals			X				

Is there a media that contains a PCLE zone that was not addressed in the response action? X yes    no

If yes, provide justification for not addressing the PCLE zone in the response action.

This Response Action Completion Report (RACR) only addresses the response actions for the non-aqueous phase liquid (NAPL) surface seeps identified in the Englewood Intermodal Yard (intermodal Yard) area. The PCLE Zones for this area are addressed in the Response Action Plan (RAP) dated June 24, 2017, Revision No.3 (PBW, 2017). The surface and subsurface soil PCLE zone in the Intermodal Yard area is currently covered with a physical barrier (concrete pavement), preventing contact and exposure.

Current land use of the on-site affected property: \_\_\_\_\_ Residential X Commercial/industrial

Projected future land use of the on-site property (if known): \_\_\_\_\_ Residential X Commercial/industrial

Explain why you believe the response action to be complete.

As discussed in the RAP (PBW, 2017), most of the Englewood Intermodal Yard, which is used for the temporary parking of trailer-mounted intermodal container boxes, has a concrete pavement cover, which prevents exposure to surface and subsurface soils in the area. As part of the post-response action care, the concrete pavement in the area of the surface and subsurface soil PCLE Zone was inspected quarterly to ensure continued on-site worker protection.

<sup>1</sup> Specify either a specific COC or, if the response action is the same for all COCs in one type, specify the type of COC (for example, VOCs, SVOCs, metals).

<sup>2</sup> If a modified groundwater response objective was used, check the type(s) of modifications.

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During the July 2017 quarterly inspection, a tar-like substance was observed surfacing through the joints and cracks in the concrete and asphalt surfaces in the area of parking slots B100 to B109 shown on the attached Figure 1 (Attachment 1C). Details of the observations were provided in the Post-Response Action Completion Report (PRACR) dated January 15, 2018 (PBW, 2018). Since the initial observation of the tar-like substance at the surface, weekly inspections of the affected area were conducted. The amount of tar surfacing each week varied depending on the ambient temperatures (i.e., greater amounts of the tar-like substance surfaced during warm weather). When significant amounts of the tar-like substance surfaced, a remediation contractor (United States Environmental Services (USES)) was notified to mobilize to the Site to remove and properly dispose of the material.

In October 2018, Golder documented the construction of test pits to evaluate the NAPL in the areas where the seeps were observed. The test pits were conducted within the primary area (slots B100-B109) and other areas (parking slots B13 and B54). Four test pits were excavated to approximately 2 feet wide, 6 feet long and 5 feet deep with a mini-excavator. Based on the test pits conducted in the area of the NAPL seeps and the frequency of the occurrence of surface seepage at the B100 to B110 parking slots, the seeps appear to be a result of the volume of the shallow NAPL within the top 3 feet bgs mobilizing during warm weather and, to relieve subsurface pressure, finding preferential pathways to the surface through the concrete pavement's expansion joints and through the cracks in the asphalt pavement.

Using the information gathered from the test pits, the proposed response action to address the seeps was to install a NAPL collection system by removing a section of asphalt or concrete cover, excavating the underlying soils, backfilling with high permeability fill, installing slotted pipe to allow the accumulation of NAPL and backfilling the remaining few feet with compacted selected fill and reinforced concrete. Preliminary design drawings were provided to the TCEQ with the August 31, 2018 monthly update (Golder, 2018). Based on a phone conversation with the TCEQ on November 20, 2018, the TCEQ granted approval to proceed with the proposed NAPL collection system was granted with the understanding that the approach was considered an interim response.

In January 2019, activities to install a NAPL collection system commenced. During the construction activities, the NAPL, which is paste-like in consistency, was observed within the top few feet below the concrete pavement and would slowly flow into the excavation (see Photographic Log – Attachment 1C). Based on these observations, the NAPL collection system should operate as designed allowing the accumulation of NAPL within the gravel and recovery from the installed sumps. To monitor the performance of the NAPL collection system, it will be inspected weekly for the first six months following installation.

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Below is a summary of the site investigation and regulatory chronology at the UPRR Former Houston Wood Preserving Works facility (listed in reverse order).

Date	Description
February 2019	Texas Commission on Environmental Quality (TCEQ) issues a comment letter dated February 6, 2019 on the Response to Comments dated January 9, 2019; Golder Associates (Golder, formerly Pastor, Behling & Wheeler, LLC (PBW)) completes the interim remedial activities by installing the non-aqueous phase liquid (NAPL) collection system; and Golder submits the Post-Response Action Completion Report (PRACR) Monthly Update to the TCEQ (February 28, 2019) that includes a response to TCEQ comment letter dated February 6, 2019. The response includes details on the proposed additional total petroleum hydrocarbon (TPH) assessment in soils at the Englewood Intermodal Yard within the HWPW Site.
January 2019	Golder begins the interim remedial excavation activities for the installation of the NAPL collection system at the Englewood Intermodal Yard; Golder submits to the TCEQ the response to comments dated January 9, 2019 responding to TCEQ comment letter dated December 6, 2018 on the October 2018 PRACR Monthly Update; and Golder submits the PRACR Monthly Update to the TCEQ (February 4, 2019). Golder submits to the TCEQ the Corrective Action Monitoring Report: 2018 Second Semi-Annual Event dated January 4, 2019; Golder conducts 2019 first semi-annual groundwater monitoring event for the SWMU No. 1.
December 2018	TCEQ issues a comment letter dated December 6, 2018 on the October 2018 PRACR Monthly Update; and Golder submits the PRACR Monthly Update to the TCEQ (December 31, 2018).
November 2018	Golder submits the PRACR Monthly Update to the TCEQ (November 30, 2018).
October 2018	Golder conducts test pits in the Englewood Intermodal Yard to evaluate the NAPL seeps observed in the primary area (slots B100-B109) and other areas (parking slots B13 and B54). Golder submits the PRACR Monthly Update to the TCEQ (October 31, 2018) detailing the results of the test pit evaluation.
September 2018	Golder submits the PRACR Monthly Update to the TCEQ (September 28, 2018).
August 2018	UPRR submits the response to TCEQ comment and request for groundwater information letter dated November 29, 2017 – UPRR Groundwater Monitoring Data (included groundwater data from the three site-wide sampling events conducted from January – July 2018) , August 13, 2018; TCEQ issues a comment letter dated August 22, 2018 on the June 2018 PRACR Monthly Update; and Golder submits the PRACR Monthly Update to the TCEQ (August 31, 2018), including a response to the TCEQ August 22, 2018 comment letter. Response includes preliminary design for the NAPL collection system.

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Date	Description
July 2018	Golder submits to the TCEQ the Corrective Action Monitoring Report: 2018 First Semi-Annual Event dated July 20, 2018; Golder conducts 2018 second semi-annual groundwater monitoring event for the SWMU No. 1.; Golder submits the PRACR Monthly Update to the TCEQ (July 20, 2018).
June 2018	Golder conducts a site-wide groundwater sampling event (May-June 2018) in response to TCEQ letter dated November 27, 2017; and conducts repairs to the soil cap (June 12-13, 2018). Golder submits the PRACR Monthly Update to the TCEQ (June 21, 2018).
May 2018	Pastor, Behling & Wheeler, LLC (PBW) (now Golder) submits the PRACR Monthly Update to the TCEQ (May 21, 2018).
April 2018	PBW conducts a site-wide groundwater sampling event (March - April 2018) in response to TCEQ letter dated November 27, 2017; and submits the PRACR Monthly Update to the TCEQ (April 20, 2018).
March 2018	TCEQ issues comment letter on the Updated PRACR requesting monthly updates on the soil and concrete cap repairs (March 20, 2018).
January 2018	PBW submits to the TCEQ the Corrective Action Monitoring Report: 2017 Second Semi-Annual Event dated January 18, 2018; PBW conducts 2018 first semi-annual groundwater monitoring event for the SWMU No. 1. PBW also submits the Updated PRACR (post-Hurricane Harvey) and response to TCEQ comment letter dated October 20, 2017 on January 17, 2018.  PBW begins installing the additional alternate point of exposure (APOE) wells and monitoring/replacement wells (MW-22A, MW-22B, MW-82B, MW-83B, MW-83C, MW-84B, MW-85C, MW-86C, MW-87C, and MW-89C) as requested by the TCEQ in the letter dated November 28, 2017. The site-wide groundwater sampling event was also conducted (through February 2018).
November 2017	Meeting with UPRR, PBW, Baker-Wotring and the TCEQ (Corrective Action and Law Division) at the TCEQ offices in Austin on November 29, 2017. TCEQ issues letter dated November 28, 2017 requesting UPRR to install additional APOE wells and conduct additional groundwater sampling of the site-wide wells.
October 2017	TCEQ issues a comment letter dated October 20, 2017 on the post- Hurricane Harvey assessment of the capped areas PRACR.
September 2017	PBW submits the PRACR as part of the post- Hurricane Harvey assessment of the capped areas. The soil cap area did not appear to have any significant damage (a few minor erosion rills were noted) as a result of the tropical storm and associated flooding.

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Date	Description
July 2017	PBW submits to the TCEQ the Corrective Action Monitoring Report: 2017 First Semi-Annual Event dated July 12, 2017; PBW conducts 2017 second semi-annual groundwater monitoring event for the SWMU No. 1
June 2017	UPRR submits the RCRA Part A and B Permit Renewal Application (Revision No. 3) with RAP (Revision No. 2) to the TCEQ dated June 2017 in response to the 3 <sup>rd</sup> Technical Notice of Deficiency (NOD) Letter dated April 10, 2017. This includes submitting the Response Action Completion Report (RACR) (Revision No.1), June 24, 2017.
May 2017	Meeting with Union Pacific Railroad (UPRR), Pastor, Behling & Wheeler (PBW), Baker-Wotring and the Texas Commission on Environmental Quality (TCEQ) (Corrective Action and Law Division) on May 31, 2017 discussing the 3 <sup>rd</sup> Technical Notice of Deficiency (NOD) Letter dated April 10, 2017 on the RCRA Part A and B Permit Renewal Application and Response Action Plan (RAP), specifically for issues regarding the restrictive covenants/deed notices for the off-site properties.
April 2017	UPRR receives the 3 <sup>rd</sup> Technical NOD Letter dated April 10, 2017 on the RCRA Part A and B Permit Renewal Application (Revision No. 3) and RAP (Revision 2) from the TCEQ.
February 2017	Meeting with UPRR, PBW, Baker-Wotring and the TCEQ (Corrective Action and Law Division) on February 16, 2017 discussing the draft comments on the RAP (Revision 2) and restrictive covenants for the off-site properties.
January 2017	PBW submits to the TCEQ the Corrective Action Monitoring Report: 2016 Second Semi-Annual Event dated January 17, 2017; PBW conducts 2017 first semi-annual groundwater monitoring event for the SWMU No. 1
July 2016	UPRR submits the RCRA Part A and B Permit Renewal Application (Revision No. 3) with RAP (Revision No. 2) to the TCEQ dated July 2016 in response to the Technical NOD Letter dated June 2, 2016. This includes submitting the Response Action Completion Report (RACR). PBW submits to the TCEQ the Corrective Action Monitoring Report: 2016 First Semi-Annual Event dated July 12, 2016; PBW conducts 2016 second semi-annual groundwater monitoring event for the SWMU No. 1
June 2016	UPRR receives Technical NOD Letter dated June 2, 2016 on the RCRA Part A and B Permit Renewal Application and Response Action Plan from the TCEQ.
May 2016	UPRR completes the response actions authorized under the Area of Contamination to address the surface and subsurface soil Protective Concentration Level Exceedance (PCLE) Zones as detailed in the updated Response Action Plan (RAP) dated December 7, 2015.

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Date	Description
February 2016	TCEQ approves the request to extend the termination date for the Area of Contamination from February 15, 2016 to March 7, 2016 in a letter dated February 22, 2016
January 2016	Begin response actions (excavation/placement and cap constriction) activities to address surface soil PCLE Zones. PBW conducts 2016 first semi-annual groundwater monitoring event for the Solid Waste Management Unit (SWMU) 1. PBW submits on behalf of UPRR a request to extend the termination date from February 15, 2015 to March 7, 2016 for the Area of Contamination set by the TCEQ.
December 2015	Union Pacific Railroad (UPRR) submits the RCRA Part A and B Permit Renewal Application (Revision No. 2) with Response Action Plan (RAP) (Revision No. 1) to the TCEQ dated December 7, 2015. Remediation contractor begins site preparation for response actions under the Area of Contamination.
November 2015	UPRR receives the TCEQ letter dated November 5, 2015 detailing the agency's review of the September 18, 2015 submittal titled Additional Information for Clean Closure Equivalence Demonstration. The TCEQ Industrial and Hazardous Waste (I&HW) Permits Section was unable to accept the request for discontinuing post-closure care of the former surface impoundment, SWMU 1.
November 2015	Meeting with UPRR, Pastor, Behling & Wheeler (PBW), and the TCEQ on November 4, 2015 discussing the October 23, 2015 technical comment letter from the TCEQ.
October 2015	UPRR receives additional technical comments from the TCEQ in a letter dated October 23, 2015 on the RAP regarding the Plume Management Zones and Technical Impracticability Demonstration provided in the Response Action Plan. PBW submits on behalf of UPRR a request to extend the termination date from December 15, 2015 to February 15, 2016 for the Area of Contamination set by the TCEQ.
September 2015	PBW submits to the TCEQ the Additional Information for Clean Closure Equivalence Demonstration dated September 18, 2015 that included historical data and letters from 1983, 1984, and 1991 to demonstrate clean closure of the soils under the former surface impoundment (SWMU 1). The letter also included a request to cease the post-closure care for SWMU 1.
August 2015	UPRR receives Technical Notice of Deficiency (NOD) Letter dated August 5, 2015 on the RCRA Part A and B Permit Renewal Application and Response Action Plan from the TCEQ. PBW conducts additional soil sampling to refine the surface soil PCLE Zones.
July 2015	PBW submits to the TCEQ the Corrective Action Monitoring Report: 2015 First Semi-Annual Event dated July 16, 2015; PBW conducts 2015 second semi-annual groundwater monitoring event for the SWMU No. 1.

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Date	Description
April 2015	PBW submits to the TCEQ newspaper tear sheets and affidavits that public notice was published in English and Spanish in the <i>Houston Chronicle</i> on April 2 and <i>La Subasta</i> on March 31, respectively as required once the RCRA Permit Renewal/Compliance Plan with Major Amendment was administratively complete. PBW conducts additional soil sampling to refine the surface soil PCLE Zones at the Site.
March 2015	TCEQ issues a letter dated March 13, 2015 declaring the RCRA Permit Renewal/Compliance Plan with Major Amendment was administratively complete on March 13, 2015.
February 2015	PBW submits a response letter to the TCEQ dated February 13, 2015 for the TCEQ Administrative NOD on the RCRA Part A and B Permit Renewal Application. TCEQ issues an approval letter dated February 19, 2015 for the Area of Contamination approach to address the surface soil PCLE Zones.
January 2015	PBW submits to the TCEQ the Corrective Action Monitoring Report: 2014 Second Semi-Annual Event dated January 15, 2015; PBW conducts 2015 first semi-annual groundwater monitoring event for the SWMU No. 1.
December 2014	UPRR submits the RCRA Part A and B Permit Renewal Application with Response Action Plan (RAP) to the TCEQ dated December 10, 2014. UPRR receives the TCEQ Administrative NOD Letter dated December 17, 2014.
November 2014	RCRA Permit Pre-Application Meeting with UPRR, PBW, and TCEQ dated November 6, 2014. PBW submits to the TCEQ the Request for Preliminary Review of Area of Contamination dated November 20, 2014 to address the planned response action for the surface soil PCLE Zones at the Site.
September 2014	UPRR holds public meeting with residents near the Site to detail institutional controls for off-site groundwater Plume Management Zone (PMZ).
July/August 2014	PBW conducts site-wide groundwater sampling event.
May 2014	PBW oversees installation of seven new monitoring wells (MW-51C, MW-76C, MW-77A, MW-78A, MW-79A, MW-80B, and MW-81B) in the Englewood Intermodal Yard to evaluate DNAPL extent and extent of chemicals of concern (COCs) in the B-CZ unit to the southeast, and one replacement well MW-34CR to replace MW-34C. Soil samples also collected from City of Houston right of way (ROW) along north perimeter of the Site.
January 2014	PBW conducts site-wide groundwater sampling event.
July 2013	PBW conducts site-wide groundwater sampling event.



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Date	Description
February/March 2013	PBW conducts cone penetrometer testing (CPT)/rapid optical screening tool (ROST) and soil investigation at the Englewood Intermodal Yard adjacent to the UPRR Houston Wood Preserving Works (HWPW) site.
January/February 2013	PBW conducts site-wide groundwater sampling event (95 wells). PBW submits Proposed DNAPL Recovery Pilot Test letter to TCEQ dated February 5, 2013, and initiates monthly DNAPL recovery from on-site and off-site wells (10-12 wells) (planned for 24 months).
November 2012	Meet with TCEQ regarding proposed CPT/ROST investigation of Englewood Intermodal Yard based on DNAPL detected from the December 2011 investigation.
July 2012	PBW conducts site-wide groundwater sampling event.
January 2012	PBW conducts site-wide groundwater sampling event.
July 2012	PBW conducts site-wide groundwater sampling event.
December 2011	PBW installs additional monitoring wells in the cohesive zone B-CZ to evaluate extent of DNAPL in the B-CZ.
July 2011	PBW conducts site-wide groundwater sampling event.
April 2011	TCEQ approves the Affected Property Assessment Report (APAR) (including updates and addendums).
March 2011	PBW submits the Revised Updated APAR Addendum to the TCEQ. UPRR repairs fence around site.
January 2011	PBW conducts site-wide groundwater sampling event.
December 2010/ January 2011	UPRR/PBW submits Off-Site Notification Letters to off-site properties indicating Notice of Information Availability for the site, as required with the submittal of the Updated APAR Addendum (Oct 2012) .
October 22, 2010	PBW submits the Updated APAR Addendum to the TCEQ.
June/July 2010	PBW conducts additional soil (along northeast portion of Site) and groundwater investigation (A-TZ, B-CZ, C-TZ and D-TZ wells); including site-wide groundwater monitoring event.
February 16, 2010	UPRR Response to TCEQ Comment Letter dated November 18, 2009.
January 2010	PBW conducts site-wide groundwater sampling event; selected wells are analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8620.

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Date	Description
November 18, 2009	TCEQ Comment Letter on Revised APAR.
July 2009	PBW submits APAR Addendum to TCEQ.
January 2009	PBW conducts additional soil and groundwater investigation.
July 2008	PBW conducts additional CPT-ROST and groundwater investigation
January 2007	PBW conducts additional soil and groundwater investigation
August 2006	ERM-Southwest, Inc. (ERM) conducted additional soil and groundwater investigation
April 2006	ERM conducted additional soil and groundwater investigation
September 6, 2005	UPRR Response to TCEQ Response Letter dated August 1, 2005
August 2005	TCEQ Response to UPRR Response Letter dated June 9, 2005
June 9, 2005	UPRR Response to TCEQ Letter dated April 15, 2005
April 15, 2005	TCEQ Response to UPRR Response Letter dated November 19, 2004
November 19, 2004	UPRR Response to October 8, 2004 TCEQ Letter
October 8, 2004	TCEQ Comment Letter on Revised APAR
June 10, 2004	Revised APAR submitted to the TCEQ by ERM, Inc. on behalf of UPRR
November 7, 2001	Texas Natural Resources Conservation Commission (TNRCC) provides comments to July 5, 2001 response letter.
July 5, 2001	Follow-up response to November 6, 2000 TNRCC comment letter on the On-Site APAR submitted to TNRCC on behalf of UPRR.
January 9, 2001	Initial response to November 6, 2000 TNRCC comments.
November 6, 2000	TNRCC provides comments to On-Site APAR.
July 10, 2000	Affected Property Assessment Report for On-Site Property (On-Site APAR) submitted to TNRCC on behalf of UPRR by ERM.
February 20, 2000	Letter submitted to the TNRCC regarding proposed Phase 2-C investigation for further delineation of off-site areas
September 10, 1999	Phase 2-B RFI/EOC Investigation Report submitted to TNRCC on behalf of UPRR by ERM
April 27, 1998	Interim Stabilization Measures Report – Southern Drainage Ditch, submitted to TNRCC on behalf of UPRR by ERM.
February 13, 1998	Phase 2-A RFI/EOC Investigation Report submitted to TNRCC on behalf of UPRR by ERM.
January 13, 1997	RFI portion of the Phase 1 RFI/EOC Investigation Report approved by TNRCC
November 26, 1996	EOC portion of the Phase 1 RFI/EOC Investigation Report approved by TNRCC
May 23, 1996	Phase 1 RFI/EOC Report submitted on behalf of Southern Pacific Transportation Company (SPTCo) by Terranext
October 16, 1995	RFI Work Plan approved by TNRCC
September 29, 1995	EOC Work Plan approved by TNRCC
January 10, 1995	Operation and Maintenance Plan approved by TNRCC
November 3, 1994	Revised Compliance Schedule approved by TNRCC
October 14, 1994	RCRA Facility Investigation (RFI) Work Plan submitted on behalf of SPTCo
September 16, 1994	Extent of Contamination (EOC) Work Plan submitted on behalf of SPTCo

<b>Chronology</b>	<b>Page 8 of 7</b>	
	<b>ID No. SWR No. 31547</b>	<b>Report Date: 03/26/2019</b>

Date	Description
September 7, 1994	Revised Compliance Schedule submitted on behalf of SPTCo
August 19, 1994	Operation and Maintenance Plan and Compliance Schedule submitted on behalf of SPTCo
June 20, 1994	Permit No. HW-50343-000 and Compliance Plan CP-50343-000 issued by TNRCC.
October 1993	RCRA Facility Assessment completed on behalf of U.S. EPA by PRC Environmental Management, Inc.
May 13, 1991	RCRA Permit Application submitted by SPTCo

Note: Not all groundwater sampling events are listed in the chronology

# Checklist for Report Completeness

Page 1 of 2

ID No. SWR No. 31547

Report Date: 03/26/19

## Checklist for Report Completeness

Use this checklist to determine the portions of the form that must be submitted for this report. Answer all questions by checking Yes or No. If the answer is Yes include that portion of the report. If the answer is No, do not complete or submit that portion of the report. All form contents that are marked "Required" must be submitted. Form contents marked with an asterisk (\*) are not included in the blank form and are to be provided by the person.

Report Contents

	Required	<b>Cover Page</b>	<input checked="" type="checkbox"/>
	Required	<b>Executive Summary</b>	<input checked="" type="checkbox"/>
	Required	<b>Checklist for Report Completeness</b>	<input checked="" type="checkbox"/>
	Required	<b>Worksheet 1.0</b> Confirmation of Response Action Objectives	<input checked="" type="checkbox"/>
	Required	<b>Attachment 1A*</b> Maps and Cross Sections	<input checked="" type="checkbox"/>
	Required	<b>Attachment 1B*</b> Graphs	<input type="checkbox"/>
	Required	<b>Attachment 1C*</b> Response Action Diagrams	<input checked="" type="checkbox"/>
No <input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<b>Worksheet 2.0</b> Plume Management Zone	<input type="checkbox"/>
		<b>Attachment 2A*</b> Map of Plume Management Zone	<input type="checkbox"/>
No <input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<b>Worksheet 3.0</b> Technical Impracticability	<input type="checkbox"/>
		<b>Attachment 3A*</b> Map of Technical Impracticability Area	<input type="checkbox"/>
No <input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<b>Worksheet 4.0</b> Institutional Controls	<input type="checkbox"/>
	Required	<b>Worksheet 5.0</b> Performance Measures and Problems	<input checked="" type="checkbox"/>
No <input type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<b>Worksheet 6.0</b> Operation and Maintenance	<input checked="" type="checkbox"/>
No <input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<b>Worksheet 7.0</b> Post-Response Action Care	<input type="checkbox"/>
No <input type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<b>Appendix 1*</b> References	<input type="checkbox"/>
No <input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<b>Appendix 2*</b> ESA and Compensatory Restoration	<input type="checkbox"/>
No <input type="checkbox"/>	<input type="checkbox"/> Yes	<b>Appendix 3*</b> Institutional Controls and Landowner Concurrence	<input type="checkbox"/>

# Checklist for Report Completeness

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Report Date: 03/26/19

Report Contents

No <input type="checkbox"/>	Is there data or boring/monitor well information not previously submitted?	<input checked="" type="checkbox"/> Yes	<b>Appendix 4*</b> Data Tables, Boring Logs, and Well Completions	<input checked="" type="checkbox"/>
No <input checked="" type="checkbox"/>	Did sampling procedures differ from those described in the RAP?	<input type="checkbox"/> Yes	<b>Appendix 5*</b> Sampling Procedures	<input type="checkbox"/>
No <input type="checkbox"/>	Has any sampling been conducted for which the analytical results were not previously submitted?	<input checked="" type="checkbox"/> Yes	<b>Appendix 6*</b> Laboratory Data Packages	<input type="checkbox"/>
No <input checked="" type="checkbox"/>	Were statistics or geostatistics used in the response action?	<input type="checkbox"/> Yes	<b>Appendix 7*</b> Statistical Methodology	<input type="checkbox"/>
No <input type="checkbox"/>	Were any wastes generated that were not reported through STEERS?	<input checked="" type="checkbox"/> Yes	<b>Appendix 8*</b> Waste Disposition	<input checked="" type="checkbox"/>

<b>Confirmation of Response Action Objectives</b>	<b>RACR Worksheet 1.0</b>	<b>Page 1 of 6</b>
	<b>ID No. SWR No. 31547</b>	<b>Report Date: 03/26/19</b>

Use this worksheet to describe the attainment of the response action objectives in each media.

## Response Action Objectives

What was the selected remedy standard for this affected property?      A   X   B

List the environmental media to which this applies Surface and subsurface soil

Repeat this section for each medium that had a different response action objective.

Provide a detailed description of the response action. Describe the removal actions, decontamination actions, treatment system(s), physical or institutional control actions, and any actions for ecological considerations (ecological services analysis and compensatory restoration plans) that were conducted in each media and indicate if there were any differences between the actions taken and the actions proposed in the SIN or RAP.

The Response Action Objectives (RAO) for the surface and subsurface soil PCLE Zones is to control exposure through physical barriers such that commercial/industrial workers will not be exposed to concentrations of COCs in excess of the critical human health PCLs (§350.33(a)(1)). The surface and subsurface soil PCLE zone extends into the Englewood Intermodal Yard (as detailed in the Response Action Plan (RAP), PBW, 2017) and is currently covered with a physical barrier (primarily reinforced concrete pavement with some asphalt/road base pavement), which prevents contact between impacted soils and on-site workers. As part of the post-response care plan, the pavement in the area of the surface and subsurface soil PCLE Zone is routinely inspected to ensure on-site worker protection.

During the July 2017 quarterly inspection, a tar-like substance was observed surfacing through the joints and cracks in the concrete and asphalt surfaces in the area of parking slots B100 to B109 shown on the attached Figure 1 (Attachment 1C). Details of the observations were provided in the Post-Response Action Completion Report (PRACR) dated January 15, 2018 (PBW, 2018). Since the initial observation of the tar-like substance at the surface, weekly inspections of the affected area were conducted. The amount of tar surfacing each week varied depending on the ambient temperatures (i.e., greater amounts of the tar-like substance surfaced during warm weather). When significant amounts of the tar-like substance surfaced, a remediation contractor (United States Environmental Services (USES)) was notified to mobilize to the Site to scrape up the material and place in drums pending disposal.

Golder conducted three soil borings (SB-01 through SB-03) in the area of parking slots B100 to B109 in May 2018 to evaluate the presence of NAPL in the subsurface (boring logs are provided in Appendix 4). Based on the information gathered from the soil borings, Golder proposed excavating test pits in the area to further evaluate the presence of the NAPL in the shallow soils.

In October 2018, four test pits were conducted within the primary seep area (slots B100-B109) and other seep areas (parking slots B13 and B54). Test pits were excavated to approximately 2 feet wide, 6 feet long and 5 feet deep with a mini-excavator. Details of the test pit evaluation were submitted to the TCEQ in a Monthly Update report dated October 31, 2018. Based on the test pits conducted in the area of the NAPL seeps and the frequency of the occurrence of surface seepage at the B100 to B110 parking slots, the seeps appear to be a result of the volume of the shallow NAPL within the top 3 feet bgs mobilizing during warm weather and, to relieve subsurface pressure, finding preferential pathways to the surface through the

<b>Confirmation of Response Action Objectives</b>	<b>RACR Worksheet 1.0</b>	<b>Page 2 of 6</b>
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concrete pavement's expansion joints and through the cracks in the asphalt pavement.

Using the information gathered from the test pits, the proposed response action was to install a NAPL collection system by removing a section of asphalt or concrete cover, excavating the underlying soils, backfilling with high permeability fill, installing slotted pipe to allow the accumulation of NAPL and backfilling the remaining few feet with compacted selected fill and reinforced concrete. Preliminary design drawings were provided to the TCEQ with the August 31, 2018 monthly update (Golder, 2018). Based on a phone conversation with the TCEQ on November 20, 2018, the TCEQ granted approval to proceed with the proposed NAPL collection system was granted with the understanding that the approach was considered an interim response.

In January 2019, UPRR began the construction of the NAPL collection system (details shown on Figures 2 and 3 – Attachment 1C), which included the following:

- Removal of the existing pavement areas as shown on Figure 2;
- Excavate and properly dispose of the affected soils underneath the pavement for off-site transport and disposal;
- Install a geotextile fabric along the base of the excavation as shown on Figure 3;
- Refill the lower 32" of the excavations with high permeability fill as shown on Figure 3;
- Install vaults (sumps) to capture the NAPL seep material that may collect in the constructed area as shown on Figure 3;
- Place an HDPE liner and compacted structural fill (roadbase) over the high permeability fill as shown on Figure 3;
- Reinstall the concrete and asphalt pavement cover; and
- Return the area into service.

A photographic log of the construction activities is provided in Attachment 1C.

Routine weekly inspections of the NAPL collection system area will be conducted for the initial six months following installation of the system.

Describe how the response action achieved the property-specific response objectives for the PCLE zone in each media in the context of the response objectives set forth in §350.32 or §350.33, as applicable. Explain how the response action was appropriate based on the hydrogeologic and COC characteristics. Describe any unprotective conditions that continued or resulted from the remedial actions and the actions taken to mitigate unprotective conditions.

The proposed response objective for the NAPL collection system was to provide alternative preferential pathways for the NAPL to travel to and be recovered prior to seeping to the ground surface. UPRR will conduct weekly site inspections to monitor the performance of the NAPL collection system.

If different from the information provided in the RAP, explain how the COCs were handled, treated, disposed, or transferred to another media and document that the response action did not result in any additional exposure conditions due to response action activities.

<b>Confirmation of Response Action Objectives</b>	<b>RACR Worksheet 1.0</b>	<b>Page 3 of 6</b>
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During excavation activities, impacted soils were placed directly into roll-off boxes brought on-site and were closed upon completion of filling to limit exposure to storm water during rainfall events. Soils impacted directly with the NAPL seep material were placed into 55-gallon steel drums and stored on-site. Initial air monitoring during construction activities was conducted using visual observations and a photoionization detector (PID) to evaluate occupational exposures to potential vapors encountered during the excavation activities. All site workers operated under a site-specific health and safety plan (HASP).

Upon completion of excavating activities and prior to backfilling, a storm event occurred where storm water accumulated within the excavation. Approximately 5,000 gallons of storm water was removed from the excavation and was containerized in a frac tank located on site.

See Page 6 for details on disposal of the soils, NAPL, and waters.

Explain how the response action achieved the objectives within the reasonable time frame.

The construction phase of the project began on January 21, 2019 and had the NAPL collection system in place by February 6, 2019. Following construction, UPRR will conduct weekly site inspections to monitor the performance of the NAPL collection system.

Were physical controls used as part of the response action? ☒ Yes ☐ No  
If yes, describe the type and purpose of the physical control and discuss how the physical control has proved effective.

As discussed in the RAP (PBW, 2017), the surface and subsurface soil PCLE zone in the Intermodal Yard area is currently covered with a physical barrier (concrete pavement), preventing contact with impacted soils for on-site workers. The construction of the NAPL collection system resulted in the replacement of the concrete and asphalt cap in the area of the NAPL collection system. As part of the post-response action care, the concrete pavement in the area of the surface soil PCLE Zone will be routinely inspected to ensure on-site worker protection.

### Soil Response Action Objectives

When using removal and/or decontamination with controls or controls only, demonstrate that the physical control or combination of measures reliably contained COCs within and/or derived from the surface soil and subsurface soil PCLE zone materials over time.

As detailed in the previous RACR (Rev. 1) for the Site (PBW, 2017), the Englewood Intermodal Yard physical control (concrete and asphalt cap) will contain the COCs by eliminating pathways such as; dermal contact/ingestion of soils, inhalation hazards (dust), and leaching of COCs to storm water or groundwater. The construction of the NAPL collection system will continue to achieve the soil response objectives.

Explain how the removal or decontamination action reduced the concentration of COCs to the critical



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surface soil and subsurface soil PCL throughout the soil PCLE zone and prevented COC concentrations above the critical soil PCLs from migrating beyond the original boundary of the soil PCLE zone.

The NAPL collection system as installed is integrated with the overall concrete pavement area to prevent exposure to impacted soils above critical PCLs. UPRR will conduct weekly site inspections to monitor the performance of the NAPL collection system.

Confirmation of Response Action Objectives	RACR Worksheet 1.0	Page 5 of 6
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### Groundwater Response Action Objectives

Name of groundwater-bearing unit to which this information applies NA

Repeat this section for each groundwater-bearing unit for which a different response action was conducted.

Groundwater classification	1	2	3
	_____	_____	_____

Was a modified groundwater response action used for any part of the groundwater PCLE zone (§350.33(f)(2), (3), or (4))?        Yes        No

If yes, complete the appropriate portions of this report.

Explain how the removal or decontamination actions reduced the concentration of COCs to the critical groundwater PCL throughout the groundwater PCLE zone and prevented COC concentrations above the critical groundwater PCL from migrating beyond the original boundary of the groundwater PCLE zone. If COC concentrations above the critical groundwater PCL ever migrated beyond the original boundary of the groundwater PCLE zone, explain the actions taken to address the increase in the PCLE zone.

Not Applicable

Explain how the response action prevented COCs from migrating to air at concentrations above the PCLs for air if the groundwater-to-air PCLs ( $^{Air}GW_{Inh-V}$ ) were exceeded.

Not Applicable

Explain how the response action prevented COCs from migrating to surface water at concentrations above the PCLs for groundwater discharges to surface water if surface water was a factor.

Not Applicable

Explain how the response action prevented human and ecological receptor exposure to the groundwater PCLE zone.

Not Applicable

<b>Confirmation of Response Action Objectives</b>	<b>RACR Worksheet 1.0</b>	<b>Page 6 of 6</b>
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## Waste Management

Describe the volume and final disposition or reuse location of waste or environmental media that was removed from the affected property during the response action, if not previously reported under STEERS. Provide copies of all manifests, other documentation of disposition, and landowner consent for reuse of soil in Appendix 8.

The wastes generated at the Site as a result of the project included non-hazardous wastes such as concrete, asphalt, soil, NAPL, and storm water. The volumes of the non-hazardous wastes removed consisted of the following:

- Approximately 120 cubic yards (bank) of existing soil, road base & debris was excavated and placed into roll-off boxes located on-site. The material was then transported and properly disposed of as a Class 1 Industrial Waste at the Republic Services' 5112 Blue Ridge, Texas Landfill.
- Approximately 5,000 gallons of petroleum-affected stormwater that accumulated within the excavation and sumps was containerized into a frac tank located on-site. The containerized stormwater was analyzed, characterized, profiled and properly disposed of at the Intergulf Corporation's 10020 Bayport Blvd Facility in Pasadena, Texas.
- Approximately 150 gallons of a petroleum tarry sludge/NAPL and soil mixture was removed from the excavation and placed into three 55-gallon steel drums located on-site. The mixture has been analyzed and is being profiled for proper off-site disposal.

Copies of the waste manifests and documentation are provided in Appendix 8.

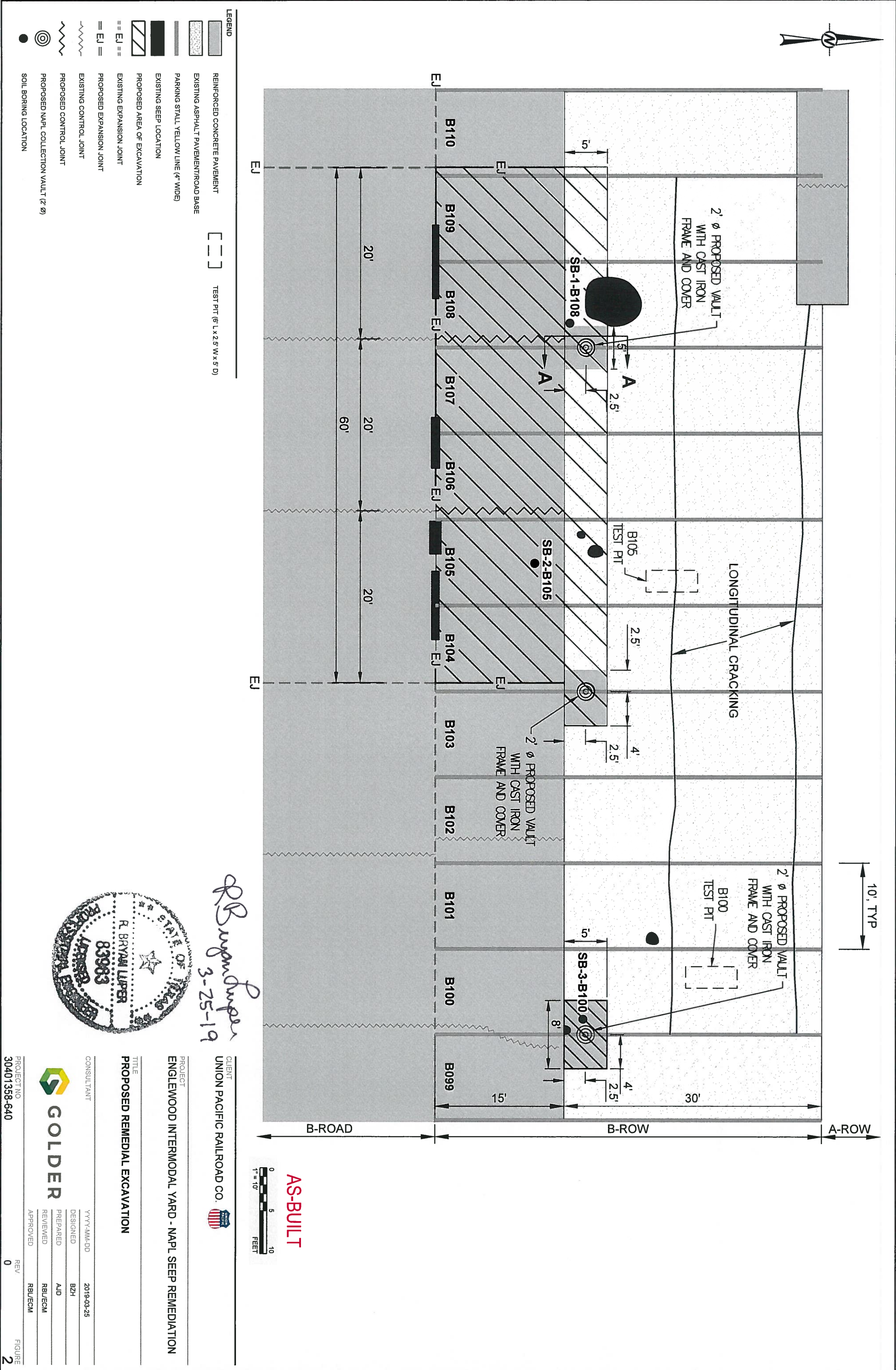
**ATTACHMENT 1C**

**RESPONSE ACTION DIAGRAMS AND CONSTRUCTION PHOTOLOG**

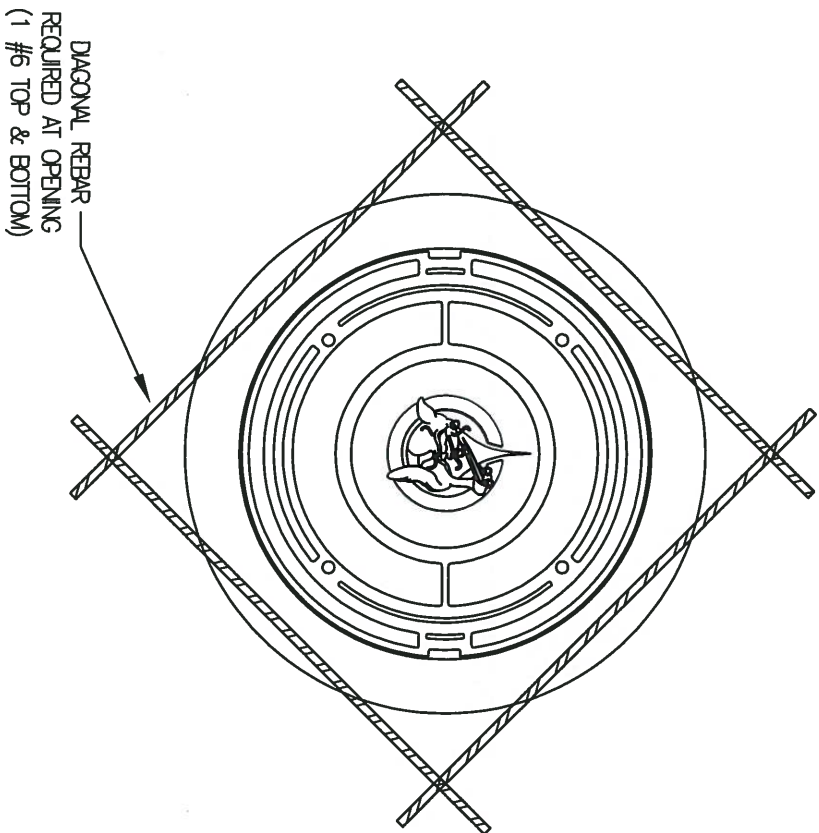




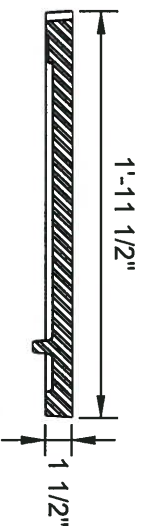




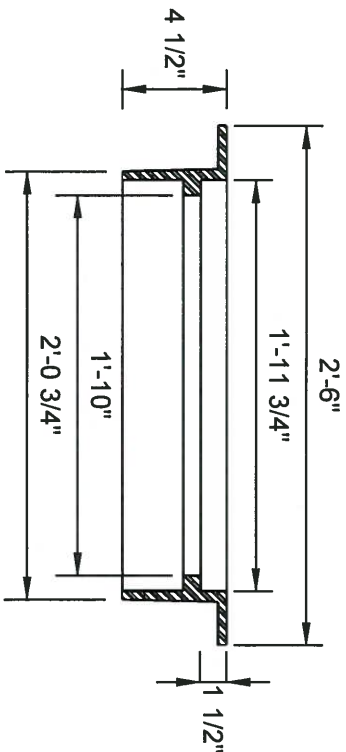




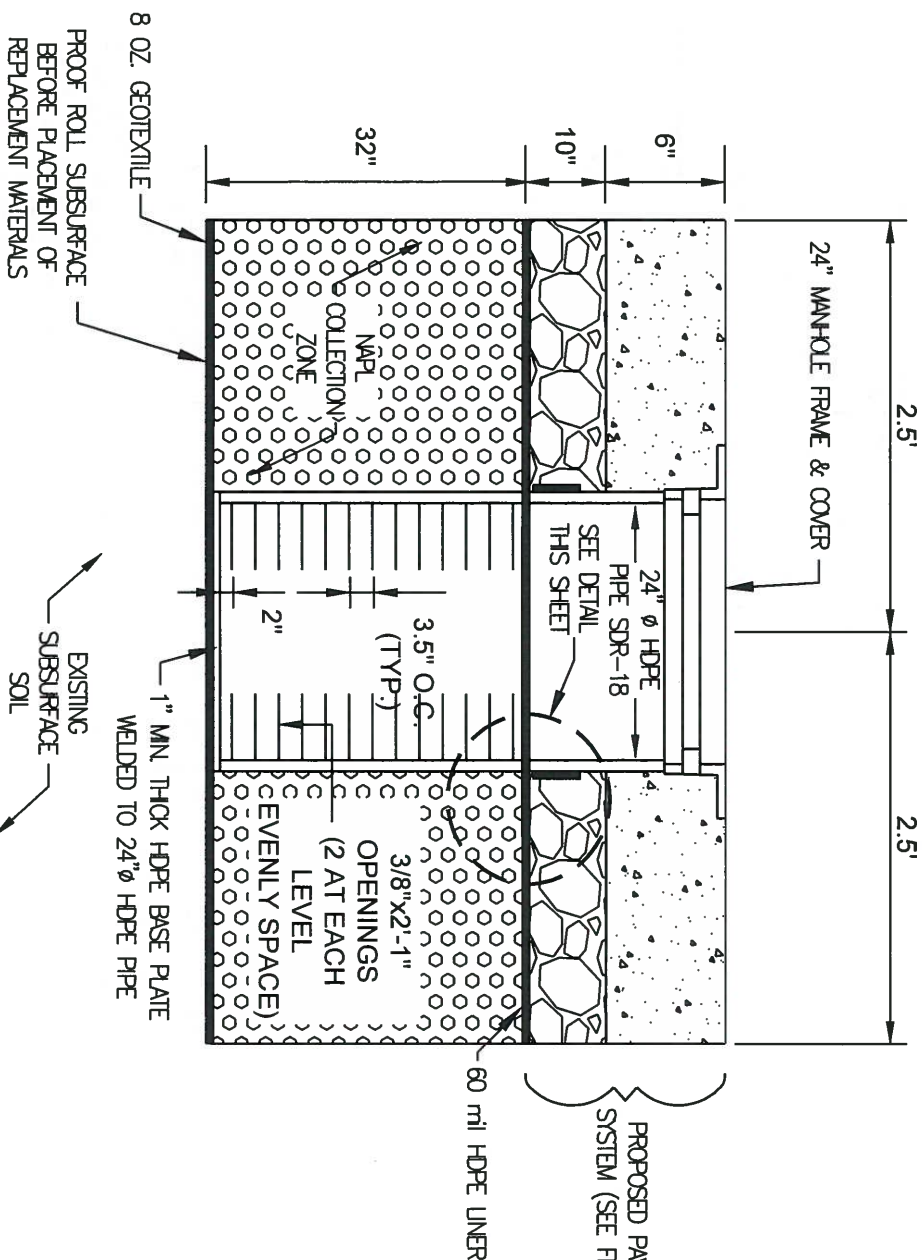
COVER AND FRAME PLAN VIEW



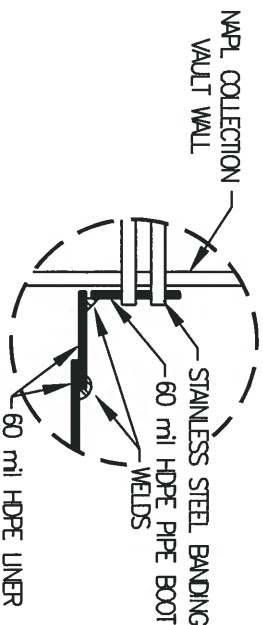
COVER SECTION A-A



FRAME SECTION A-A



SECTION A-A  
N.T.S.



LINER/VAULT TIE-IN  
N.T.S.



*R. Bryan Lipper*  
3-25-19

- NOTE:
1. FRAME AND COVER SHALL BE EAST JORDAN IRON WORKS MODEL V-1814 FRAME AND V-1418 COVER OR APPROVED EQUAL.

- REINFORCED CONCRETE
- COMPACTED BASE MATERIAL (TXDOT GRADE 1 AGGREGATE)
- COMPACTED SELECT FILL
- COMPACTED HIGH PERMEABILITY FILL 2" BUNKER ROCK FROM GULFOAST MATERIAL, INC. (PRODUCT 122002-2 INCH BUNKER)

AS-BUILT

CLIENT  
UNION PACIFIC RAILROAD CO.

PROJECT  
ENGLEWOOD INTERMODAL YARD - NAPL SEEP REMEDIATION

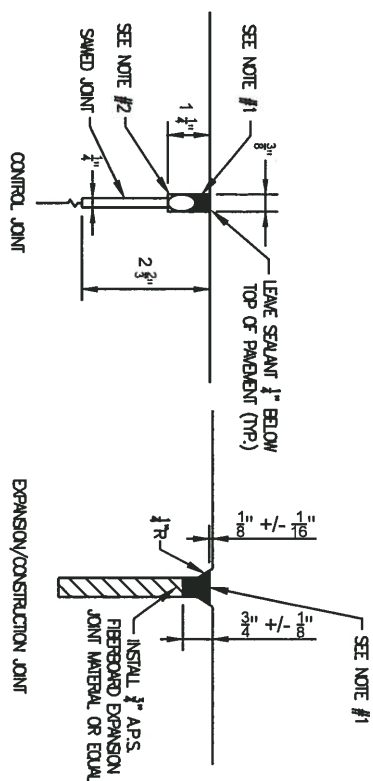
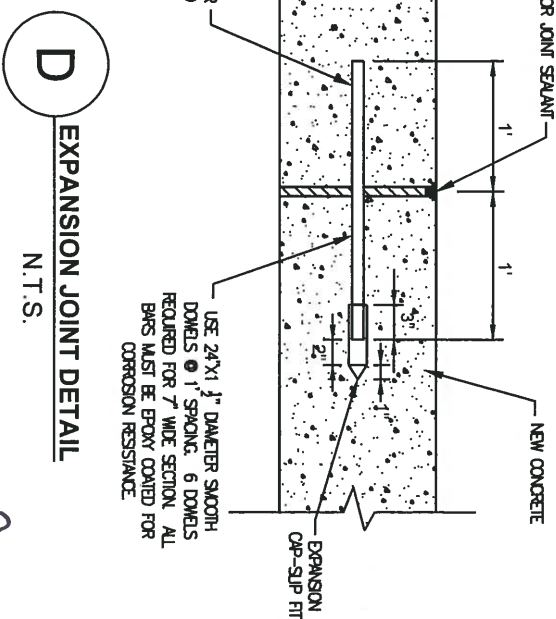
TITLE  
PROPOSED NAPL COLLECTION SYSTEM

CONSULTANT  
YYYY-MM-DD 2019-03-25

GOLDER

DESIGNED BZH  
PREPARED AID  
REVIEWED RBL/ECM  
APPROVED RBL/ECM



PROJECT NO. 30401358-640  
REV 0  
FIGURE 3



1. Use DOW Corning 890-SL Silicone Sealant or equal.
2. Round closed cell polyethylene backer rod. Use backer rod sized  $\frac{1}{4}$ " greater than joint width.
3. Sawcut and clean out existing joints before applying joint seal.

**TYPICAL JOINT SEALING DETAIL**

**N.T.S.**

CLIENT <b>UNION PACIFIC RAILROAD CO.</b> 	
PROJECT <b>ENGLEWOOD INTERMODAL YARD - NAPL SEEP REMEDIATION</b>	
TITLE <b>PAVEMENT DETAILS</b>	
CONSULTANT <div>  <b>GOLDER</b> </div>	
PROJECT NO <b>30401358-640</b>	REV <b>0</b>
FIGURE <b>4</b>	



## AS-BUILT

RB Ryan Cooper  
3-25-19



SCOPE OF WORK:

1. THE CONTRACTOR SHALL REMOVE AT LEAST THE TOP 4" OF THE EXISTING REINFORCED CONCRETE PAVEMENT, ASPHALT, ROAD BASE, AND SUBGRADE MATERIAL UNDER THE AREAS OF EXCAVATION SHOWN IN FIGURE 2. THE OWNER OR HIS NOTICE REPRESENTATIVE SHALL BE GIVEN ADEQUATE NOTICE BEFORE THE CONTRACTOR REACHES THE EXTENTS OF THE REQUIRED EXCAVATION TO ALLOW FOR ADEQUATE INSPECTION BY THE OWNER. THE CONTRACTOR SHALL DEMOLITION AND EXCAVATION AS REQUIRED BY THE OWNER, BEFORE BEGINNING REFILLING OPERATIONS.
2. EXCAVATED REINFORCED CONCRETE AND ASPHALT PAVEMENT MATERIAL SHALL BE ASSIGNED TO BE CLEAN AND APPROPRIATE FOR OFF-SITE RECYCLING OR DISPOSAL BEFORE OFF-SITE DISPOSAL. THE CONTRACTOR SHALL ALLOW THE OWNER TO INSPECT THE MATERIAL TO CONFIRM THIS ASSUMPTION.
3. EXCAVATED ROAD BASE AND SUBGRADE MATERIAL SHALL BE ASSUMED TO BE NON-HAZARDOUS CLASS 1 INDUSTRIAL MATERIAL AND SHALL BE TRANSPORTED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
4. AS EXCAVATION ACTIVITIES ARE ON-GOING, THERE IS A SIGNIFICANT POSSIBILITY THAT POOLS OR SEEPS OF LNAPL AND/OR LNAPL IMPACTED WATER WILL BE ENCOUNTERED. THE LIQUIDS ENTERING THE EXCAVATIONS MUST BE CAPTURED AND COLLECTED BY THE CONTRACTOR. THE COLLECTED LIQUIDS SHALL BE PLACED INTO APPROPRIATE CONTAINERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANALYZING, CHARACTERIZING AND PROFILING THE MATERIAL FOR PROPER OFF-SITE TRANSPORTATION AND DISPOSAL.
5. AFTER THE COMPLETION OF EXCAVATION OPERATIONS, THE CONTRACTOR SHALL INSTALL THE SUBSURFACE NAPL COLLECTION SYSTEM DESCRIBED IN FIGURE 3 AND THEN REPLACE THE PAVEMENT AND MARKING SYSTEM IN ACCORDANCE WITH THE DETAILS SHOWN IN FIGURE 2 AND FIGURE 4.

GENERAL NOTES:

1. THE CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF THE PROJECT SITE. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS CONDITIONS WHICH APPEAR TO BE IN CONFLICT WITH THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER AND/OR OWNER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID. ANY OBSERVABLE CONDITIONS IN CONFLICT WITH PLANS AND SPECIFICATIONS THAT ARE NOT REPORTED IN BID WILL NOT RESULT IN A CHANGE ORDER.
2. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER AND FACILITY MANAGER WITH AT LEAST 2 WEEKS NOTICE PRIOR TO MOBILIZATION. CONTRACTOR IS OBLIGATED TO FACILITATE FACILITY SCHEDULES AND BUSINESS OPERATIONS.
3. CONTRACTOR SHALL COORDINATE ALL WORK SCHEDULES AND CONSTRUCTION LIMITS WITH THE FACILITY OPERATIONS MANAGER AND ENGINEER PRIOR TO COMMENCING ANY WORK.
4. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, AND CITY LAWS AND ORDINANCES AND OF ALL REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION, U.S. DEPARTMENT OF ENVIRONMENTAL PROTECTION, U.S. DEPARTMENT OF LABOR, U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES, AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
5. ALL CONSTRUCTION SHALL CONFORM WITH LOCAL DEPARTMENT OF TRANSPORTATION SPECIFICATIONS UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, BONDS, INSURANCE, ETC. AND PAYING ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL REGULATIONS GOVERNING THE WORK.
7. CONTRACTOR SHALL COORDINATE WORK HOURS TO THE TIMES PERMITTED BY FIELD MANAGER. TWENTY-FOUR HOUR WORK IS PERMISSIBLE, CONTINGENT UPON APPROVAL BY THE FACILITY MANAGER.

8. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY AND AS REQUIRED BY UPRR. CONTRACTOR SHALL COORDINATE WITH UPRR FOR SCHEDULING FLAGMENS. CONTRACTOR SHALL COMPLY WITH THE ACCOMPANYING REQUIREMENTS FOR FLAGGING, INSURANCE, AND SAFETY.
9. THESE PLANS DO NOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE, SIZE, TYPE, DEPTH, MATERIAL OR LOCATION OF ANY SUBSURFACE CONDITIONS. CONTRACTOR SHALL VERIFY ALL UTILITIES VIA POT-HOLING OR OTHER MEANS PRIOR TO ALL CONSTRUCTION. CONTRACTOR SHALL NOTIFY UPRR FIBER OPTICS HOTLINE 1-800-338-9183, 48 HOURS PRIOR TO ANY EXCAVATION.
10. THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR. IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR THE WORK TO BE COMPLETED IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE SAID PERMITS AND LICENSES. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS-OF-WAY, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION WHERE NECESSARY.
12. THE CONTRACTOR SHALL BE LICENSED IN THE STATE WHERE THIS PROJECT IS LOCATED AND SHALL BE BONDBLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE BID AMOUNT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL PROVIDE AND PAY FOR AND/OR OBTAIN ALL ELECTRIC POWER NECESSARY TO ACCOMPLISH THE WORK.
15. THE CONTRACTOR SHALL PROVIDE AND PAY FOR AN ADEQUATE SUPPLY OF WATER AS REQUIRED TO PROPERLY CARRY OUT THE WORK AND AN ADEQUATE SUPPLY OF UNCONTAMINATED WATER AS REQUIRED FOR DOMESTIC CONSUMPTION AND SHALL INSTALL AND MAINTAIN NECESSARY SUPPLY CONNECTIONS AND PIPING FOR SUCH WATER SUPPLY, BUT ONLY AT SUCH LOCATIONS AND IN SUCH MANNER AS MAY BE APPROVED BY THE UPRR REPRESENTATIVE.
16. NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND UPRR ENGINEER OR HIS REPRESENTATIVE.
17. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER.
18. ANY EXISTING CONDITIONS FOUND TO BE A VARIANCE WITH THESE DRAWINGS MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
19. THE CONTRACTOR SHALL GUARANTEE ALL WORK UNDER THE AGREEMENT FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE RAILROAD UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL LEAVE THE WORK IN PERFECT ORDER AT COMPLETION, AND THE FINAL CERTIFICATE OF PAYMENT SHALL NOT RELIEVE HIM OF THE RESPONSIBILITY FOR NEGLIGENCE, FAULTY MATERIALS, OR WORKMANSHIP. UPON WRITTEN NOTICE, HE SHALL REMEDY ANY DEFECTS OR WORKMANSHIP THAT MAY APPEAR DURING THE TIME HEREINAFTER MENTIONED AND PAY ALL EXPENSES DUE THEREFROM TO THE ENTIRE SATISFACTION OF THE UPRR REPRESENTATIVE.
20. THE CONTRACTOR AGREES THAT:  
A) THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.  
B) THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.  
C) THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.  
D) THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OPERATIONS SO AS NOT TO DELAY THEIR WORK. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.  
E) THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND REINSPECTIONS AT THEIR OWN EXPENSE.
21. UPON COMPLETIONS OF THE WORK INVOLVED, THE CONTRACTOR SHALL CLEAN THE LOCATION OF THE WORK AND SHALL REMOVE ALL RUBBISH, EXCESS MATERIALS, FALSEWORK, TEMPORARY STRUCTURES AND EQUIPMENT, LEAVING THE LOCATION OF THE WORK CLEANED TO THE SATISFACTION OF THE UPRR REPRESENTATIVE.
22. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS FOR THE DURATION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
23. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
24. DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE, SPILLAGE OF EARTH, DUSTY MATERIALS, BOULDER AND MUD ON ROADS LOCATED ON THE RAILROAD'S PROPERTY WILL NOT BE PERMITTED. IF SPILLAGE CANNOT BE PREVENTED, THE CONTRACTOR SHALL PROVIDE AN HOURLY PATROL, OR MORE FREQUENTLY IF NEEDED, TO POLICE AND SWEEP SUCH AREAS THROUGHOUT THE WORK DAY, AND AT THE CONCLUSION OF EACH WORK DAY. ANY PAVEMENT LOCATED ON THE RAILROAD'S PROPERTY WHICH HAVE BEEN USED BY THE CONTRACTOR SHALL BE BROOD CLEANED AND LEFT TO THE SATISFACTION OF THE UPRR REPRESENTATIVE. ANY EXPENSE INCURRED IN THE USE OF RAILROAD ACCESS ROADS SHALL BE BORNE BY THE CONTRACTOR.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING REQUIRED INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING FEATURES FROM DAMAGE. THERE WILL BE NO EXTRA PAYMENT TO THE CONTRACTOR FOR REPLACING EXISTING FEATURES NOT SPECIFICALLY STATED ON THE PLANS.
27. IF ANY EXISTING STRUCTURES OR UTILITIES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE OR UTILITIES AS NECESSARY TO RETURN THEM TO EXISTING CONDITIONS OR BETTER, AS APPROVED BY THE OWNER.
28. CONTRACTOR SHALL CHECK THE LEAD TIMES OF ALL MATERIAL AND ENSURE THAT ALL MATERIALS ARE ON HAND IN SUFFICIENT TIME SO AS TO NOT DELAY CONSTRUCTION ACTIVITIES OR CAUSE DELAY TO PROJECT SCHEDULE.
29. THE CONTRACTOR IS TO OBEY FACILITY SPEED LIMITS AND ALL OTHER FACILITY SAFETY REGULATIONS.
30. ANY UNDERGROUND STRUCTURES SUCH AS CESSPOOLS, CISTERNS, MINING SHAFTS, TUNNELS, SEPTIC TANKS, WELLS AND PIPELINES NOT LOCATED PRIOR TO CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR DETERMINATION OF APPROPRIATE ACTIONS SUCH AS REMOVAL OR TREATMENT IN A MANNER JUDGED SUITABLE TO THE ENGINEER.

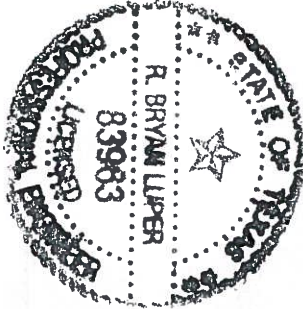
31. THE CONTRACTOR SHALL PROVIDE ERECT AND MAINTAIN ADEQUATE TEMPORARY FENCES AND BARRICADES TO PREVENT DAMAGE AND/OR THE PASSING OF UPRR RIGHT-OF-WAY, DAMAGE OF ADJOINING PROPERTY, AND REASONS OF SAFETY.
32. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY MARKINGS THAT ARE IN CONFLICT WITH THE PROPOSED WORK.
33. THE CONTRACTOR SHALL ENSURE ALL ROADS, WHETHER MAINTAINED OR GRAVEL, USED DURING CONSTRUCTION ARE MAINTAINED AND LEFT IN PRE-CONSTRUCTION CONDITION WHEN PROJECT IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR ALL BONDS REQUIRED BY LOCAL OR STATE AGENCIES TO ENSURE PUBLIC ROADS ARE MAINTAINED OR REPAIRED. ANY TEMPORARY BARRICADES OR TRAFFIC CONTROL, IF NOT INCLUDED AS A BID ITEM, ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCIDENTAL.
34. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THEY MUST BE REMOVED AND REPLACED WITH SUITABLE MATERIALS TO COMPLY WITH UPRR SPECIFICATIONS.
35. THE CONTRACTOR IS TO STAGE CONSTRUCTION ACTIVITIES SO THAT UPRR IS STILL 100% OPERATIONAL. A PLAN PRIOR TO COMMENCING WORK SHALL BE PRESENTED TO AND APPROVED BY UPRR TO ASSURE CONTINUED OPERATION OF THE FACILITY DURING CONSTRUCTION.
36. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE DOCUMENTATION ESTABLISHING THAT ALL ON-SITE EMPLOYEES ARE OSHA HAZWOPER TRAINED TO HANDLE HAZARDOUS MATERIALS. ONLY CONTRACTORS WITH PROPER OSHA HAZWOPER TRAINING SHALL BE CONSIDERED.

DESIGN CRITERIA:

1. ALL MATERIALS AND WORK SHALL CONFORM TO THE ATTACHED SPECIFICATIONS AND TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES NOVEMBER 1, 2014.
2. AREAS TO BE FILLED SHOULD BE RAISED TO THE DESIRED ELEVATION WITH CONTROLLED EARTH FILL. CONTROLLED EARTH FILL AND REMOVED SUBGRADE SOILS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR AT A MOISTURE CONTENT OF +1.2% OF OPTIMUM.
3. ALL MANHOLE RIMS, VALVES, MONUMENT BOXES, ETC. SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING, UNLESS OTHERWISE NOTED. COST FOR THIS WORK SHALL BE IN THE UNIT PRICES FOR BID PAVEMENT.
4. ALL PAVEMENT TO BE REMOVED AND REPLACED SHALL BE SAWCUT FULL DEPTH PRIOR TO REMOVAL.
5. WHERE NEW IMPROVEMENTS ABUT EXISTING FEATURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING THE ELEVATIONS OF THE EXISTING FEATURES.
6. THE CONTRACTOR SHALL PROVIDE ALL RECORDS DOCUMENTING THE WASTE CHARACTERISTICS, CLASSIFICATIONS, QUANTITIES, AND FINAL MANAGEMENT LOCATION TO UPRR REPRESENTATIVES.  
a. AS OF AUGUST 2016, UPRR HAS IMPLEMENTED A WASTE MANAGEMENT PROGRAM FOR TRACKING WASTE DOCUMENTATION. PRIOR TO MAKING A WASTE DETERMINATION, THE WASTE MUST BE COLLECTED AND SEPARATED TO BE THE MOST APPROPRIATE WASTE. WASTE REQUIRED OR PROHIBITED TRANSPORTATION AND DISPOSAL RESOURCES CONTRACTED BY UPRR ARE AVAILABLE FOR ASSISTANCE WITH THE WASTE MANAGEMENT PROGRAM:  
1. GHD - UPRR-WM@ghd.com  
1. GOLDER - Robert.Luper@Golder.com (If EPRS support is requested by UPRR)  
b. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH TICKETS FOR ALL SOIL HAULED OFF THE RAILROAD RIGHT-OF-WAY. COSTS FOR TRANSPORTATION AND DISPOSAL OF SOILS FROM THE PROJECT AREA AT THE APPROVED DEPOSIT SITE, INCLUDING SOIL TESTING, HANDLING, DOCUMENTATION, AND FEES CHARGED BY THE DEPOSIT SITE SHALL BE PAID WITH THE FOLLOWING BID ITEMS:  
1. BID ITEM 12-OFF-SITE TRANSPORT AND DISPOSAL OF EXCAVATED MATERIAL - NON-HAZARDOUS CLASS 1 INDUSTRIAL WASTE - TONS
7. CONTRACTOR SHALL PROVIDE ALL RECORDS DOCUMENTING THE WASTE CHARACTERISTICS, CLASSIFICATIONS, QUANTITIES, AND FINAL MANAGEMENT LOCATION TO UPRR REPRESENTATIVES.  
a. AS OF AUGUST 2016, UPRR HAS IMPLEMENTED A WASTE MANAGEMENT PROGRAM FOR TRACKING WASTE DOCUMENTATION. PRIOR TO MAKING A WASTE DETERMINATION, THE WASTE MUST BE COLLECTED AND SEPARATED TO BE THE MOST APPROPRIATE WASTE. WASTE REQUIRED OR PROHIBITED TRANSPORTATION AND DISPOSAL RESOURCES CONTRACTED BY UPRR ARE AVAILABLE FOR ASSISTANCE WITH THE WASTE MANAGEMENT PROGRAM:  
1. GHD - UPRR-WM@ghd.com  
1. GOLDER - Robert.Luper@Golder.com (If EPRS support is requested by UPRR)  
b. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH TICKETS FOR ALL SOIL HAULED OFF THE RAILROAD RIGHT-OF-WAY. COSTS FOR TRANSPORTATION AND DISPOSAL OF SOILS FROM THE PROJECT AREA AT THE APPROVED DEPOSIT SITE, INCLUDING SOIL TESTING, HANDLING, DOCUMENTATION, AND FEES CHARGED BY THE DEPOSIT SITE SHALL BE PAID WITH THE FOLLOWING BID ITEMS:  
1. BID ITEM 12-OFF-SITE TRANSPORT AND DISPOSAL OF EXCAVATED MATERIAL - NON-HAZARDOUS CLASS 1 INDUSTRIAL WASTE - TONS

WASTE MANAGEMENT:

1. THE ANALYTICAL RESULTS FOR THE IMPACTED SOILS TO BE EXCAVATED ARE INCLUDED WITH THESE BID DOCUMENTS AS ATTACHMENT B. EXCAVATED SOILS WILL BE RESTRICTED TO DISPOSAL AT AN AUTHORIZED PERMITTED LANDFILL. OFF-SITE REUSE OF THESE SOILS IS NOT PERMITTED. IT IS ANTICIPATED THAT APPROXIMATELY 117 CY (IN-PLACE) WILL BE EXCAVATED.
2. THE LANDFILL SELECTED FOR DISPOSAL SHALL BE APPROVED BY UPRR PRIOR TO CONSTRUCTION. LANDFILLS IN THE AREA INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:  
a. REPUBLIC SERVICES-MCCARTY ROAD LANDFILL, HOUSTON, TEXAS  
b. WASTE MANAGEMENT-COASTAL PLAINS SECURITY LANDFILL, ALVIN, TEXAS
3. CONTRACTOR SHALL COMPLY WITH OFF-SITE WASTE SHIPMENT REQUIREMENTS INCLUDING, U.S. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS CONTAINED IN 49 C.F.R. 173, AND 179 AND PLACARDED REGULATIONS IN 49 C.F.R. AND SHALL USE ONLY PERMITTED WASTE HAULERS, AS APPLICABLE. IF CONTRACTOR IS NOT TOED APPROVED, THE BELOW COMPANIES ARE UPRR APPROVED REMEDIATION CONTRACTORS THAT CAN ASSIST IN HANDLING THE SOILS:  
a. STERICYCLE ENVIRONMENTAL SOLUTIONS (713) 672-6100  
b. UNITED PROFESSIONAL SERVICE (817) 306-7882  
c. OIL MOP (281) 470-2016



R. Bryan Luper  
3-25-19



AS-BUILT

CLIENT	UNION PACIFIC RAILROAD CO.
PROJECT	ENGLEWOOD INTERMODAL YARD - NAPL SEEP REMEDIATION
TITLE	PROJECT NOTES
CONSULTANT	YYYY-MM-DD DESIGNED BZH PREPARED AD REVIEWED RBL/ECM APPROVED RBL/ECM
PROJECT NO	30401358-640
REV	0
FIGURE	5





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>1</b>	<b>Date:</b> 01/21/19		
<b>Description:</b>  Saw cutting activities of the pavement occurring on the west end of the excavation, viewing south.			
<b>Photo No.</b> <b>2</b>	<b>Date:</b> 01/21/19		
<b>Description:</b>  Saw cutting activities of the northern boundary of the excavation, viewing east.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>3</b>	<b>Date:</b> 01/22/19		
<b>Description:</b>  Jack hammer operations to break out the pavement located within the bounds of the small excavation, viewing northeast.			
<b>Photo No.</b> <b>4</b>	<b>Date:</b> 01/22/19		
<b>Description:</b>  Broken pavement within the bounds of the small excavation, viewing southeast.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>5</b>	<b>Date:</b> 01/23/19		
<b>Description:</b>  Stockpiles of asphalt and concrete located in stall A109 after being removed from the extent of both excavations.			
<b>Photo No.</b> <b>6</b>	<b>Date:</b> 01/23/19		
<b>Description:</b>  Excavation activities occurring in the large excavation, viewing southeast.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>7</b>	<b>Date:</b> 01/24/19		
<b>Description:</b>  Excavation activities occurring in the large excavation, viewing northwest.  NAPL material observed on the north wall of the large excavation.			
<b>Photo No.</b> <b>8</b>	<b>Date:</b> 01/24/19		
<b>Description:</b>  A seam of NAPL material encountered on the north wall of the large excavation.			





## PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Yard, 5500 Wallisville Road, Houston, Texas	Project No. 30401358
Photo No. 9	Date: 01/24/19		
Description:  Viewing excavated material placed into roll-off boxes on-site during excavation activities.  Roll-off boxes were stored at the southeast corner of the UPRR property.			
Photo No. 10	Date: 01/24/19		
Description:  HDPE Collection Vault (sump). 3/8" x 2'-1" openings.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>11</b>	<b>Date:</b> 01/25/19		
<b>Description:</b>  Viewing the east wall of the large excavation.  A seam of NAPL material observed on the east wall and in the southeast corner.			
<b>Photo No.</b> <b>12</b>	<b>Date:</b> 01/25/19		
<b>Description:</b>  Viewing excavation activities in the large excavation, viewing east.  A seam of NAPL material can be seen on the north wall of the excavation.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**13**

**Date:**  
01/25/19

**Description:**

Viewing excavation activities in the small excavation, viewing northwest.



**Photo No.**  
**14**

**Date:**  
01/25/19

**Description:**



Viewing excavation activities in the small excavation, viewing west.







## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>15</b>	<b>Date:</b> 01/25/19		
<b>Description:</b>  Viewing the large excavation upon completion of excavating activities.			
<b>Photo No.</b> <b>16</b>	<b>Date:</b> 01/28/19		
<b>Description:</b>  Viewing northwest toward A109 at the removal and loading process of the asphalt and concrete debris.  Material was loaded into dump trucks and transported off-site for disposal.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>17</b>	<b>Date:</b> 01/28/19		
<b>Description:</b>  Viewing northwest toward A109 upon completion of loading the asphalt and concrete for off-site transport and disposal.			
<b>Photo No.</b> <b>18</b>	<b>Date:</b> 01/29/19		
<b>Description:</b>  Drilling into the existing concrete activities to prepare for dowel installation, viewing southwest.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>19</b>	<b>Date:</b> 01/30/19		
<b>Description:</b>  Viewing the installation activities of the 8oz geotextile in the large excavation, viewing southwest.			
<b>Photo No.</b> <b>20</b>	<b>Date:</b> 01/30/19		
<b>Description:</b>  Placement activities of the 2-inch bunker rock into the large excavation after placement of the geotextile.  Leveling of the collection vault can be seen in the background.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**21**

**Date:**  
01/30/19

**Description:**

Placement of the 2-inch bunker rock in the large excavation, viewing west.



**Photo No.**  
**22**

**Date:**  
01/30/19

**Description:**

Viewing the small excavation after placement of the geotextile, bunker rock, and leveling activities of the collection vault.







## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>23</b>	<b>Date:</b> 01/30/19		
<b>Description:</b>  Compacting activities taking place in the north excavation, viewing southwest.			
<b>Photo No.</b> <b>24</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Viewing east at the large excavation after compacting the bunker rock.  Preparing for installation of the HDPE liner.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>25</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Installation of the HDPE liner within the large excavation, viewing southeast.			
<b>Photo No.</b> <b>26</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Placement of road base, viewing east.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**27**

**Date:**  
02/01/19

**Description:**

Compacting activities of the road base occurring in the large excavation.



**Photo No.**  
**28**

**Date:**  
02/01/19

**Description:**


EnviroCon Solutions on-site to complete the welding activities of the HDPE liner to the collection vaults.







## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>29</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Welding activities of the HDPE liner at the western-most collection vault.			
<b>Photo No.</b> <b>30</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Welding activities of the HDPE liner to the collection vault in the small excavation.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**31**

**Date:**  
02/01/19

**Description:**

Viewing the placement of the stainless-steel banding around the "middle" sump within the large excavation.



**Photo No.**  
**32**

**Date:**  
02/01/19

**Description:**


Viewing northwest at the final compaction activities of the road base within the large excavation taking place.









## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>33</b>	<b>Date:</b> 02/01/19		
<b>Description:</b>  Viewing northeast at the small excavation after final compaction activities of the road base.			
<b>Photo No.</b> <b>34</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing southwest at the large excavation during the installation and layout of the rebar to prepare for concrete pouring activities.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>35</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing west at the large excavation after the completion of the rebar installation.			
<b>Photo No.</b> <b>36</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing the small excavation during the installation of the rebar to prepare for concrete pouring activities.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**37**

**Date:**  
02/05/19

**Description:**

Viewing southeast at concrete pouring activities in the small excavation.



**Photo No.**  
**38**

**Date:**  
02/05/19

**Description:**



Viewing southeast at concrete pouring activities in the large excavation.







## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>39</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing southwest at concrete finishing activities in the large excavation.			
<b>Photo No.</b> <b>40</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing southwest at the large excavation upon completion of concrete finishing activities.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>41</b>	<b>Date:</b> 02/05/19		
<b>Description:</b>  Viewing east at the small excavation upon completion of concrete finishing activities.			
<b>Photo No.</b> <b>42</b>	<b>Date:</b> 02/06/19		
<b>Description:</b>  Viewing west at the placement of asphalt in the large excavation.			





## PHOTOGRAPHIC LOG

**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Yard, 5500 Wallisville Road, Houston, Texas

**Project No.**  
30401358

**Photo No.**  
**43**

**Date:**  
02/06/19

**Description:**

Viewing northeast at the rolling activities of the asphalt in the small excavation.



**Photo No.**  
**44**

**Date:**  
02/06/19

**Description:**

Viewing the frac tank on-site to pump the storm water into from the excavations.






## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>45</b>	<b>Date:</b> 2/14/16		
<b>Description:</b>  Viewing the small excavation after joint sealant placement activities.			
<b>Photo No.</b> <b>46</b>	<b>Date:</b> 2/14/19		
<b>Description:</b>  Viewing southwest at the large excavation after joint sealant placement activities.			





## PHOTOGRAPHIC LOG

<b>Client Name:</b> <b>Union Pacific Railroad</b>		<b>Site Location:</b> Englewood Yard, 5500 Wallisville Road, Houston, Texas	<b>Project No.</b> 30401358
<b>Photo No.</b> <b>47</b>	<b>Date:</b> 02/14/19		
<b>Description:</b>  Viewing northwest at the location of the large excavation upon the completion of painting activities			

<b>Performance Measures and Problems</b>	<b>RACR Worksheet 5.0</b>	<b>Page 1 of 1</b>
	<b>ID No. SWR No. 31547</b>	<b>Report Date: 03/26/19</b>

## Performance Measures

List and describe the performance measures for each environmental medium containing a PCLE zone that were used to determine if reasonable progress is being made by the response action in a timely manner. Provide documentation that these performance measures were met. Attach additional information if necessary.

Not applicable, physical barriers were constructed to meet the performance measures in a timely manner (construction completed within a month).

## Problems

Complete the table for the response action. When the response action consisted of several components or multiple actions, complete one table for each major component or action.

Response Action Name/Designation: Remedial Excavation Area

List the problems that were encountered during the response action, describe the impact of each problem, and the response to the problem.

Description of the Problem	Impact	Did this cause a response action failure?		Corrective Response
		Yes	No	
Significant rain event	Storm water management and disposal, resulted in approx. one day cumulative delay.		X	Containerized accumulated rain water in remedial excavation in on-site frac tank.



<b>Operation and Maintenance</b>	<b>RACR Worksheet 6.0</b>	<b>Page 1 of 1</b>
	ID No.: SWR No. 31547	Report Date: 03/26/19

Use this worksheet to describe the operation and maintenance (O&M) activities conducted for each response action.

Response Action Name/Designation: **Remedy Std. B – Soil/Concrete Cap, Asphalt Roadway**

List all portions of the response action to which this information applies. Repeat this worksheet for each major component or operation.

Describe the O&M and inspection activities that were conducted to operate and maintain response action components.

The inspection and maintenance program for the capped area is described within the RAP Worksheet 5.0 (PBW, 2015). UPRR will conduct weekly site inspections for the first six months after construction to monitor the performance of the NAPL collection system. If NAPL accumulates in the sumps, the NAPL will be recovered and disposed of at a permitted facility. Details of the NAPL recovery will be provided in subsequent PRACRs.

## **APPENDIX 4**

### **DATA TABLES, BORING LOGS, AND WELL COMPLETIONS**



**LOG OF BORING:**  
**SB-1-B108**



# Union Pacific Railroad



**SITE INFORMATION**

B-Row Remediation Sampling  
Englewood Intermodal Yard  
Houston, TX

PBW Project No. 1358-640

**PROJECT AND DRILLING INFORMATION**

Drilling Company:	Best Drilling Services	Borehole Diameter (in.):	2
Completion Date:	5/11/2018	Total Depth (ft):	9
Driller:	Carlos Estrada	Water Level (ft):	—
Driller's License:	58981	Latitude:	29.78418
Logged By:	Jacob Geesin	Longitude:	-95.32101
Drilling Method:	DPT	TOC Elev. (ft AMSL):	—
Sampling Method:	Continuous Core	Ground Elev. (ft AMSL):	—

Texas Geosciences Firm No. 50248

Depth (ft)	Recovery (ft/ft)	PID (ppm)	Sample	USCS	LITHOLOGIC DESCRIPTION
0	1.0/1.0			CON	(0.0 - 1.0) Concrete, asphalt, slight odor
1		0.0			
2		6.7		FILL	(1.0 - 3.6) FILL, asphalt, sand, black, glass fragments, no odor, clay content increases with depth. At 3.0' - 3.6', NAPL (black, rubbery, moderate odor, solid) present
3	4.0/4.0				
		5.4			
4				ML	(3.6 - 4.2) CLAYEY SILT, gray, soft, dry, slight odor, no plasticity
		0.8			
5				CL	(4.2 - 6.6) CLAY, gray, firm to hard, dry, medium plasticity, no odor, silt content increases with depth
		0.6			
6					
		0.0		ML	(6.6 - 7.0) CLAYEY SILT, light gray, soft, dry, no odor, no plasticity
7	3.0/4.0				
		0.0		CH	(7.0 - 8.0) CLAY, gray with orange mottling, hard, high plasticity, trace calcareous nodules (<1mm)
8					
		NR		NR	(8.0 - 9.0) NO RECOVERY
9					



2201 Double Creek Dr., Suite 4004  
Round Rock, Texas 78664  
O-512.671.3434 F-512.671.3446  
www.pbwllc.com

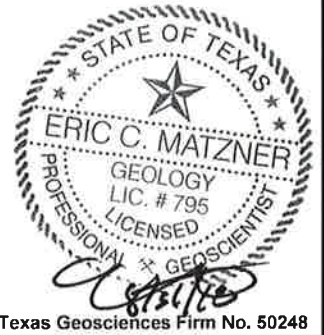
**Notes:**

- 1.) Boring plugged and abandoned upon completion of sampling activities.
- 2.) This boring log should not be used separate from its original report.
- 3.) NR - No Recovery

**LOG OF BORING:**  
**SB-2-B105**



**Union Pacific Railroad**



**SITE INFORMATION**

**PROJECT AND DRILLING INFORMATION**

B-Row Remediation Sampling  
Englewood Intermodal Yard  
Houston, TX

Drilling Company:  
Completion Date:  
Driller:  
Driller's License:  
Logged By:  
Drilling Method:  
Sampling Method:

Best Drilling Services  
5/11/2018  
Carlos Estrada  
58981  
Jacob Geesin  
DPT  
Continuous Core

Borehole Diameter (in.): 2  
Total Depth (ft): 9  
Water Level (ft):  
Latitude: 29.78418  
Longitude: -95.32092  
TOC Elev. (ft AMSL):  
Ground Elev. (ft AMSL):

PBW Project No. 1358-640

Texas Geosciences Firm No. 50248

Depth (ft)	Recovery (ft/ft)	PID (ppm)	Sample	USCS	LITHOLOGIC DESCRIPTION
0	1.0/1.0			CON	(0.0 - 1.0) Concrete
1		2.6			(1.0 - 2.0) Asphalt
2		8.1		FILL	(2.0 - 3.0) FILL, clay, black, wood fragments, at 2.0 - 3.0', NAPL (black, solid, rubbery), glass fragments, moderate odor, dry
3	4.0/4.0	0.0			
4		2.0		CL	(3.0 - 5.0) SILTY SANDY CLAY, gray, soft, slight odor, no plasticity
5		3.9			
6		1.4		CH	(5.0 - 8.0) CLAY, gray with orange mottling, hard to very hard, high plasticity, slight odor, silt present 7.6' - 7.8'
7	3.0/4.0	2.2			
8		NR		NR	(8.0 - 9.0) NO RECOVERY
9					



2201 Double Creek Dr., Suite 4004  
Round Rock, Texas 78664  
O:512.671.3434 F:512.671.3446  
www.pbwllc.com

**Notes:**

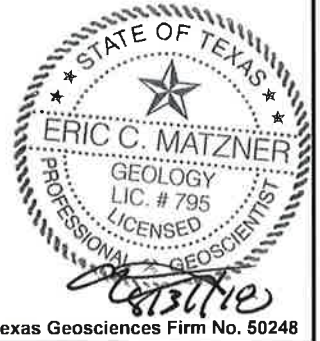
- 1.) Boring plugged and abandoned upon completion of sampling activities.
- 2.) This boring log should not be used separate from its original report.
- 3.) NR - No Recovery



**LOG OF BORING:  
SB-3-B100**



**Union Pacific Railroad**



**SITE INFORMATION**  
B-Row Remediation Sampling  
Englewood Intermodal Yard  
Houston, TX

PBW Project No. 1358-640

**PROJECT AND DRILLING INFORMATION**  
Drilling Company: Best Drilling Services  
Completion Date: 5/11/2018  
Driller: Carlos Estrada  
Driller's License: 58981  
Logged By: Jacob Geesin  
Drilling Method: DPT  
Sampling Method: Continuous Core  
Borehole Diameter (in.): 2  
Total Depth (ft): 9  
Water Level (ft): —  
Latitude: 29.78426  
Longitude: -95.32078  
TOC Elev. (ft AMSL): —  
Ground Elev. (ft AMSL): —

Texas Geosciences Firm No. 50248

Depth (ft)	Recovery (ft/ft)	PID (ppm)	Sample	USCS	LITHOLOGIC DESCRIPTION
0	1.0/1.0			CON	(0.0 - 1.0) Concrete, asphalt
1		6.0			
2		8.9		FILL	(1.0 - 3.3) FILL, asphalt, gravel (>2mm), black, glass fragments, slight odor. At 3.0' - 3.3', NAPL (black, solid, rubbery, moderate odor) present
3	3.5/4.0	10.3			
4		3.6		CL	(3.3 - 4.5) SILTY CLAY, gray, soft to firm, slight odor, low to medium plasticity
5				NR	(4.5 - 5.0) NO RECOVERY
6		0.6			
7	3.0/4.0	1.2		CH	(5.0 - 8.0) CLAY, gray with orange mottling, hard, high plasticity, slight odor
8					
9		NR		NR	(8.0 - 9.0) NO RECOVERY



2201 Double Creek Dr., Suite 4004  
Round Rock, Texas 78664  
O-512.671.3434 F-512.671.3446  
www.pbwllc.com

**Notes:**

- 1.) Boring plugged and abandoned upon completion of sampling activities.
- 2.) This boring log should not be used separate from its original report.
- 3.) NR - No Recovery

**APPENDIX 8**  
**WASTE DISPOSITION**



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>T X D 0 0 0 8 2 0 2 6 6</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(713) 258-8885</b>	4. Manifest Tracking Number <b>017550226 JJK</b>	
5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179</b>			Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026</b>			
Generator's Phone: <b>414 287-4164</b>						
6. Transporter 1 Company Name <b>Industrial Waste Solutions</b>			U.S. EPA ID Number <b>TXE 000083231</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b>			U.S. EPA ID Number			
Facility's Phone: <b>281 835-8142</b>			<b>T X R 0 0 0 0 8 4 5 9 2</b>			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	<b>SOIL AND DEBRIS (WR# 20842)</b>	<b>0 0 1</b>	<b>CM</b>	<b>15</b>	<b>Y</b>	<b>0400 3011</b>
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>PROFILE # 5112191705, EXP 10/17/19</b> <b>Box # RT 255019</b> <b>KON JOB # 272-01-19</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name <b>Gres Blomquist Agent for UPRR</b>		Signature <i>Gres Blomquist</i>		Month Day Year <b>12/14/19</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>David Speed</b>		Signature <i>David Speed</i>		Month Day Year <b>12/15/19</b>		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) <i>N/A</i> Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H132</b>	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <i>Blue Ridge Landfill</i>		Signature <i>[Signature]</i>		Month Day Year <b>12/15/19</b>		



TE BLUE RIDGE LANDFILL 281-835-6142  
2200 FM 521 Fresno, TX 77545

STOMER 100922  
IKON ENVIRONMENTAL SOLUTIONS LP  
1102 RALPHCREST DRIVE  
HOUSTON, TX 77039  
Contract:5112191705-1  
Generator:UNION PACIFIC RAILROAD

SITE Y9	TICKET # 1209802	CELL
WEIGHMASTER IN - Benito C. OUT - Daniel G.		
DATE/TIME IN 2/15/19 9:33 am		DATE/TIME OUT 2/15/19 10:05 am
VEHICLE IWS7091		CONTAINER 20N
REFERENCE 272-01-19		
BILL OF LADING 017550226JJK		

SCALE IN GROSS WEIGHT 81,760 NET TONS 19.70  
SCALE OUT TARE WEIGHT 42,360 NET WEIGHT 39,400

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

IS-F042UPR (07/12)

SIGNATURE

TE BLUE RIDGE LANDFILL 281-835-6142  
2200 FM 521 -Fresno, TX 77545

STOMER 100922  
IKON ENVIRONMENTAL SOLUTIONS LP  
1102 RALPHCREST DRIVE  
HOUSTON, TX 77039  
Contract:5112191705-1  
Generator:UNION PACIFIC RAILROAD

SITE Y9	TICKET # 1209802	CELL
WEIGHMASTER IN - Benito C. OUT - Daniel G.		
DATE/TIME IN 2/15/19 9:33 am		DATE/TIME OUT 2/15/19 10:05 am
VEHICLE IWS7091		CONTAINER 20N
REFERENCE 272-01-19		
BILL OF LADING 017550226JJK		

SCALE IN GROSS WEIGHT 81,760 NET TONS 19.70  
SCALE OUT TARE WEIGHT 42,360 NET WEIGHT 39,400

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
			TNRCC - CLASS 1		Tax Total \$118.20	

Payment(s)

NET AMOUNT

TENDERED  
\$0.00

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

S-F042UPR (07/12)

SIGNATURE



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>T X D 0 0 0 8 2 0 2 6 6</b>		2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(713) 258-8885</b>		4. Manifest Tracking Number <b>013357574 JJK</b>			
		5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha, NE 68179</b>		Att: Kevin Peterburs		Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026</b>				
Generator's Phone: <b>414 267-4164</b>		6. Transporter 1 Company Name <b>Space City Services</b>			U.S. EPA ID Number <b>TXR000083186</b>					
7. Transporter 2 Company Name					U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b>		Facility's Phone: <b>281 835-6142</b>			U.S. EPA ID Number <b>TXR000084592</b>					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) <b>SOIL AND DEBRIS (WR# 20842)</b>			10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
					No.	Type				
					<b>0 0 1</b>	<b>CM</b>	<b>15</b>	<b>Y</b>	<b>0400</b>	<b>3011</b>
	2.									
	3.									
	4.									
14. Special Handling Instructions and Additional Information <b>PROFILE # 5112181705, EXP. 10/17/19. IKON JOB # 272-01-10</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name <b>Gres Blomquist Agent for UPRR</b>										
Signature <b>Gres Blomquist</b>										
Month Day Year <b>2/19/19</b>										
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	Transporter signature (for exports only): _____									
	17. Transporter Acknowledgment of Receipt of Materials									
DESIGNATED FACILITY	Transporter 1 Printed/Typed Name <b>Allen Simsen</b>									
	Signature <b>Allen Simsen</b>									
	Month Day Year <b>2/19/19</b>									
Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____										
18. Discrepancy										
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
Manifest Reference Number _____										
18b. Alternate Facility (or Generator)										
Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. <b>H132</b> 2. 3. 4.										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <b>Samuel Roman Jr</b>										
Signature <b>Samuel Roman Jr</b>										
Month Day Year <b>2/19/19</b>										

SITE	TICKET #	CELL
Y9	1210287	
WEIGHMASTER		
DATE/TIME IN	IN Daniel G.	OUT Denito C.
VEHICLE	2/19/19 2:17 pm	CONTAINER 2/19/19 3:04 pm
REFERENCE	SCS6003	
BILL OF LADING	272-01-19	
	013357574JJK	

[illegible]

## CHECK

**SIGNATURE**

<b>SITE Y9</b>	<b>TICKET #</b> 1210287	<b>CELL</b>
<b>WEIGHMASTER</b> IN - Daniel G. OUT - Benito C.		
<b>DATE/TIME IN</b> 2/19/19 2:17 pm	<b>DATE/TIME OUT</b> 2/19/19 3:04 pm	
<b>VEHICLE</b> SCS6003	<b>CONTAINER</b>	
<b>REFERENCE</b> 272-01-19		
<b>BILL OF LADING</b> 013357574 JIK		

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	yd	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE -			\$0.00	
		DATA & IMAGE UPLOAD				
			TNRCC	CLASS 1		
					Tax Total	
					\$124.38	
				Payment(s)		

## CHECK#

**SIGNATURE**



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>T X D 0 0 8 2 0 2 8 8</b>		2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(713) 258-8885</b>		4. Manifest Tracking Number <b>017550097 JJK</b>		
5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179</b>				Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77028</b>					
Generator's Phone: <b>414 287-4164</b>				U.S. EPA ID Number <b>TXR000083186</b>					
6. Transporter 1 Company Name <b>Spore City Services</b>				U.S. EPA ID Number					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b>				U.S. EPA ID Number <b>TXR000084592</b>					
Facility's Phone: <b>281 835-6142</b>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		<b>SOIL AND DEBRIS (WR# 20842)</b>			<b>0 0 1 CM</b>		<b>15</b>	<b>Y</b>	<b>0400 3011</b>
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information <b>PROFILE # 5112191705, EXP. 10/17/19, IKON JOB # 272-01-19</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name: <b>Griez Blomquist</b> Agent for UPRR <b>Griez Blomquist</b> Signature: <b>Griez Blomquist</b> ✓ Month: <b>2</b> Day: <b>14</b> Year: <b>19</b>									
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <b>Allen Simmen</b> Signature: <b>Allen Simmen</b> ✓ Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____								
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ U.S. EPA ID Number: _____								
	18b. Alternate Facility (or Generator) Facility's Phone: _____ U.S. EPA ID Number: _____								
	18c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____								
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. <b>H132</b> 2. _____ 3. _____								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed Name: <b>David Hannon</b> Signature: <b>David Hannon</b> ✓ Month: <b>2</b> Day: <b>14</b> Year: <b>19</b>									

**SITE**  
**BLUE RIDGE LANDFILL 281-835-6142**  
**2200 FM 521 Fresno, TX 77545**

**CUSTOMER**  
 100922  
 IKON ENVIRONMENTAL SOLUTIONS LP  
 1102 RALPHCREST DRIVE  
 HOUSTON, TX 77039  
 Contract:5112191705-1  
 Generator:UNION PACIFIC RAILROAD

**SITE** Y9 **TICKET #** 1210215 **CELL**

**WEIGHMASTER** IN - Daniel G. OUT - Benito C.

**DATE/TIME IN** 2/19/19 9:45 am **DATE/TIME OUT** 2/19/19 10:42 am

**VEHICLE** SCS6003 **CONTAINER**

**REFERENCE** 272-01-19

**BILL OF LADING** 017550097JJK

SCALE IN GROSS WEIGHT 87,400 NET TONS 22.64  
 SCALE OUT TARE WEIGHT 42,120 NET WEIGHT 45,280

INBOUND  
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
					Tax Total	
					TNRCC - CLASS 1	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

**SITE** **BLUE RIDGE LANDFILL 281-835-6142**  
**2200 FM 521 -Fresno, TX 77545**

**CUSTOMER** 100922  
 IKON ENVIRONMENTAL SOLUTIONS LP  
 1102 RALPHCREST DRIVE  
 HOUSTON, TX 77039  
 Contract:5112191705-1  
 Generator:UNION PACIFIC RAILROAD

**SITE** Y9 **TICKET #** 1210215 **CELL**

**WEIGHMASTER** IN - Daniel G. OUT - Benito C.

**DATE/TIME IN** 2/19/19 9:45 am **DATE/TIME OUT** 2/19/19 10:42 am

**VEHICLE** SCS6003 **CONTAINER**

**REFERENCE** 272-01-19

**BILL OF LADING** 017550097JJK

SCALE IN GROSS WEIGHT 87,400 NET TONS 22.64  
 SCALE OUT TARE WEIGHT 42,120 NET WEIGHT 45,280

INBOUND  
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
					Tax Total	\$135.84
					TNRCC - CLASS 1	

Payment(s)

NET AMOUNT

TENDERED

\$0.00

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



Trk 6003

RT25/600

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD000820200	2. Page 1 of 1	3. Emergency Response Phone (713) 256-8888	4. Manifest Tracking Number <b>017550295 JJK</b>		
5. Generator's Name and Mailing Address <b>Union Pacific Railroad</b> 1400 Douglas Street - Stop 1030 Omaha NE 68179		Generator's Name <b>Mr Kevin Petersburg</b>		Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad</b> 5500 Wallisville Rd Houston TX 77026			
Generator's Phone: <b>414 267-4184</b>				U.S. EPA ID Number <b>TXR 000083186</b>			
6. Transporter 1 Company Name <b>Space City Service</b>				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL</b> 2200 FM 521 RD FRESNO TX 77545				U.S. EPA ID Number <b>TXR 000084502</b>			
Facility's Phone: <b>281 835-0142</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes	
	<b>SOIL AND DEBRIS (WV# 20842)</b>	<b>001 CM</b>		<b>15</b>	<b>Y</b>	<b>0400 3011</b>	
2							
3							
4							
14. Special Handling Instructions and Additional Information <b>PROFILE 01/20/05 EXP 10/7/10 IKON JOB #272-01-10</b>							
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name <b>Oleg Blomquist on behalf of UPRR</b>				Signature <b>Oleg Blomquist</b>		Month Day Year <b>2 20 19</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Allen Simsen</b>				Signature <b>Allen Simsen</b>		Month Day Year <b>2 21 19</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>H132</b>	2.	3.	4.				
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Samuel Newman</b>				Signature <b>Samuel Newman</b>		Month Day Year <b>2 21 19</b>	

Republic Services  
2200 FM 521 (PO BOX 8745)  
Fresno, TX 77545  
FEB 21 2019  
Blue Ridge Landfill  
Permit# 15051  
SWR# 88428



<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210525	
<b>WEIGHMASTER</b>	IN - Daniel G. OUT - Benito C.	
<b>DATE/TIME IN</b>	2/21/19 10:14 am	<b>DATE/TIME OUT</b> 2/21/19 11:21 am
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	017550295JJK	

SCALE IN GROSS WEIGHT 84,380 NET TONS 20.45  
SCALE OUT TARE WEIGHT 43,480 NET WEIGHT 40,900

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
			TNRCC - CLASS 1		Tax Total 0	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210525	
<b>WEIGHMASTER</b>	IN - Daniel G. OUT - Benito C.	
<b>DATE/TIME IN</b>	2/21/19 10:14 am	<b>DATE/TIME OUT</b> 2/21/19 11:21 am
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	017550295JJK	

SCALE IN GROSS WEIGHT 84,380 NET TONS 20.45  
SCALE OUT TARE WEIGHT 43,480 NET WEIGHT 40,900

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
			TNRCC - CLASS 1		Tax Total \$122.70	

Payment(s)

NET AMOUNT

TENDERED

\$0.00

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



Trk 6003

RT 251200

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0089

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD0000820288	2. Page 1 of 1	3. Emergency Response Phone (713) 258-8885	4. Manifest Tracking Number 017550300 JJK						
5. Generator's Name and Mailing Address Union Pacific Railroad 1480 Douglas Street - Stop 1030 Omaha NE 68179			Generator's Site Address (if different than mailing address) Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77028								
Generator's Phone: 414 287-4184			U.S. EPA ID Number TXR000083186								
6. Transporter 1 Company Name Space City Services			U.S. EPA ID Number								
7. Transporter 2 Company Name			U.S. EPA ID Number								
8. Designated Facility Name and Site Address BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545			U.S. EPA ID Number TXR000084592								
Facility's Phone: 281 835-8142											
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) SOIL AND DEBRIS (WR# 20842)		10. Containers		11. Total Quantity 15	12. Unit Wt./Vol. Y	13. Waste Codes 0400 3011				
			No.	Type							
			001	CM							
2.											
3.											
4.											
14. Special Handling Instructions and Additional Information PROFILE #5112191705, EXP 10/17/19 IKON JOB #272-01-19											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name Greg Blomquist on behalf of UPRR						Signature Greg Blomquist			Month 2	Day 20	Year 19
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name Allen Sumner						Signature Allen Sumner			Month 2	Day 20	Year 19
Transporter 2 Printed/Typed Name						Signature			Month	Day	Year
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number:											
18b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:											
18c. Signature of Alternate Facility (or Generator)											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. H132			2.			3.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a											
Printed/Typed Name Blum						Signature Blum			Month	Day	Year

Republic Services  
2200 FM 521 (PO BOX 879)  
Fresno, TX 77545

FEB 22 2019

Blue Ridge Landfill  
Permit # 1585A  
SWR# 89429

Blum / Solio



**SITE**  
**BLUE RIDGE LANDFILL 281-835-6142**  
**2200 FM 521 Fresno, TX 77545**

**CUSTOMER**  
 100922  
 IKON ENVIRONMENTAL SOLUTIONS LP  
 1102 RALPHCREST DRIVE  
 HOUSTON, TX 77039  
 Contract:5112191705-1  
 Generator:UNION PACIFIC RAILROAD

**SITE** Y9 **TICKET #** 1210659 **CELL**

**WEIGHMASTER** IN - Benito C. OUT - Michael N.

**DATE/TIME IN** 2/22/19 9:06 am **DATE/TIME OUT** 2/22/19 9:51 am

**VEHICLE** SCS6003 **CONTAINER**

**REFERENCE** 272-01-19

**BILL OF LADING** 017550300JJK

SCALE IN GROSS WEIGHT 90,500 NET TONS 23.91  
 SCALE OUT TARE WEIGHT 42,680 NET WEIGHT 47,820

INBOUND  
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL	Origin:TNRCC-CLASS1(IN TEX) 100%			
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
TNRCC - CLASS 1					Tax Total \$143.46	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

**SITE** **BLUE RIDGE LANDFILL 281-835-6142**  
**2200 FM 521 -Fresno, TX 77545**

**CUSTOMER** 100922  
 IKON ENVIRONMENTAL SOLUTIONS LP  
 1102 RALPHCREST DRIVE  
 HOUSTON, TX 77039  
 Contract:5112191705-1  
 Generator:UNION PACIFIC RAILROAD

**SITE** Y9 **TICKET #** 1210659 **CELL**

**WEIGHMASTER** IN - Benito C. OUT - Michael N.

**DATE/TIME IN** 2/22/19 9:06 am **DATE/TIME OUT** 2/22/19 9:51 am

**VEHICLE** SCS6003 **CONTAINER**

**REFERENCE** 272-01-19

**BILL OF LADING** 017550300JJK

SCALE IN GROSS WEIGHT 90,500 NET TONS 23.91  
 SCALE OUT TARE WEIGHT 42,680 NET WEIGHT 47,820

INBOUND  
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL	Origin:TNRCC-CLASS1(IN TEX) 100%			
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
TNRCC - CLASS 1					Tax Total \$	

Payment(s)

NET AMOUNT

TENDERED  
\$0.00

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>TXD000820288</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>(713) 258-8885</b>		4. Manifest Tracking Number <b>017550301 JJK</b>							
		5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68178</b> Generator's Phone: <b>414 287-4184</b>						Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026</b>							
<b>GENERATOR</b>		6. Transporter 1 Company Name <b>Space City Services</b>						U.S. EPA ID Number <b>TXR00083186</b>							
		7. Transporter 2 Company Name						U.S. EPA ID Number							
<b>DESIGNATED FACILITY</b>		8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b> Facility's Phone: <b>281 835-8142</b>						U.S. EPA ID Number <b>TXR00084592</b>							
		9a. HM <b>SOILAND DEBRIS (WR# 20842)</b>						9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. <b>001</b> Type <b>CM</b>		11. Total Quantity <b>15 y</b>		12. Unit WL/Vol. <b>y</b>	
<b>TRANSPORTER</b>		14. Special Handling Instructions and Additional Information <b>PROFILE # 5112101705, EXP. 10/17/10, IRON JOB # 272-01-10</b>													
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
<b>INTL</b>		16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>Allen Simmen</b> Signature <b>Allen Simmen</b> Month <b>2</b> Day <b>20</b> Year <b>19</b>							
								Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____							
<b>DESIGNATED FACILITY</b>		18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____													
		18b. Alternate Facility (or Generator) Facility's Phone: _____						U.S. EPA ID Number <b>TXR00084592</b>							
<b>DESIGNATED FACILITY</b>		18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____													
		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. <b>H132</b> 2. _____ 3. _____ 4. _____													
<b>DESIGNATED FACILITY</b>		20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name <b>Samuel Norman</b> Signature <b>Samuel Norman</b> Month <b>2</b> Day <b>20</b> Year <b>19</b>													
		_____													



BLUE RIDGE LANDFILL 281-835-6142  
2200 FM 521 Fresno, TX 77545

CUSTOMER

100922  
IKON ENVIRONMENTAL SOLUTIONS LP  
1102 RALPHCREST DRIVE  
HOUSTON, TX 77039  
Contract:5112191705-1  
Generator:UNION PACIFIC RAILROAD

SITE	TICKET #	CELL
Y9	1210732	
WEIGHMASTER Daniel G.		
DATE/TIME IN	2/22/19 1:25 pm	DATE/TIME OUT 2/22/19 2:08 pm
VEHICLE	SCS6003	CONTAINER
REFERENCE	272-01-19	
BILL OF LADING	017550301JJK	

SCALE IN GROSS WEIGHT 79,620 NET TONS 18.48  
SCALE OUT TARE WEIGHT 42,660 NET WEIGHT 36,960

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
TNRCC - CLASS 1					Tax Total \$110.88	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE

SITE BLUE RIDGE LANDFILL 281-835-6142  
2200 FM 521 -Fresno, TX 77545

CUSTOMER 100922

IKON ENVIRONMENTAL SOLUTIONS LP  
1102 RALPHCREST DRIVE  
HOUSTON, TX 77039  
Contract:5112191705-1  
Generator:UNION PACIFIC RAILROAD

SITE	TICKET #	CELL
Y9	1210732	
WEIGHMASTER Daniel G.		
DATE/TIME IN	2/22/19 1:25 pm	DATE/TIME OUT 2/22/19 2:08 pm
VEHICLE	SCS6003	CONTAINER
REFERENCE	272-01-19	
BILL OF LADING	017550301JJK	

SCALE IN GROSS WEIGHT 79,620 NET TONS 18.48  
SCALE OUT TARE WEIGHT 42,660 NET WEIGHT 36,960

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
TNRCC - CLASS 1					Tax Total \$110.88	

Payment(s)

NET AMOUNT

TENDERED

\$0.00

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE



Trk 6003

RT 2510 35

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD0000820286	2. Page 1 of 1	3. Emergency Response Phone (713) 250-8885	4. Manifest Tracking Number 017550299 JJK	
5. Generator's Name and Mailing Address Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179 Generator's Phone: 414 287-4184			Generator's Site Address (if different than mailing address) Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026			
6. Transporter 1 Company Name Space City Service			U.S. EPA ID Number TXR000083186			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545 Facility's Phone: 281 835-6142			U.S. EPA ID Number TXR000084582			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	SOIL AND DEBRIS (WR# 20842)		001	CM	15	Y
13. Waste Codes 0400 3011						
14. Special Handling Instructions and Additional Information PROFILE # 5112191705, EXP. 10/17/10 IKON JOB # 272-01-10						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Greg Blomquist on behalf of						
Signature Greg Blomquist						
Month Day Year 2 20 15						
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Allen Smith						
Signature Allen Smith						
Month Day Year 2 20 19						
Transporter 2 Printed/Typed Name Greg Blomquist on behalf of UPRR						
Signature Greg Blomquist						
Month Day Year 2 20 19						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)						
Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132		2.		3.		
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Donald Herman Jr						
Signature Donald Herman Jr						
Month Day Year 2 20 19						

Republic Services  
2200 FM 521 (PO BOX 879)  
Fresno, TX 77545

FEB 21 2019

Blue Ridge Landfill  
Permit #1408A  
SWP# 20008



<b>SITE</b> BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 Fresno, TX 77545	
<b>CUSTOMER</b> 100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	

<b>SITE</b> Y9	<b>TICKET #</b> 1210597	<b>CELL</b>
<b>WEIGHMASTER</b>		
IN - Daniel G. OUT - Benito C.		
<b>DATE/TIME IN</b> 2/21/19 2:47 pm	<b>DATE/TIME OUT</b> 2/21/19 4:00 pm	
<b>VEHICLE</b> SCS6003	<b>CONTAINER</b>	
<b>REFERENCE</b> 272-01-19		
<b>BILL OF LADING</b> 017550299JJK		

SCALE IN GROSS WEIGHT 87,720 NET TONS 22.11  
 SCALE OUT TARE WEIGHT 43,500 NET WEIGHT 44,220

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			1.00	
TNRCC - CLASS 1					Tax Total 16	

Payment(s)

NET AMOUNT

TENDERED

CHANGE \$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

<b>SITE</b> BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545	
<b>CUSTOMER</b> 100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	

<b>SITE</b> Y9	<b>TICKET #</b> 1210597	<b>CELL</b>
<b>WEIGHMASTER</b>		
IN - Daniel G. OUT - Benito C.		
<b>DATE/TIME IN</b> 2/21/19 2:47 pm	<b>DATE/TIME OUT</b> 2/21/19 4:00 pm	
<b>VEHICLE</b> SCS6003	<b>CONTAINER</b>	
<b>REFERENCE</b> 272-01-19		
<b>BILL OF LADING</b> 017550299JJK		

SCALE IN GROSS WEIGHT 87,720 NET TONS 22.11  
 SCALE OUT TARE WEIGHT 43,500 NET WEIGHT 44,220

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
TNRCC - CLASS 1					Tax Total \$132.66	

Payment(s)

NET AMOUNT

TENDERED \$0.00

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



TKK 6003

RT 250573

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD0000820268	2. Page 1 of 1	3. Emergency Response Phone (713) 258-8685	4. Manifest Tracking Number 017550096 JJK	
5. Generator's Name and Mailing Address Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179		Att: Kevin Peterburs		Generator's Site Address (if different than mailing address) Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77028		
Generator's Phone: 414 267-4184		U.S. EPA ID Number TXR000083186				
6. Transporter 1 Company Name Space City Services		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545		U.S. EPA ID Number TXR0000084592				
Facility's Phone: 281 835-6142						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	SOIL AND DEBRIS (WR# 20842)	001	CM	15	Y	0400 3011
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information PROFILE # 5112101705, EXP. 10/17/19. IKON JOB # 272-01-19						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40.CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Greg Blomquist Agent for UPRR		Signature Greg Blomquist		Month Day Year 12/14/19		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Allen Simben		Signature Allen Simben		Month Day Year 12/15/19		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone:		Republic Services 2200 FM 521 (PO BOX 879) Fresno, TX 77545				
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132	2.	3.	4. FEB 18 2019			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		Blue Ridge Landfill				
Printed/Typed Name		Signature		Permit # 1505A SVR# 89429		
				Month Day Year 12/18/19		



<b>SITE</b> BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 Fresno, TX 77545	
<b>CUSTOMER</b> 100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210029	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>	2/18/19 8:47 am	<b>DATE/TIME OUT</b>
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	017550096JJK	

SCALE IN GROSS WEIGHT	79,400	NET TONS	18.19	INBOUND
SCALE OUT TARE WEIGHT	43,020	NET WEIGHT	36,380	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE

<b>SITE</b> BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545	
<b>CUSTOMER</b> 100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210029	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>	2/18/19 8:47 am	<b>DATE/TIME OUT</b>
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	017550096JJK	

SCALE IN GROSS WEIGHT	79,400	NET TONS	18.19	INBOUND
SCALE OUT TARE WEIGHT	43,020	NET WEIGHT	36,380	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1			\$0.00	
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD			\$0.00	
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

\$0.00

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE



RT 250467

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD0000820286	2. Page 1 of 1	3. Emergency Response Phone (713) 258-8885	4. Manifest Tracking Number <b>017550227 JJK</b>		
5. Generator's Name and Mailing Address Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179 Generator's Phone: 414 287-4184			Generator's Site Address (if different than mailing address) Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026				
6. Transporter 1 Company Name Space City Services			U.S. EPA ID Number TXR000083186				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545 Facility's Phone: 281 835-8142			U.S. EPA ID Number TXR000084582				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
			No.	Type			
		SOIL AND DEBRIS (WR# 20842)	001	CM	15	y	0400 3011
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information PROFILE #5112191705; EXP: 10/17/19; KON JOB # 272-01-19							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Greg Blomquist Agent for UPR							
Signature Greg Blomquist							
Month Day Year 2/14/19							
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.						
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Allen Samson						
	Signature Allen Samson						
	Month Day Year 2/15/19						
	Transporter 2 Printed/Typed Name						
	Signature						
	Month Day Year						
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator)						
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)						
	Month Day Year						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
	1. H132	2.	3.				
	20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
	Printed/Typed Name Allen Samson						
	Signature						
	Month Day Year 2/15/19						



<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1209838	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>		<b>DATE/TIME OUT</b>
2/15/19 11:05 am		2/15/19 11:54 am
<b>VEHICLE</b>	<b>CONTAINER</b>	
SCS6003		
<b>REFERENCE</b>		
272-01-19		
<b>BILL OF LADING</b>		
017550227JJK		

SCALE IN GROSS WEIGHT	81,360	NET TONS	19.38	INBOUND
SCALE OUT TARE WEIGHT	42,600	NET WEIGHT	38,760	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD				
Origin:TNRCC-CLASS1(IN TEX) 100%						
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT
TENDERED
CHANGE \$0.00
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1209838	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>		<b>DATE/TIME OUT</b>
2/15/19 11:05 am		2/15/19 11:54 am
<b>VEHICLE</b>	<b>CONTAINER</b>	
SCS6003		
<b>REFERENCE</b>		
272-01-19		
<b>BILL OF LADING</b>		
017550227JJK		

SCALE IN GROSS WEIGHT	81,360	NET TONS	19.38	INBOUND
SCALE OUT TARE WEIGHT	42,600	NET WEIGHT	38,760	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE - DATA & IMAGE UPLOAD				
Origin:TNRCC-CLASS1(IN TEX) 100%						
			TNRCC - CLASS 1		Tax Total	
				PaymentL(s)		

NET AMOUNT
TENDERED \$0.00
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



TK 6003

KY 250.088

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXD000820266	2. Page 1 of 1	3. Emergency Response Phone (713) 258-8885	4. Manifest Tracking Number 013357578 JJK			
5. Generator's Name and Mailing Address Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179 Generator's Phone: 414 267-4164		Att: Kevin Peterburs		Generator's Site Address (if different than mailing address) Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77028				
6. Transporter 1 Company Name Space City Services				U.S. EPA ID Number TXR000083186				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545 Facility's Phone: 281 835-6142				U.S. EPA ID Number TXR000084592				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	SOIL AND DEBRIS (WR# 20842)		No.	Type				
			001	CM	-15	Y	0400	3011
	2.							
	3.							
4.								
14. Special Handling Instructions and Additional Information PROFILE # 5112101705, EXP. 10/17/19, IKON JOB # 272-01-19								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Greg Blouquist agent for UPRR				Signature Greg Blouquist		Month Day Year 2/14/19		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Allen Samien Signature Allen Samien Month Day Year 2/20/19 Transporter 2 Printed/Typed Name Signature Month Day Year								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year								

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210427	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>	2/20/19 2:20 pm	<b>DATE/TIME OUT</b>
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	013357578JJK	

SCALE IN GROSS WEIGHT	82,460	NET TONS	20.19
SCALE OUT TARE WEIGHT	42,080	NET WEIGHT	40,380

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE -			.00	
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

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RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210427	
<b>WEIGHMASTER</b>		
IN - Benito C. OUT - Daniel G.		
<b>DATE/TIME IN</b>	2/20/19 2:20 pm	<b>DATE/TIME OUT</b>
<b>VEHICLE</b>	SCS6003	<b>CONTAINER</b>
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	013357578JJK	

SCALE IN GROSS WEIGHT	82,460	NET TONS	20.19
SCALE OUT TARE WEIGHT	42,080	NET WEIGHT	40,380

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE -			.00	
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

\$0.00

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE \_\_\_\_\_



378

RT250014

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>T X D 0 0 0 8 2 0 2 6 6</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(713) 256-8685</b>	4. Manifest Tracking Number <b>013357575 JJK</b>
5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179</b>		Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77026</b>			
Generator's Phone: <b>4 1 4 2 6 7 - 4 1 6 4</b>					
6. Transporter 1 Company Name <del>Space City Services</del>		U.S. EPA ID Number <b>TXR000083186</b>			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b>		U.S. EPA ID Number <b>TXR000084592</b>			
Facility's Phone: <b>281 835-6142</b>					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) <b>SOIL AND DEBRIS (WR# 20842)</b>	10. Containers		11. Total Quantity
			No.	Type	12. Unit WL/Vol.
			<b>0 0 1</b>	<b>CM</b>	<b>15</b>
	<b>2</b>				<b>Y</b>
					13. Waste Codes
					<b>0400 3011</b>
14. Special Handling Instructions and Additional Information <b>PROFILE # 5112197705, EXP. 10/17/19, IKON JOB # 272-01-19</b>					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Offor's Printed/Typed Name <b>Grez Blomquist Agent for UPRR</b>					
Signature <i>Grez Blomquist</i>					
Month Day Year <b>12/14/19</b>					
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/ext: _____				
	Transporter signature (for exports only): _____ Date leaving U.S.: _____				
	17. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name <b>Allen Sornien</b>		Signature <i>Allen Sornien</i>		Month Day Year <b>2/20/19</b>
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy				
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
	Manifest Reference Number: _____				
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____				
	Facility's Phone: _____				
	18c. Signature of Alternate Facility (or Generator) _____				
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a				
	Printed/Typed Name <b>Michael J.</b>		Signature <i>Michael J.</i>		Month Day Year <b>12/20/19</b>

Republic Services  
 2200 FM 521 (PO BOX 875)  
 Fresno, TX 77545  
**FEB 20 2019**  
 Blue Ridge Landfill  
 Permit # 1505A  
 SWR# 89429

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 - Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210375	
<b>WEIGHMASTER</b>		
IN - Michael N. OUT - Daniel G.		
<b>DATE/TIME IN</b>	<b>DATE/TIME OUT</b>	
2/20/19 10:18 am	2/20/19 10:59 am	
<b>VEHICLE</b>	<b>CONTAINER</b>	
SCS6003		
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	013357575JJK	

SCALE IN GROSS WEIGHT	80,800	NET TONS	19.61	INBOUND
SCALE OUT TARE WEIGHT	41,580	NET WEIGHT	39,220	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
		Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE -				
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment (s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE

<b>SITE</b>	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545
<b>CUSTOMER</b>	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD

<b>SITE</b>	<b>TICKET #</b>	<b>CELL</b>
Y9	1210375	
<b>WEIGHMASTER</b>		
IN - Michael N. OUT - Daniel G.		
<b>DATE/TIME IN</b>	<b>DATE/TIME OUT</b>	
2/20/19 10:18 am	2/20/19 10:59 am	
<b>VEHICLE</b>	<b>CONTAINER</b>	
SCS6003		
<b>REFERENCE</b>	272-01-19	
<b>BILL OF LADING</b>	013357575JJK	

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15.00	yd	SW-CONT SOIL				
		Origin:TNRCC-CLASS1(IN TEX) 100%				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				
1.00		EPA MANIFEST FEE -				
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment (s)

NET AMOUNT

TENDERED

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CHANGE

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>T X D 0 0 0 8 2 0 2 6 6</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>(713) 256-8685</b>		4. Manifest Tracking Number <b>017086989 JJK</b>			
		5. Generator's Name and Mailing Address <b>Union Pacific Railroad 1400 Douglas Street - Stop 1030 Omaha NE 68179</b>				Generator's Site Address (if different than mailing address) <b>Union Pacific Railroad 5500 Wallisville Rd. Houston TX 77028</b>					
		Generator's Phone: <b>4 1 4 2 6 7 - 4 1 6 4</b>				U.S. EPA ID Number <b>TXR000083231</b>					
		6. Transporter 1 Company Name <b>Industrial Waste Solutions</b>				U.S. EPA ID Number					
		7. Transporter 2 Company Name				U.S. EPA ID Number					
		8. Designated Facility Name and Site Address <b>BLUE RIDGE LANDFILL 2200 FM 521 RD FRESNO TX 77545</b>				U.S. EPA ID Number <b>TXR0000084592</b>					
		Facility's Phone: <b>281 835-8142</b>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) <b>SOIL AND DEBRIS (WR# 20842)</b>				10. Containers No. Type <b>0 0 1 CM</b>		11. Total Quantity <b>15 Y</b>	12. Unit Wt./Vol.	13. Waste Codes <b>0400 3011</b>	
	2.										
	3.										
	4.										
14. Special Handling Instructions and Additional Information <b>Box# RT-251559</b> <b>PROFILES 0112101705 EXP 10/17/19</b> <b>IKON JOB # 272-01-10</b>											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeree's Printed/Typed Name: <b>Eres Blomquist, Agent for UPRR</b> Signature: <b>Eres Blomquist</b> Month: <b>2</b> Day: <b>14</b> Year: <b>19</b>											
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials										
TRANSPORTER	Transporter 1 Printed/Typed Name: <b>David Speed</b> Signature: _____ Month: <b>2</b> Day: <b>15</b> Year: <b>19</b>										
	Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____										
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) <b>U.S. EPA Designated Services 2200 FM 521 (PO BOX 879) Fresno, TX 77545</b>										
	Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator) <b>FEB 15 2019</b> Month: _____ Day: _____ Year: _____											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. <b>H132</b>			2. _____			3. _____			Blue Ridge Landfill Permit# 1505A SWR# 89429		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name: <b>Brown/Solid</b>				Signature: _____				Month: _____ Day: _____ Year: _____			

TE	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 Fresno, TX 77545	SITE	TICKET #	CELL
		WEIGHMASTER	1209882	
STOMER	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	DATE/TIME IN	IN - Benito C.	DATE/TIME OUT
		VEHICLE	2/15/19 2:17 pm	CONTAINER
		REFERENCE	IWS7091	
		BILL OF LADING	272-01-19	
			017086989JJK	

SCALE IN GROSS WEIGHT 83,100 NET TONS 20.41  
SCALE OUT TARE WEIGHT 42,280 NET WEIGHT 40,820

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE -			\$0.00	
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

CHANGE  
\$0.00

CHECK#

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IS-F042UPR (07/12)

SIGNATURE

TE	BLUE RIDGE LANDFILL 281-835-6142 2200 FM 521 -Fresno, TX 77545	SITE Y9	TICKET #	1209882	CELL
		WEIGHMASTER	IN - Benito C.	OUT - Daniel G.	
STOMER	100922 IKON ENVIRONMENTAL SOLUTIONS LP 1102 RALPHCREST DRIVE HOUSTON, TX 77039 Contract:5112191705-1 Generator:UNION PACIFIC RAILROAD	DATE/TIME IN	2/15/19 2:17 pm	DATE/TIME OUT	2/15/19 2:47 pm
		VEHICLE	IWS7091	CONTAINER	
		REFERENCE	272-01-19		
		BILL OF LADING	017086989JJK		

SCALE IN GROSS WEIGHT 83,100 NET TONS 20.41  
SCALE OUT TARE WEIGHT 42,280 NET WEIGHT 40,820

INBOUND  
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	YD	Tracking QTY				
15.00	yd	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE			\$0.00	
1.00		EPA MANIFEST FEE -				
		DATA & IMAGE UPLOAD				
			TNRCC - CLASS 1		Tax Total	

Payment(s)

NET AMOUNT

TENDERED

\$0.00  
CHANGE

CHECK#

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S-F042UPR (07/12)

SIGNATURE



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>31547</b>		2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>GREG BLOMQUIST (713) 538-5741</b>		4. Manifest Tracking Number <b>020269457 JJK</b>		
5. Generator's Name and Mailing Address <b>UNION PACIFIC RAILROAD - LIBERTY 4810 LIBERTY ROAD</b>					Generator's Site Address (if different than mailing address) <b>UNION PACIFIC RAILROAD - LIBERTY 4810 LIBERTY ROAD</b>				
Generator's Phone: <b>HOUSTON, TX 77028 (414) 287-4184</b>					HOUSTON, TX 77028 (414) 287-4184				
6. Transporter 1 Company Name <b>Intergulf Corporation</b>					U.S. EPA ID Number <b>38088</b>				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>Intergulf Bayport 10020 Bayport BLVD Pasadena, Texas 77507</b>					U.S. EPA ID Number <b>38088</b>				
Facility's Phone: <b>(281) 470-4210</b>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1	Non Hazardous Waste Water			1 TT		50	G	1485 1022
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information <b>IGC Profile Number: 09243 20</b> <b>ERG #: 2180</b> <b>Delivery/Release No: 01180</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offor's Printed/Typed Name <b>B Greg Blomquist</b>					Signature <i>[Signature]</i>			Month Day Year <b>03/14/19</b>	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:								
	Transporter signature (for exports only):								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name <b>TERRELL TIPTON</b>					Signature <i>[Signature]</i>			Month Day Year <b>3/14/19</b>
Transporter 2 Printed/Typed Name					Signature			Month Day Year	
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number:								
	18b. Alternate Facility (or Generator) U.S. EPA ID Number								
	Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)								Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <b>9990</b>		2. <b>05</b>		3. <b>52</b>		4. <b>05</b>			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name					Signature			Month Day Year	