TRANSMITTAL

Cedar corporation
engineers | architects | planners | environmental specialists
land surveyors | landscape architects | interior designers

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

DATE:	June 13, 2016
TO:	WDNR Attn: Ralph Smith PO Box 7921, 101 Webster St Madison, WI 53707-7921
FROM:	Scott McCurdy
RE:	Site Investigation Report
PROJECT:	BRRTS 03-49-563607 Cushing laundromat

RECEIVED
JUN 14 2016
Remediation & Redevelopment

WE ARE SENDING YOU: ☐ Attached Under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Specifications

☐ Copy of Letter ☐ Change Order ☐ Payment Request

COPIES	DATE	NO.	DESCRIPTION
31	6-13-2016		Copies of SIR

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ___ copies for approval

☐ As requested ☐ Returned for corrections ☐ Return ____ copies for approval

☒ For review and comment ☐ Sign and return ☐ Prints returned after loan to us

☐ For Bids Due:

REMARKS: Please review and comment on our recommendation to close with obligations

SIGNED: Scott McCurdy

CC: Toni Carter. PO Box 698, Cushing, WI 54006

Smith, Ralph N - DNR

From: Swimm, David E - DNR
Sent: Wednesday, November 11, 2015 9:57 AM
To: Smith, Ralph N - DNR
Cc: Matt Taylor (matt.taylor@cedarcorp.com)
Subject: Cushing Laundromat 03-49-563607
Attachments: Recorded Notice of Lien.pdf

Good Morning,

Please find recorded lien attached.

Ralph, you might want to direct Matt to the Agent contract process.
I believe that's the next step, since I do not see it as completed in Tracker.

Thanks
David

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

David Swimm, PG
Hydrogeologist – Remediation and Redevelopment
Wisconsin Department of Natural Resources
Phone: [(608) 264-8766]
David.Swimm@Wisconsin.gov

dnr.wi.gov

834956	NOTICE OF LIEN §292.63(4)(ee), Stats.
Document Number	Title of Document

Received for record this
2nd day of November
AD 2015 at 10:30 AM
DOCUMENT NUMBER: 834956
RECORDING FEE: $30.00
TRANSFER FEE: $0.00
LAURIE ANDERSON
REGISTER OF DEEDS
POLK COUNTY, WI

As provided by §292.63(4)(ee), Stats., the Department of Natural Resources (department) has granted a waiver of the deductible due from the owner of property eligible for reimbursement of petroleum cleanup costs under the Petroleum Environmental Cleanup Fund Act (PECFA) to Toni Carter owner(s) of the following property:

That part of the Southwest One-quarter (1/4) of the Southwest One-quarter (1/4) of Section Thirty (30), in Township Thirty Six (36) North, Range Eighteen (18) West in the Town of Laketown, Polk County, Wisconsin, described as follows: Commencing 15 rods 12½ feet East of the Southwest corner of said Section 30, in Township 36 North, Range 18 West; thence running North 171 feet; thence East 130 feet; thence South 171 feet; thence West 130 feet to the place of beginning.

Record this record with the Register of Deeds.
Name and return address:
David Swimm
PECFA Financial Coordinator
Department of Natural Resources
PO Box 8044
Madison WI 53708-8044
Phone (608) 264-8766

Tax Parcel: # 030-00728-0000

The deductible amount waived by the department is **Five Thousand Seven Hundred Seventy Three *dollars ($5,773.00).*** The property remains subject to this lien until the deductible is paid in full to the Department. No interest is recoverable on this lien.

The department certifies that to the best of its knowledge and belief, all information contained in this Notice of Lien is correct, and this lien represents a legal encumbrance upon the property. Based on the above information, the department claims a lien on all the interest, which the Owner(s) have in the above-described property.

Department of Natural Resources
By:

David Swimm, PECFA Financial Coordinator
Remediation and Redevelopment

AUTHENTICATION OF ACKNOWLEDGMENT

LACEY COCHART NOTARY PUBLIC STATE OF WISCONSIN

The above named person was sworn to before me this 2 day of September, 2015.

Lacey L. Cochart, Notary Public
State of Wisconsin, County of Dane
My Commission expires: permanent.

This document was drafted & approved by:
State of Wisconsin
Department of Natural Resources
PO Box 8044
Madison WI 53708-8044

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Remediation and Redevelopment Program
P.O. Box 8044
Madison, WI 53708-8044

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

August 11, 2015

Toni Carter
P.O. Box 698
Cushing, WI 54006

RE: **PECFA Deductible Reduction Approved**

PECFA # 54006-3605-91 DNR BRRTS # 03-49-563607
Cushing Laundromat, 2391 250th Ave., Cushing

Dear Ms. Carter:

We have processed your application to reduce the PECFA deductible received on August 10, 2015.

Based on the financial information you submitted, we are **approving a reduction of the PECFA reimbursement deductible to $5,773.00**. This approval is based upon the documents that you submitted that support your inability to pay the full deductible. The amount of the deductible for your site is **$5,773.00.**

Please note:

Based on your financial information you could be eligible to have the deductible waived/deferred by placing a lien for the amount above on the subject property. To be considered you must fill out and sign the attached blank form and provide the following:

1. A copy of the latest deed for the subject property (property tax record is not sufficient)
2. A statement concerning whether other liens exist on the subject property and their values.

It is not necessary to re-submit the PECFA Financial Statement, income tax forms, or property tax bill again since I already have that information.

If you choose not to apply for a waiver/lien and you proceed with Cedar Corporation as your PECFA Agent, then you will need to make arrangements with Cedar to pay the $5,773 deductible.

I attached a copy of the reduction application indicating my approval, and a blank waiver/deferral application if you would like me to consider the lien option.

If I do not hear from you by September 4, 2015 concerning the lien option, I will assume you were not interested, and you need to proceed with making arrangements with Cedar to pay the deductible. If you would like me to consider the lien option, please provide the necessary additional information by the specified date indicated above.

Thank you again for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at 608-264-8766.

Sincerely,

David Swimm
PECFA Financial Coordinator
Remediation and Redevelopment Program

encl. PECFA - Reduction of PECFA Deductible Application (approved)
PECFA - Waiver/Deferral of Deductible Application (blank)

cc: Ralph Smith, DNR Project Manager (email w/o attachments)
Matt Taylor, Cedar Corp (email w/o attachments)

Smith, Ralph N - DNR

From: Shafel, Kathleen S - DNR
Sent: Wednesday, April 29, 2015 2:24 PM
To: Matt Taylor
Cc: Smith, Ralph N - DNR
Subject: RE: Release Notification

Hi Matt – thank you for contacting me. The BRRTS number assigned is 03-49-563607. The Project Manager is Ralph Smith, copied on this message.

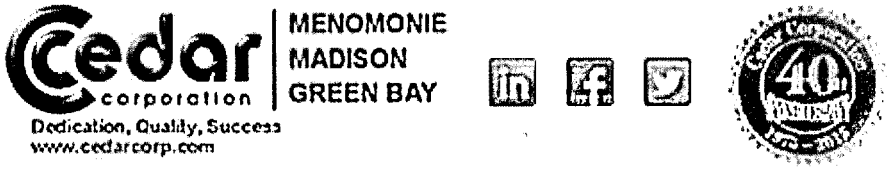
Regards,
We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kathleen Shafel
Phone: (715) 623-4190 x 3127
Kathleen.Shafel@wisconsin.gov

From: Matt Taylor [mailto:matt.taylor@cedarcorp.com]
Sent: Wednesday, April 29, 2015 2:16 PM
To: Shafel, Kathleen S - DNR
Subject: RE: Release Notification

Hi Kathleen, the RP wants to get the PECFA initial application submitted for this release (Cushing Laundromat) just in case and I haven't seen the site listed on the BRRTS as of yet. Do you have a number for it yet?

Matt Taylor, PG
Professional Hydrogeologist
Cedar Corporation | 604 Wilson Avenue | Menomonie, WI 54751
Office 715.235.9081 | 800.472.7372
matt.taylor@cedarcorp.com



This e-mail and any attachments may contain proprietary and confidential information from Cedar Corporation. Please visit our website at http://www.cedarcorp.com/disclaimer for more details.

From: Shafel, Kathleen S - DNR [mailto:Kathleen.Shafel@wisconsin.gov]
Sent: Wednesday, April 22, 2015 5:05 PM
To: Matt Taylor
Cc: Robinson, John H - DNR
Subject: RE: Release Notification

This email is to confirm the Wisconsin Department of Natural Resources Remediation and Redevelopment Program has received your Notification for Hazardous Substance Discharge (Non-Emergency) form dated 4/22/15.

The information has been forwarded to the assigned Project Manager for that area.

Thank you,
We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kathleen Shafel
Environmental Program Associate – Remediation & Redevelopment Bureau
Wisconsin Department of Natural Resources
223 E Steinfest Rd, Antigo, WI 54409
Phone: (715) 623-4190 ext 3127
Fax: (715) 623-6773
Kathleen.Shafel@wisconsin.gov]

From: Matt Taylor [mailto:matt.taylor@cedarcorp.com]
Sent: Wednesday, April 22, 2015 1:48 PM
To: DNR RR NOR
Subject: Release Notification

Attached notification of release for Cushing Laundromat site in Cushing, WI and copy of Phase II report. Please let me know if there are any questions. Thanks,

Matt Taylor, PG
Professional Hydrogeologist
Cedar Corporation | 604 Wilson Avenue | Menomonie, WI 54751
Office 715.235.9081 | 800.472.7372
matt.taylor@cedarcorp.com

This e-mail and any attachments may contain proprietary and confidential information from Cedar Corporation. Please visit our website at http://www.cedarcorp.com/disclaimer for more details.

Release Notification

The attached file is the filled-out form. Please open it to review the data.

This e-mail and any attachments may contain proprietary and confidential information from Cedar Corporation. Please visit our website at http://www.cedarcorp.com/disclaimer for more details.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

April 27, 2015

Ms. Toni Carter
2391 250th Avenue
P.O. Box 698
Cushing WI 54006

Subject: Reported Contamination at Cushing Laundromat, Cushing, WI
DNR BRRTS Activity # 01-49-563607

Dear Ms. Toni Carter:

On April 22, 2015, Matt Taylor of Cedar Corporation, on behalf of yourself, notified the Department of Natural Resources (DNR) that petroleum contamination had been detected at the site described above.

Based on the information that has been submitted to the DNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spill law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, Wis. Stats., explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the DNR or the Department of Agriculture, Trade and Consumer Protection (DATCP).

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 754 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce

your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. The following information provides the timeframes and required steps to take. Unless otherwise approved by DNR in writing you must complete the work by the timeframes specified.

1. Within the next **30 days,** by May 28, 2015, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the DNR may initiate enforcement action against you.

2. Within **60 days,** by June 28, 2015, you must submit a work plan for completing the investigation. The work plan must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current DNR technical guidance documents.

3. You must initiate the site investigation within 90 days of submitting the site investigation work plan. You may proceed with the field investigation upon DNR notification to proceed. If the DNR has not responded within 30 days from submittal of the work plan, you are required to proceed with the field investigation. If a fee for DNR review has been submitted, the field investigation must begin within 60 days after receiving DNR approval.

4. Within 60 days after completion of the field investigation and receipt of the laboratory data, you must submit a Site Investigation Report to the DNR or other agency with administrative authority. For sites with agrichemicals contamination, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

5. Within 60 days after submitting the Site Investigation Report, you must submit a remedial actions options report (RAOR). The RAOR shall include an evaluation of Green and Sustainable Remediation opportunities as required by s. NR 722.09 (2m), Wis. Adm. Code.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the DNR's internet site. You may view the information related to your site at any time (http://**dnr.wi.gov/botw/**SetUpBasicSearchForm.do) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you must complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR754. **The timeframes specified above are required by rule, so do not delay the investigation of your site.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Ralph Smith
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
P. O. Box 7921 (RR/5)
Madison, WI
Ralph.Smith@wisconsin.gov

Unless otherwise directed, submit one paper copy and one electronic copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Site Investigation and Vapor Pathway Analysis

As you develop the site investigation work plan, we want to remind you to include an assessment of the vapor intrusion pathway. Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3) (a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media". In addition, section NR 716.11(5) (g) and (h) contains the specific requirements for evaluating the presence of vapors in the sub-surface as well as in indoor air.

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the vapor pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure. The DNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf.

Additional Information for Site Owners:
We encourage you to visit our website at http://dnr.wi.gov/topic/Brownfields/, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information on Selecting a Consultant, the Environmental Services Contractor List, and Environmental Contamination Basics are enclosed.

If you have questions, call the DNR Project Manager Ralph Smith for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,

Ralph Smith
Hydrogeologist
Remediation & Redevelopment Program

Enclosures: Selecting a Consultant – RR-502
http://dnr.wi.gov/files/PDF/pubs/rr/RR502.pdf

Environmental Services Contractor List – RR-024
http://dnr.wi.gov/files/PDF/pubs/rr/RR024.pdf

Environmental Contamination Basics, RR-674
http://dnr.wi.gov/files/PDF/pubs/rr/RR674.pdf

cc: Matt Taylor, Cedar Corporation, 604 Wilson Avenue, Menomonie, WI 54751
Case File

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (09/13) Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- [x] Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- [ ] Aboveground Petroleum Storage Tank System
- [ ] Dry Cleaner Facility
- [ ] Other - Describe: _____

ATTN DNR: **R & R Program Associate** Date DNR Notified: 04/22/2015

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
Matt Taylor	Cedar Corporation	(715) 235-9081

Mailing Address	Email Address
604 Wilson Avenue, Menomonie, WI 54751	matt.taylor@cedarcorp.com

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. Cushing Laundromat

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 2391 250th Avenue

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Town of Laketown

County:	Legal Description:	WTM:
Polk	SW 1/4 SW 1/4 Sec 30 Tn 36 Range 18 ○E ◉W	X 313246 Y 559767

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Toni Carter

- [ ] Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see **http://dnr.wi.gov/topic/Brownfields/Liability.html**.

Contact Person Name (if different)	Phone Number	Email Address	
	(715) 554-4072		
Mailing Address	**City**	**State**	**ZIP Code**
PO Box 698	Cushing	WI	54006

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	**City**	**State**	**ZIP Code**

(continued)

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- ☐ VOC's
- ☐ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☐ Diesel
- ☐ Fuel Oil
- ☒ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☐ Waste Oil
- ☐ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- ___ Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- P Groundwater Contamination
- ___ Off-Site Contamination
- ___ Other (specify): _____
- K Soil Contamination
- ___ Storm Sewer
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

☐ Tank closure assessment Date _____

☒ Site assessment Date 04/07/2015

☐ Other - Describe: _____ Date _____

Lab results: ☐ Lab results will be faxed upon receipt ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

Copy of Phase II report submitted with notification.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

☐ Does not apply.

Source

- ☒ Tank
- ☒ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other (specify): _____

Cause

- ☐ Spill
- ☐ Overfill
- ☒ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Installation Problem
- ☐ Other (does not fit any of above)
- ☐ Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention – R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention – R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention – R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention – R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

Cedar corporation

604 Wilson Avenue
Menomonie, WI 54751

engineers | architects | planners | environmental specialists
land surveyors | landscape architects | interior designers

800-472-7372
715-235-9081
www.cedarcorp.com

April 22, 2015

Ms. Toni Carter
2391 250th Avenue
PO Box 698
Cushing, WI 54006

SUBJECT: Results of Phase II Environmental Assessment at Cushing Laundromat
2391 250th Avenue, Cushing, WI

Dear Ms. Carter,

Cedar Corporation has received and reviewed the results of soil samples collected as part of a Phase II Environmental Assessment at the Cushing Laundromat property located at 2391 250th Avenue in the Town of Laketown, Polk Co., WI. The Phase II was completed to determine if three underground storage tanks that were removed in 1989 (prior to site assessment requirements) had impacted soil on the property. The tanks were associated with the previous use of the property as Anderson's Cushing Hardware.

The Phase II work was completed on April 7th and consisted of installing one soil boring using a Geoprobe operated by Geis Soils & Samples of Merrill, WI under the supervision of Cedar Corporation personnel. The boring was located to intercept the former tank bed location based on information the owner received from the previous owner. A planned second boring was not installed based on the observations made and a determination that further investigative work that would likely be eligible for reimbursement through the PECFA program would be necessary. Boring B-1 encountered brown clayey silt/fine grained sands beneath the asphalt surface to a depth of 12 feet where the boring was terminated. Petroleum odors, identified as weathered gasoline, were observed beginning at 6 feet of depth and lessening in intensity below 8 feet. The soils were observed to have a high moisture content however it was not clear if that was due to melting frost or a perched water table.

Two soil samples were collected from the 6-8 foot and 10-12 foot intervals of B-1 for laboratory analysis of Petroleum Volatile Organic Compounds + Naphthalene. The samples were preserved in the field in accordance with standard methodology and placed on ice for shipment to Test America's University Park, IL laboratory for analysis. The lab reported detections of contaminants in both borings however the level of contaminants reported in the 10-12 foot interval were reported to be three orders of magnitude lower than in the 6-8 foot interval, suggesting the contamination observed is being held up in the upper soils. Table 1 below presents the soil sample results and the complete laboratory report is attached.

Table 1 – Soil Sample Results

Analyte	Results in ug/kg (ppb)	
	B-1 6-8 ft	B-1 10-12 ft
Benzene	180	<21
Ethylbenzene	7,800	<22
MTBE	96	<14
Naphthalene	14,000	<140
Toluene	1,800	<20
1,2,4-Trimethylbenzene	72,000	<35
1,3,5-Trimethylbenzene	26,000	52
Xylenes	52,000	21

Based on in field observations and confirmation soil sample results, it appears the tank system previously located on the property impacted soils and the state will require further investigation. It is recommended the sample results be submitted to the state as required under the Spills statute Ch. 292, Wis. Stats. Cedar Corporation can prepare and submit the notification on your behalf.

If you have any questions regarding the information presented herein please feel free to contact me at your convenience.

Sincerely;
CEDAR CORPORATION

Matt Taylor, P.G.
Hydrogeologist

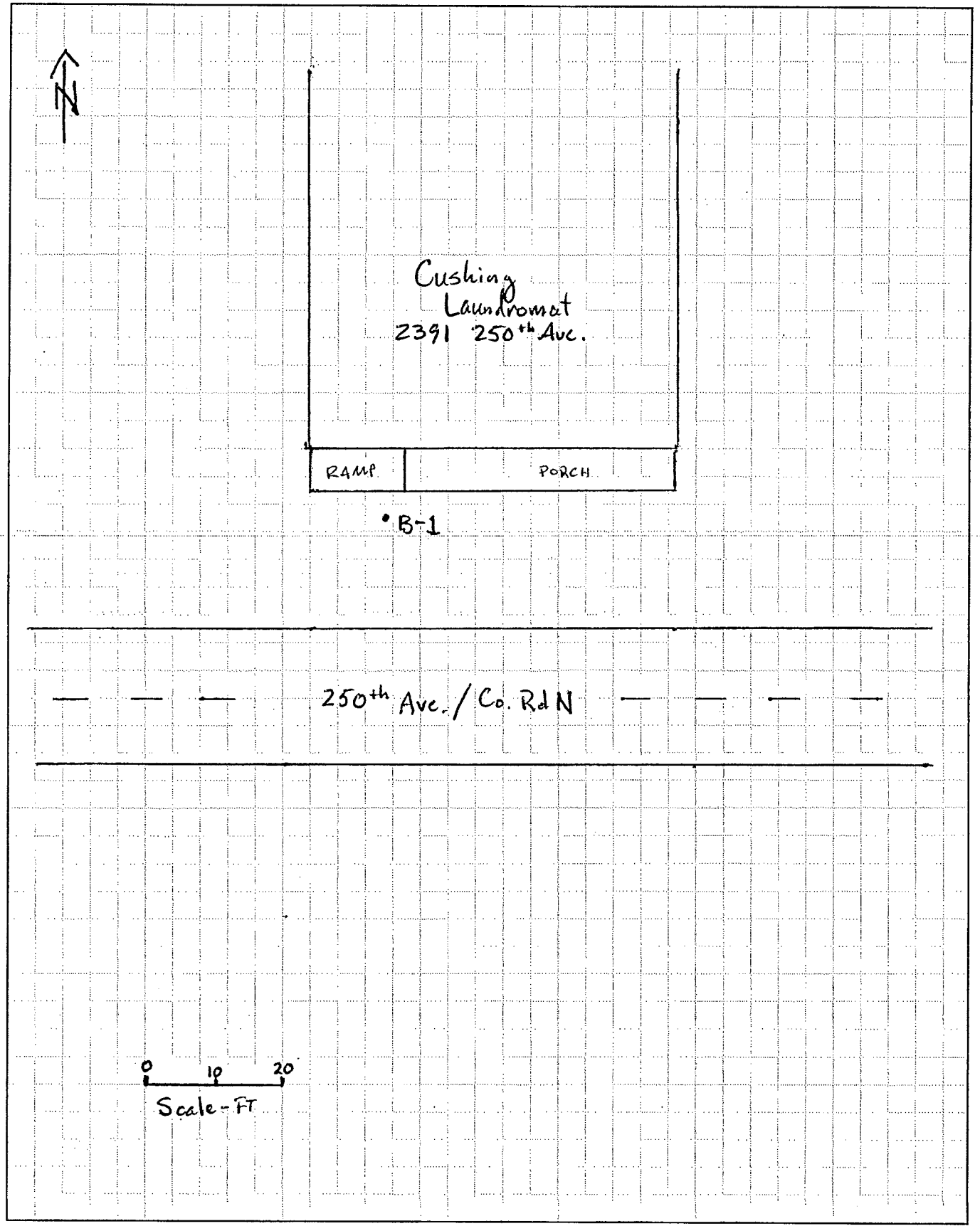
Att.

Cedar corporation
604 Wilson Avenue • Menomonie, WI 54751
2820 Walton Commons W., Suite 142 • Madison, WI 53718
1496 Bellevue Street, Suite 502 • Green Bay, WI 54311
800-472-7372 • www.cedarcorp.com

JOB Cushing Laundromat Phs II

CALCULATED BY MAT DATE 4/22/15

CHECK BY _____ DATE _____



Direct-Contact Exceedance - Hazard - Risk Calculation Summary from Soil Data

BRRTS # :
Type BRRTS No. Here (If Known)

Cushing Laundromat - 2391 250th Ave. Cushing, WI

# of Soil-Concentration Entries: 8

Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
2	0.9717	3.9E-06

Bottom-Line: **NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.**

Date of Worksheet Used: 06/19/2013. List below is sorted with the largest soil concentration data on top.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	72.		0.8018	
Xylenes	1330-20-7	890.	-	258.	Csat	52.		0.0584	
Trimethylbenzene, 1,3,5-	108-67-8	782.	-	182.	Csat	26.		0.0332	
Naphthalene	91-20-3	188.	5.15	5.15	ca	14.	E	0.0745	2.7E-06
Ethylbenzene	100-41-4	4,220.	7.47	7.47	ca	7.8	E	0.0018	1.0E-06
Toluene	108-88-3	5,300.	-	818.	Csat	1.8		0.0003	
Benzene	71-43-2	111.	1.49	1.49	ca	0.18		0.0016	1.2E-07
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.	59.4	59.4	ca	0.096		0.	1.6E-09

Direct-Contact Exceedance - Hazard - Risk Calculation Summary from Soil Data

BRRTS # :
Type BRRTS No. Here (If Known)

# of Soil-Concentration Entries: 8

Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
0	0.0016	4.4E-08

Bottom-Line: Yes, levels are below direct-contact concern.

Cushing Laundromat - 2391 250th Ave. Cushing, WI

Date of Worksheet Used: 06/19/2013. List below is sorted with the largest soil concentration data on top.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	188.	5.15	5.15	ca	0.14		0.0007	2.7E-08
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	0.052		0.0006	
Xylenes	1330-20-7	890.	-	258.	Csat	0.035		0.	
Ethylbenzene	100-41-4	4,220.	7.47	7.47	ca	0.022		0.	2.9E-09
Benzene	71-43-2	111.	1.49	1.49	ca	0.021		0.0002	1.4E-08
Trimethylbenzene, 1,3,5-	108-67-8	782.	-	182.	Csat	0.021		0.	
Toluene	108-88-3	5,300.	-	818.	Csat	0.02		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.	59.4	59.4	ca	0.014		0.	2.4E-10

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Cushing Laundromat	_ _ _ _ _ _ _	B1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Darin Last Name: Firm: Geiss	04/07/2015	04/07/2015	Probe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
SW 1/4 of SW 1/4 of Section 30, T 36 N, R 18 E (W)

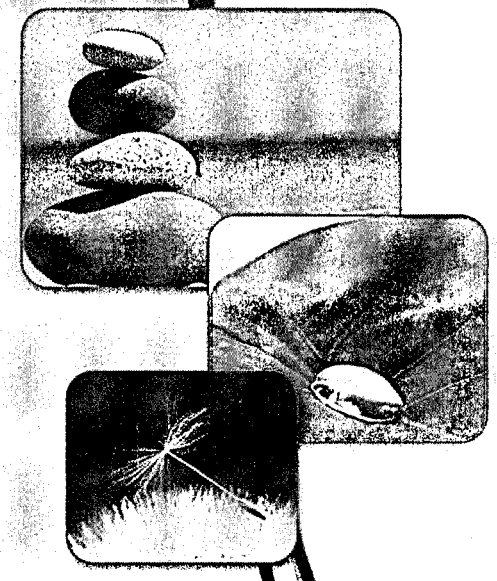
Facility ID	County	County Code	Civil Town/City/ or Village
	Polk	_ _ _	Laketown

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	36/48		2	Asphalt Brown silty fn gr sand w/ some clay										
2	40/48		6	Petrol odor semi-saturated										
3	40/48		10	Grey clay lenses ~2" thick No odor										
			12	EOB 12'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Josh Leable	Cedar Corp.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-94314-1
Client Project/Site: Cushing Laundromat
Revision: 1

For:
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Attn: Matt Taylor

Sandie Fredrick

Authorized for release by:
4/15/2015 4:32:56 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

..... LINKS .....

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-94314-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-94314-1

Comments
Final results updated after re-analysis due to carry-over. Revision includes the updates.

Receipt
The samples were received on 4/8/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
Method(s) 5035: added MeOH to provide 1:1 ratio. B-1 6-8' (500-94314-1) and B-1 10-12' (500-94314-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Client Sample ID: B-1 6-8'

Lab Sample ID: 500-94314-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	72000	B	120	72	ug/Kg	4	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	26000	B	120	72	ug/Kg	4	☼	WDNR	Total/NA
Benzene	180		30	22	ug/Kg	1	☼	WDNR	Total/NA
Ethylbenzene	7800		30	23	ug/Kg	1	☼	WDNR	Total/NA
Methyl tert-butyl ether	96		30	14	ug/Kg	1	☼	WDNR	Total/NA
Naphthalene	14000		1200	580	ug/Kg	4	☼	WDNR	Total/NA
Toluene	1800		30	21	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	52000		90	36	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: B-1 10-12'

Lab Sample ID: 500-94314-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	52	B	29	18	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	21	J B	29	18	ug/Kg	1	☼	WDNR	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Method	Method Description	Protocol	Laboratory
WDNR	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-94314-1	B-1 6-8'	Solid	04/07/15 10:10	04/08/15 10:00
500-94314-2	B-1 10-12'	Solid	04/07/15 10:15	04/08/15 10:00

Client Sample ID: B-1 6-8'
Date Collected: 04/07/15 10:10
Date Received: 04/08/15 10:00

Lab Sample ID: 500-94314-1
Matrix: Solid
Percent Solids: 81.8

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**72000**	**B**	120	72	ug/Kg	☼	04/07/15 10:10	04/14/15 23:59	4
1,3,5-Trimethylbenzene	**26000**	**B**	120	72	ug/Kg	☼	04/07/15 10:10	04/14/15 23:59	4
Benzene	**180**		30	22	ug/Kg	☼	04/07/15 10:10	04/11/15 08:30	1
Ethylbenzene	**7800**		30	23	ug/Kg	☼	04/07/15 10:10	04/11/15 08:30	1
Methyl tert-butyl ether	**96**		30	14	ug/Kg	☼	04/07/15 10:10	04/11/15 08:30	1
Naphthalene	**14000**		1200	580	ug/Kg	☼	04/07/15 10:10	04/14/15 23:59	4
Toluene	**1800**		30	21	ug/Kg	☼	04/07/15 10:10	04/11/15 08:30	1
Xylenes, Total	**52000**		90	36	ug/Kg	☼	04/07/15 10:10	04/11/15 08:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*300*		*80 -*	*04/07/15 10:10*	*04/11/15 08:30*	*1*
a,a,a-Trifluorotoluene	*105*		*80 -*	*04/07/15 10:10*	*04/14/15 23:59*	*4*

Client Sample ID: B-1 10-12'
Date Collected: 04/07/15 10:15
Date Received: 04/08/15 10:00

Lab Sample ID: 500-94314-2
Matrix: Solid
Percent Solids: 84.8

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**52**	**B**	29	18	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
1,3,5-Trimethylbenzene	**21**	**J B**	29	18	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Benzene	<21		29	21	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Ethylbenzene	<22		29	22	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Methyl tert-butyl ether	<14		29	14	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Naphthalene	<140		290	140	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Toluene	<20		29	20	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1
Xylenes, Total	<35		88	35	ug/Kg	☼	04/07/15 10:15	04/14/15 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*92*		*80 -*	*04/07/15 10:15*	*04/14/15 22:41*	*1*

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC VOA

Prep Batch: 239829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-239829/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-239829/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 490-239829/1-A	Method Blank	Total/NA	Solid	5030B	

Prep Batch: 240290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-94314-1	B-1 6-8'	Total/NA	Solid	5035	
500-94314-2	B-1 10-12'	Total/NA	Solid	5035	

Prep Batch: 240302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-240302/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-240302/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 490-240302/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 240426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-94314-1	B-1 6-8'	Total/NA	Solid	WDNR	240290
LCS 490-239829/2-A	Lab Control Sample	Total/NA	Solid	WDNR	239829
LCSD 490-239829/3-A	Lab Control Sample Dup	Total/NA	Solid	WDNR	239829
MB 490-239829/1-A	Method Blank	Total/NA	Solid	WDNR	239829
MB 490-239829/1-A	Method Blank	Total/NA	Solid	WDNR	239829
MB 490-240426/21	Method Blank	Total/NA	Solid	WDNR	

Analysis Batch: 241447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-94314-1	B-1 6-8'	Total/NA	Solid	WDNR	240290
500-94314-2	B-1 10-12'	Total/NA	Solid	WDNR	240290
LCS 490-240302/2-A	Lab Control Sample	Total/NA	Solid	WDNR	240302
LCSD 490-240302/3-A	Lab Control Sample Dup	Total/NA	Solid	WDNR	240302
MB 490-240302/1-A	Method Blank	Total/NA	Solid	WDNR	240302

General Chemistry

Analysis Batch: 240371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-94314-1	B-1 6-8'	Total/NA	Solid	Moisture	
500-94314-2	B-1 10-12'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TFT
Lab Sample ID	**Client Sample ID**	**(80-)**
500-94314-1	B-1 6-8'	300
500-94314-1	B-1 6-8'	105
500-94314-2	B-1 10-12'	92
LCS 490-239829/2-A	Lab Control Sample	93
LCS 490-240302/2-A	Lab Control Sample	105
LCSD 490-239829/3-A	Lab Control Sample Dup	89
LCSD 490-240302/3-A	Lab Control Sample Dup	101
MB 490-239829/1-A	Method Blank	91
MB 490-239829/1-A	Method Blank	91
MB 490-240302/1-A	Method Blank	85
MB 490-240426/21	Method Blank	89

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 490-239829/1-A
Matrix: Solid
Analysis Batch: 240426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239829

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
1,3,5-Trimethylbenzene	<15		25	15	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Benzene	<18		25	18	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Ethylbenzene	<19		25	19	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Methyl tert-butyl ether	<12		25	12	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Naphthalene	152	J	250	120	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Toluene	<17		25	17	ug/Kg		04/08/15 14:23	04/10/15 19:45	1
Xylenes, Total	<30		75	30	ug/Kg		04/08/15 14:23	04/10/15 19:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*80 -*	*04/08/15 14:23*	*04/10/15 19:45*	*1*

Lab Sample ID: MB 490-239829/1-A
Matrix: Solid
Analysis Batch: 240426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239829

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
1,3,5-Trimethylbenzene	<15		25	15	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Benzene	<18		25	18	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Ethylbenzene	<19		25	19	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Methyl tert-butyl ether	<12		25	12	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Naphthalene	246	J	250	120	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Toluene	<17		25	17	ug/Kg		04/08/15 14:23	04/11/15 04:16	1
Xylenes, Total	<30		75	30	ug/Kg		04/08/15 14:23	04/11/15 04:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*80 -*	*04/08/15 14:23*	*04/11/15 04:16*	*1*

Lab Sample ID: LCS 490-239829/2-A
Matrix: Solid
Analysis Batch: 240426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	5000	4830		ug/Kg		97	60 - 140
1,3,5-Trimethylbenzene	5000	4720		ug/Kg		94	74 - 133
Benzene	5000	4880		ug/Kg		98	76 - 120
Ethylbenzene	5000	4930		ug/Kg		99	77 - 120
Methyl tert-butyl ether	5000	4550		ug/Kg		91	73 - 120
m-Xylene & p-Xylene	10000	9520		ug/Kg		95	80 - 120
Naphthalene	5000	4510		ug/Kg		90	74 - 127
o-Xylene	5000	4880		ug/Kg		98	79 - 120
Toluene	5000	4940		ug/Kg		99	79 - 120
Xylenes, Total	15000	14400		ug/Kg		96	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*93*		*80 -*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-239829/3-A
Matrix: Solid
Analysis Batch: 240426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239829

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	5000	4820		ug/Kg		96	60 - 140	0	50
1,3,5-Trimethylbenzene	5000	4710		ug/Kg		94	74 - 133	0	42
Benzene	5000	4880		ug/Kg		98	76 - 120	0	27
Ethylbenzene	5000	4920		ug/Kg		98	77 - 120	0	49
Methyl tert-butyl ether	5000	4530		ug/Kg		91	73 - 120	0	31
m-Xylene & p-Xylene	10000	9510		ug/Kg		95	80 - 120	0	47
Naphthalene	5000	4550		ug/Kg		91	74 - 127	1	50
o-Xylene	5000	4880		ug/Kg		98	79 - 120	0	47
Toluene	5000	4940		ug/Kg		99	79 - 120	0	37
Xylenes, Total	15000	14400		ug/Kg		96		0	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*89*		*80 -*

Lab Sample ID: MB 490-240302/1-A
Matrix: Solid
Analysis Batch: 241447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240302

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	17.7	J	25	15	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
1,3,5-Trimethylbenzene	17.4	J	25	15	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Benzene	<18		25	18	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Ethylbenzene	<19		25	19	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Methyl tert-butyl ether	<12		25	12	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Naphthalene	<120		250	120	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Toluene	<17		25	17	ug/Kg		04/10/15 09:10	04/14/15 21:23	1
Xylenes, Total	<30		75	30	ug/Kg		04/10/15 09:10	04/14/15 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*80 -*	*04/10/15 09:10*	*04/14/15 21:23*	*1*

Lab Sample ID: LCS 490-240302/2-A
Matrix: Solid
Analysis Batch: 241447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	5000	4740		ug/Kg		95	60 - 140
1,3,5-Trimethylbenzene	5000	4770		ug/Kg		95	74 - 133
Benzene	5000	4680		ug/Kg		94	76 - 120
Ethylbenzene	5000	4740		ug/Kg		95	77 - 120
Methyl tert-butyl ether	5000	4570		ug/Kg		91	73 - 120
m-Xylene & p-Xylene	10000	9530		ug/Kg		95	80 - 120
Naphthalene	5000	4570		ug/Kg		91	74 - 127
o-Xylene	5000	4770		ug/Kg		95	79 - 120
Toluene	5000	4760		ug/Kg		95	79 - 120
Xylenes, Total	15000	14300		ug/Kg		95	

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCS 490-240302/2-A
Matrix: Solid
Analysis Batch: 241447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240302

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*105*		*80 -*

Lab Sample ID: LCSD 490-240302/3-A
Matrix: Solid
Analysis Batch: 241447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 240302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	5000	4690		ug/Kg		94	60 - 140	1	50
1,3,5-Trimethylbenzene	5000	4720		ug/Kg		94	74 - 133	1	42
Benzene	5000	4600		ug/Kg		92	76 - 120	2	27
Ethylbenzene	5000	4680		ug/Kg		94	77 - 120	1	49
Methyl tert-butyl ether	5000	4340		ug/Kg		87	73 - 120	5	31
m-Xylene & p-Xylene	10000	9410		ug/Kg		94	80 - 120	1	47
Naphthalene	5000	4320		ug/Kg		86	74 - 127	6	50
o-Xylene	5000	4710		ug/Kg		94	79 - 120	1	47
Toluene	5000	4670		ug/Kg		93	79 - 120	2	37
Xylenes, Total	15000	14100		ug/Kg		94		1	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*101*		*80 -*

Lab Sample ID: MB 490-240426/21
Matrix: Solid
Analysis Batch: 240426

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/Kg			04/11/15 04:47	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/Kg			04/11/15 04:47	1
Benzene	<0.36		0.50	0.36	ug/Kg			04/11/15 04:47	1
Ethylbenzene	<0.38		0.50	0.38	ug/Kg			04/11/15 04:47	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/Kg			04/11/15 04:47	1
Naphthalene	<2.4		5.0	2.4	ug/Kg			04/11/15 04:47	1
Toluene	<0.34		0.50	0.34	ug/Kg			04/11/15 04:47	1
Xylenes, Total	<0.60		1.5	0.60	ug/Kg			04/11/15 04:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*89*		*80 -*		*04/11/15 04:47*	*1*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Client Sample ID: B-1 6-8'
Date Collected: 04/07/15 10:10
Date Received: 04/08/15 10:00

Lab Sample ID: 500-94314-1
Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240290	04/07/15 10:10	JLP	TAL NSH
Total/NA	Analysis	WDNR		4	241447	04/14/15 23:59	RRS	TAL NSH
Total/NA	Prep	5035			240290	04/07/15 10:10	JLP	TAL NSH
Total/NA	Analysis	WDNR		1	240426	04/11/15 08:30	RRS	TAL NSH
Total/NA	Analysis	Moisture		1	240371	04/10/15 10:56	MRM	TAL NSH

Client Sample ID: B-1 10-12'
Date Collected: 04/07/15 10:15
Date Received: 04/08/15 10:00

Lab Sample ID: 500-94314-2
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240290	04/07/15 10:15	JLP	TAL NSH
Total/NA	Analysis	WDNR		1	241447	04/14/15 22:41	RRS	TAL NSH
Total/NA	Analysis	Moisture		1	240371	04/10/15 10:56	MRM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Cedar Corporation
Project/Site: Cushing Laundromat

TestAmerica Job ID: 500-94314-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Cedar Corporation
Company: Matt Taylor
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-94314
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.4

Client: Cedar Corporation
Client Project #:
Project Name: Cushing Laundromat
Project Location/State: Cushing, WI
Lab Project #:
Sampler: JAL
Lab PM:
Preservative: 9
Parameter: PVOC + Naph

Preservative Key

500-94314 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PVOC + Naph	Comments
1		B-1 6-8'	4/2/15	1010	2	S	X	25ml MeOH
2		B-1 10-12'	4/2/15	1015	2	S	X	25ml MeOH

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Cedar Corporation	4/7/15	1400	[signature]	TAL	04/08/15	1000
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

4/15/2015

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	Carrier Tracking No(s):	COC No: 500-60462.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Analysis Requested		Job #: 500-94314-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 4/17/2015			Preservation Codes:
City: Nashville	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Cushing Laundromat	Project #: 50006556			
Site:	SSOW#:			

Loc: 500
94314

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture/ Percent Solids	WI_GRO/5035FM_Calc (MOD) WISC PVOC + Nap	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
B-1 6-8' (500-94314-1)	4/7/15	10:10 Central		Solid			X	X	2	
B-1 10-12' (500-94314-2)	4/7/15	10:15 Central		Solid			X	X	2	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shawn Scott	4/8/15 1515	TA-CHI		4-9-15/0840	TAN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 500
94314

COOLER RECEIPT FORM

Cooler Received/Opened On 4/9/2015 @ 0840

1. Tracking # 6137 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..(NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: (1) Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) MSW

7. Were custody seals on containers: YES (NO) and Intact YES...NO..(NA)

Were these signed and dated correctly? YES...NO..(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? YES...(NO)..NA

b. Was there any observable headspace present in any VOA vial? YES...NO..(NA)

14. Was there a Trip Blank in this cooler? YES..(NO)..NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (Intial) CG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO..(NA)

16. Was residual chlorine present? YES...NO..(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) CG

I certify that I attached a label with the unique LIMS number to each container (intial) CG

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES..(NO)..#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-94314-1

Login Number: 94314
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-94314-1

Login Number: 94314
List Number: 2
Creator: Huckaba, Jimmy

List Source: TestAmerica Nashville
List Creation: 04/09/15 04:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	