

GIS REGISTRY INFORMATION

SITE NAME:	Two Rivers ROW			FID #	
BRRTS #:	03-36-542998			(if appropriate):	
COMMERCE #:	54241-2625-13-A				
CLOSURE DATE:	03/28/2004				
STREET ADDRESS:	1813 Washington Street				
CITY:	Two Rivers				
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X =	714474	Y =	411426	
CONTAMINATED MEDIA:	Groundwater	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Both <input checked="" type="checkbox"/>
OFF-SOURCE GW CONTAMINATION >ES:		Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/>	
• IF YES, STREET ADDRESS:					
• GPS COORDINATES (meters in WTM91 projection):					
	X =		Y =		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
• IF YES, STREET ADDRESS 1:					
• GPS COORDINATES (meters in WTM91 projection):					
	X =		Y =		
CONTAMINATION IN RIGHT OF WAY:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<u>DOCUMENTS NEEDED</u>					
Closure Letter, and any conditional closure letter issued or denial letter issued					x
Copy of any maintenance plan referenced in the final closure letter					na
Copy of (soil or land use) deed notice <i>if any required as a condition of closure</i>					na
Copy of most recent deed, including legal description, for all affected properties UST WAS IN RIGHT-OF-WAY					na
Certified survey map or relevant portion of the recorded plat map (<i>if referenced in the legal description</i>) for all affected properties					x
County Parcel ID number, <i>if used for county</i> , for all affected properties					na
Location Map that outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily. If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.					x
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.					x
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)					x
Tables of Latest Soil Analytical Results (no shading or cross-hatching)					x
Isoconcentration map(s), <i>if required for site investigation (SI)</i> . The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.					x
GW: Table of water level elevations, with sampling dates, and free product noted if present					na
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)					na
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour					x
Geologic cross-sections, <i>if required for SI</i>					na
RP certified statement that legal descriptions are complete and accurate					na
Copies of off-source notification letters (if applicable)					na
Letter informing ROW owner of residual contamination (if applicable) (public, highway or railroad ROW)					x



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

March 28, 2008

Mr. Scott Ahl
City of Two Rivers
1717 E. Park Street
PO Box 87
Two Rivers, WI 54241-0087

RE: **Final Closure**

Commerce # 54241-2625-13-A DNR BRRTS # 03-36-542998
Two Rivers Right-of-Way, 1813-1815 Washington Street, Two Rivers

Dear Mr. Ahl:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure, prepared by Robert E. Lee & Associates, Inc., for the site referenced above. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

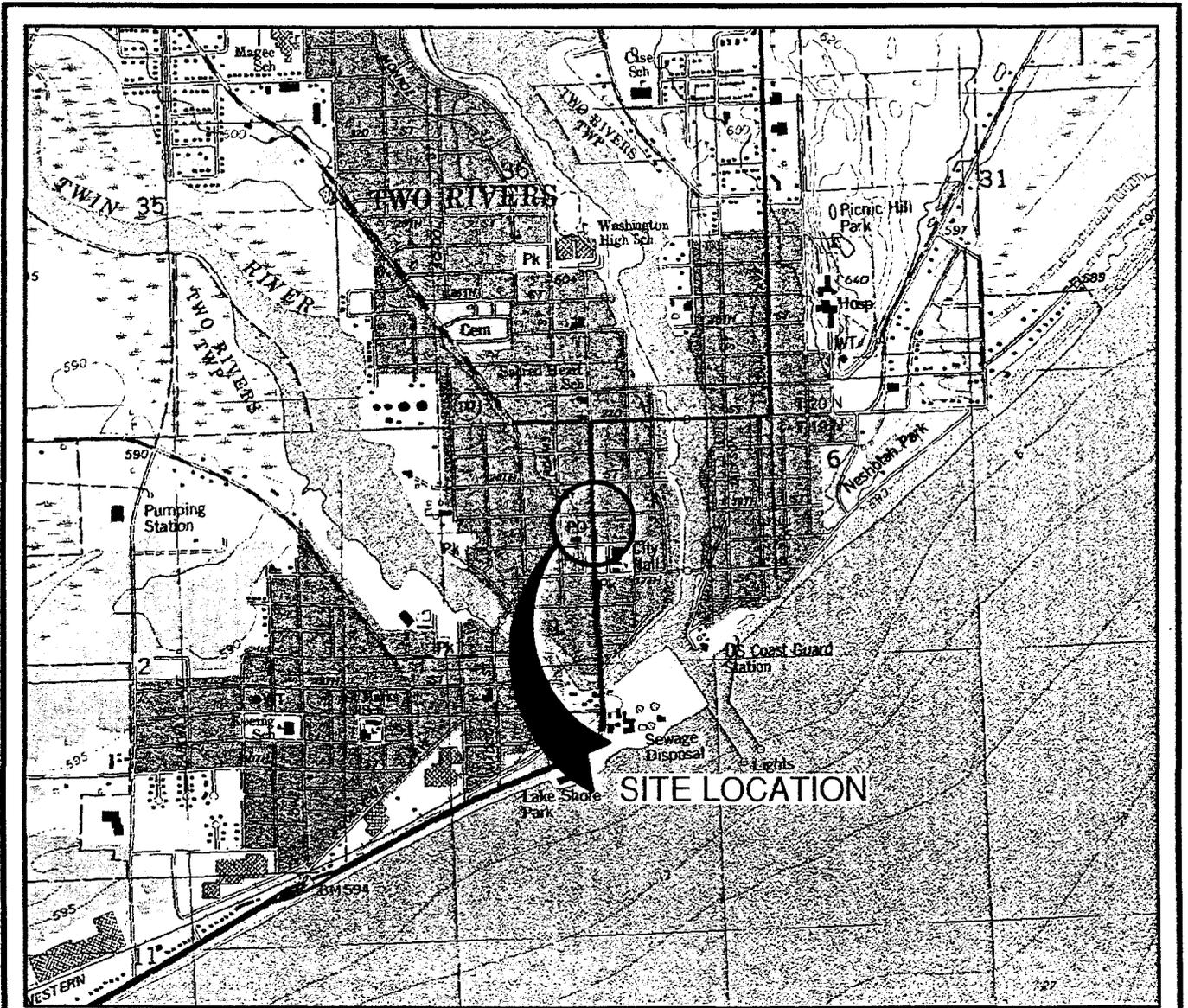
Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink that reads "Robert H. Klauk".

Robert H. Klauk
Senior Hydrogeologist
Site Review Section

cc: Nicole L. LaPlant - Robert E. Lee & Associates, Inc.



SITE LOCATION AND LOCAL TOPOGRAPHY

CITY OF TWO RIVERS RIGHT OF WAY
 1813 - 1815 WASHINGTON STREET
 TWO RIVERS, WISCONSIN



1" = 2000'

MAP USED - TWO RIVERS - 1978

FIGURE 1

**TABLE 2
CITY OF TWO RIVERS RIGHT-OF-WAY
1813-1815 WASHINGTON STREET
GROUNDWATER ANALYTICAL RESULTS**

Parameter	NR 140	NR 140	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
	ES	PAL	4/29/05	4/29/05	4/29/05	4/29/05	6/3/05	6/3/05
VOC (µg/l)								
Chloroform	6	0.6	<0.37	<0.37	<i>2.6</i>	<0.37	<i>0.89 J</i>	<0.37
Dichlorodifluoromethane	1,000	200	<0.99	1.5 J	<0.99	<0.99	<0.99	<0.99
MTBE	60	12	0.70 J	<0.61	<0.61	20	<0.61	<0.61
Toluene	1,000	200	<0.67	<0.67	<0.67	0.72 J	<0.67	<0.67
PAH (µg/l)								
1-Methylnaphthalene	NE	NE	0.13	0.099	0.078	0.081	0.021 J	<0.081
2-Methylnaphthalene	NE	NE	0.18	0.14	0.11	0.12	0.033 J	<0.092
Acenaphthene	NE	NE	0.054 J	0.056 J	<0.021	<0.020	<0.020	<0.079
Acenaphthylene	NE	NE	0.26	0.096	0.078	0.027 J	<0.020	0.12 J
Anthracene	3,000	600	0.18	0.14	0.12	<0.018	<0.018	0.18 J
Benzo(a)anthracene	NE	NE	0.57	0.64	0.21	0.068	0.022 J	0.58
Benzo(a)pyrene	0.2	0.02	0.56	0.54	<i>0.17</i>	<i>0.076</i>	<i>0.026 J</i>	0.56
Benzo(b)fluoranthene	0.2	0.02	0.46	0.43	<i>0.12</i>	<i>0.050 J</i>	<i>0.024 J</i>	0.53
Benzo(ghi)perylene	NE	NE	0.46	0.47	0.14	0.12	0.024 J	0.38
Benzo(k)fluoranthene	NE	NE	0.39	0.40	0.12	0.049 J	0.023 J	0.48
Chrysene	0.2	0.02	0.51	0.63	<i>0.18</i>	<i>0.094</i>	<i>0.029 J</i>	0.58
Dibenz(a,h)anthracene	NE	NE	0.14	0.14	0.036 J	<0.023	<0.022	0.12 J
Fluoranthene	400	80	0.84	1.2	0.27	0.11	0.040 J	1.1
Fluorene	400	80	0.11	0.071 J	0.064 J	<0.023	<0.022	<0.088
Indeno(1,2,3-cd)pyrene	NE	NE	0.34	0.32	0.088	0.039 J	<0.017	0.33
Naphthalene	100	10	0.44	0.22	0.25	0.19	0.056 J	0.092 J
Phenanthrene	NE	NE	0.53	0.69	0.29	0.077	0.025 J	0.35
Pyrene	250	50	0.75	0.87	0.26	0.11	0.035 J	0.90

Key:

Bold = NR 140 Enforcement Standard Exceedance

Italics = NR 140 Preventive Action Limit Exceedance

TABLE 1
CITY OF TWO RIVERS RIGHT-OF-WAY
1813-1815 WASHINGTON STREET
SOIL ANALYTICAL RESULTS

Parameter	NR 720.09 RCL	Suggested RCLs for PAHs Groundwater Pathway	S-1 (8')	SB-1 (12-14')	SB-2 (10-12')	SB-3 (10-12')	SB-4 (10-12')	SB-5 (10-12')	SB-6 (9-11')
			4/1/05	4/29/05	4/29/05	4/29/05	4/29/05	6/3/05	6/3/05
DRO (mg/kg)	250	NE	960	<4.6	<4.4	<4.8	<4.6	<4.5	4.3
PVOC (µg/kg)									
Benzene	5.5	NE	---	<25	<25	<25	<25	<25	<25
Ethylbenzene	2,900	NE	---	<25	<25	<25	<25	<25	<25
MTBE	NE	NE	---	<25	<25	<25	<25	<25	<25
Toluene	1,500	NE	---	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	NE	NE	---	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	NE	---	<25	<25	<25	<25	<25	<25
Xylenes	4,100	NE	---	<50	<50	<50	<50	<50	<50
PAHs (µg/kg)									
1-Methylnaphthalene	NE	1,100,000	---	33	<2.7	<3.7	<2.7	<2.5	<2.6
2-Methylnaphthalene	NE	600,000	---	73	<3.7	<5.2	<3.8	<3.6	<3.7
Acenaphthylene	NE	18,000	---	<6.9	<6.5	<9.0	<6.6	7.1 J	<6.3
Anthracene	NE	5,000,000	---	<2.6	<2.5	<3.4	<2.5	8.3	3.7 J
Benzo(a)anthracene	NE	88	---	<15	<14	<20	<15	34 J	14 J
Benzo(a)pyrene	NE	8.8	---	<12	<12	<16	<12	38	15 J
Benzo(b)fluoranthene	NE	88	---	<10	<9.5	<13	<9.7	37 J	14 J
Benzo(ghi)perylene	NE	1,800	---	<6.9	<6.4	<8.9	<6.6	24	12 J
Benzo(k)fluoranthene	NE	880	---	<14	<13	<18	<13	37	15 J
Chrysene	NE	8,800	---	<14	<13	<18	<14	42	17 J
Dibenz(a,h)anthracene	NE	8.8	---	<4.1	<3.8	<5.3	<3.9	5.4 J	<3.8
Fluoranthene	NE	600,000	---	<12	<11	<15	<11	61	26 J
Fluorene	NE	600,000	---	3.1 J	<1.5	<2.1	<1.6	<1.5	<1.5
Indeno(1,2,3-cd)pyrene	NE	88	---	<6.5	<6.1	<8.5	<6.3	22	12 J
Naphthalene	NE	20,000	---	25	3.0 J	<3.9	<2.9	<2.7	<2.8
Phenanthrene	NE	18,000	---	11 J	<6.5	<9.0	<6.7	25	10 J
Pyrene	NE	500,000	---	<15	<14	<20	<15	63	24 J

Key:

NE = Not Established

--- = Not Analyzed

= RCL Exceedance

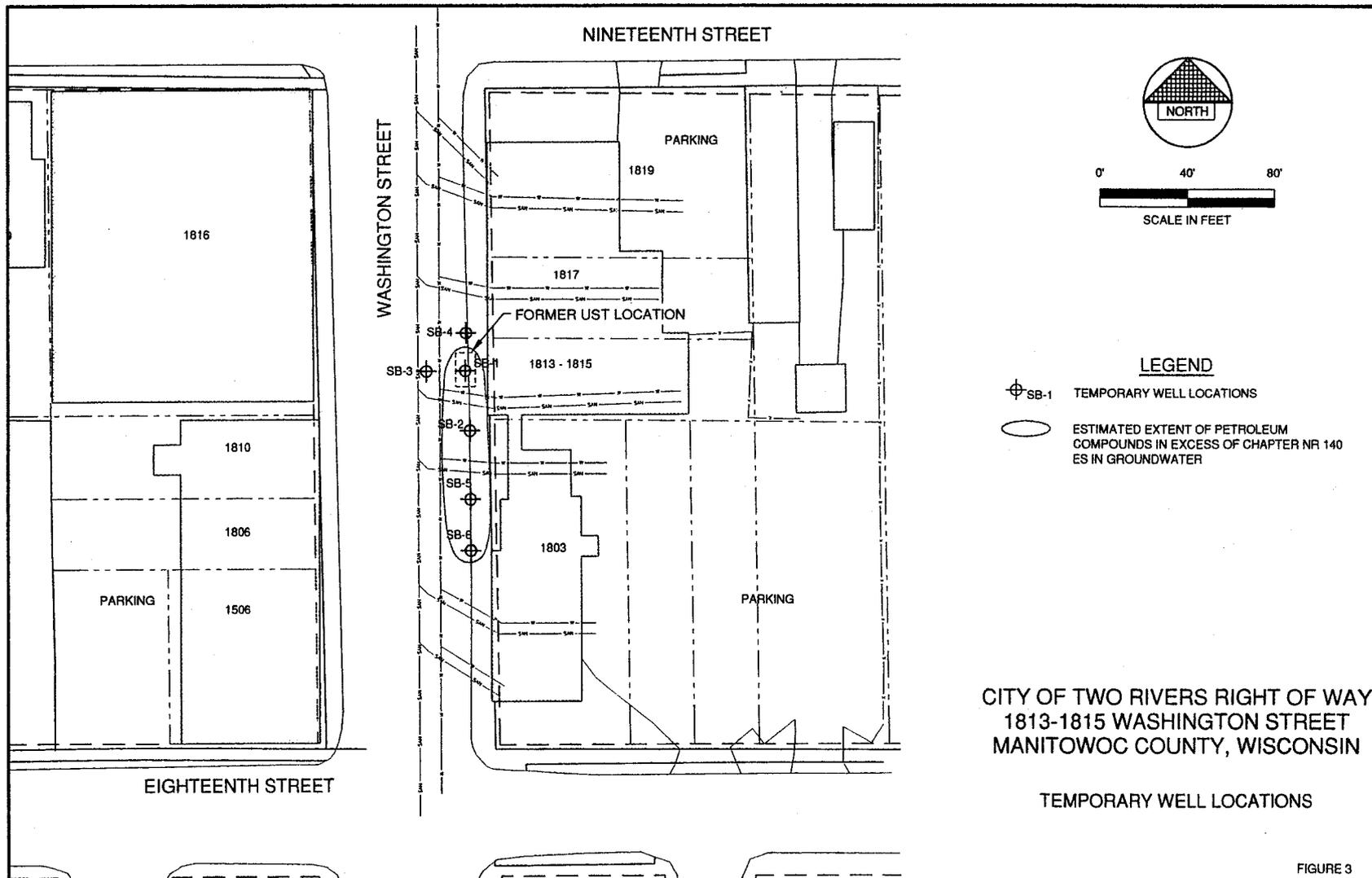
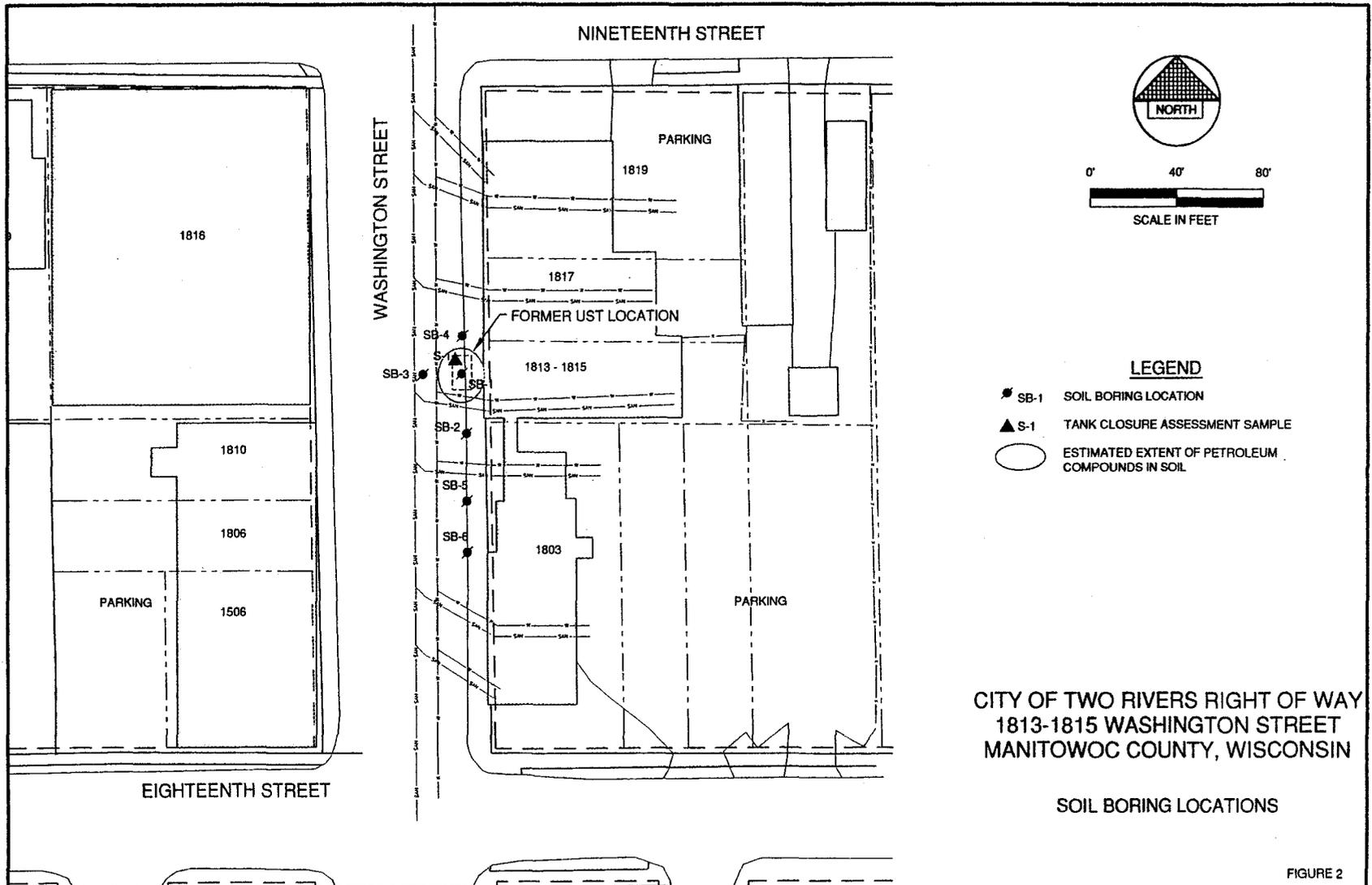


FIGURE 3



File: R:\2900\2957\2957018.dwg SOIL BORING AND WELL LOCATIONS.dwg
 Plot Date: Jan 24, 2008 - 3:03pm

FIGURE 2



Robert E. Lee & Associates, Inc.

Engineering, Surveying, Environmental Services

February 18, 2008

Green Bay Office
4664 Golden Pond Park Ct.
Oneida, WI 54155
920-662-9641
FAX 920-662-9141
E Mail rel@releinc.com

Mr. Scott Ahl
Department of Public Works
CITY OF TWO RIVERS
P. O. Box 87
Two Rivers, WI 54241-0087

RE: Residual Contamination Beneath Washington Street
Adjacent to 1813 - 1815 Washington Street, Two Rivers, Wisconsin
COMMERCE #03-36-542998

Dear Mr. Ahl:

Per Section NR 726.05, Wisconsin Administrative Code (Wis. Adm. Code), Robert E. Lee & Associates, Inc., (REL) is providing notification that petroleum contamination exists beneath the Washington Street right-of-way adjacent to 1813 - 1815 Washington Street, Two Rivers, Wisconsin (the Site). The petroleum contamination was identified during the removal of a fuel oil underground storage tank from within the City of Two Rivers right-of-way during 2005.

Investigative activities have included the installation of six soil borings and the collection of six groundwater samples from the respective borings. Based on the results of the investigation, petroleum-impacted soil and groundwater is present beneath Washington Street. The contamination is present between approximately 8 to 14 feet below grade. The horizontal extent of petroleum-impacted soil and groundwater is depicted on the enclosed maps. The soil and groundwater analytical results are summarized on the enclosed tables. Precautions may need to be taken when excavating or dewatering this area in the future.

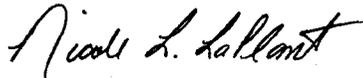
We have submitted a case closure request to the Wisconsin Department of Commerce (WDCOM) for the Site. As part of the case closure request, the WDCOM requires that written notification of the presence of residual contamination be given to the Town, County, or Municipality where the right-of-way is located, and to the municipal department or state agency that maintains the right-of-way. Please accept this letter as written notification that petroleum contamination is present beneath Washington Street.

February 18, 2008
Mr. Scott Ahl
CITY OF TWO RIVERS
Page 2

Please feel free to contact this office if you have any questions or concerns regarding the residual contamination. In addition, you may contact the WDCOM Project Manager, Mr. Robert Klauk, at (920) 424-0046.

Sincerely,

ROBERT E. LEE & ASSOCIATES, INC.



Nicole L. LaPlant
Senior Project Geologist

NLL/LAF

ENC.

CC/ENC.: Mr. Robert Klauk, WDCOM

Nicole L. LaPlant

From: TeBeest, Sharlene [sharlene.tebeest@dot.state.wi.us]
Sent: Friday, February 15, 2008 12:21 PM
To: 'Nicole L. LaPlant'
Subject: RE: Notification of Contamination in the Right-of-Way

Thanks Nicole,

I've received the notification for the City of Two Rivers for the contamination on STH 42.

Please keep a copy of this receipt for your files.

Shar

Sharlene Te Beest
Hazardous Materials Specialist
Wisconsin Department of Transportation, Bureau of Equity and Environmental Services
Phone: 608-266-1476; Fax: 608-266-7818; Cell: 608-692-4546
Address: WISDOT- BEES; PO Box 7965; Room 451 HFSTB; Madison, WI 53707-7965

-----Original Message-----

From: Nicole L. LaPlant [mailto:nlaplant@releeinc.com]
Sent: Thursday, February 14, 2008 1:19 PM
To: sharlene.tebeest@dot.state.wi.us
Subject: Notification of Contamination in the Right-of-Way

Hi Shar -

Attached is a notification of contamination within the right-of-way for the City of Two Rivers Right-of-Way, 1813-1815 Washington Street Site (BRRTS #03-36-542998). Please let me know if you need any more information.
Thanks,

Nicole L. LaPlant
Senior Project Geologist
Robert E. Lee & Associates, Inc.
Phone: 920-662-9641
Fax: 920-662-9141
E-Mail: nlaplant@releeinc.com

2/15/2008

NOTIFICATION OF CONTAMINATION WITHIN THE RIGHT OF WAY

County: Manitowoc
Highway: State Highway 42
Site Name: Two Rivers Right-of-Way
Site Address: 1813-1815 Washington Street
BRRTS Number: 03-36-542998
PECFA Number: None

Responsible Party's Name: City of Two Rivers
Contact: Mr. Scott Ahl, Department of Public Works
Address: 1717 East Park Street
Post Office Box 87
Two Rivers, WI 54241

Soil Contamination

Present: Yes
Depth: 8 feet below grade (fbg)
Vertical extent: Contaminated soil extents to the groundwater table, which is approximately 10 fbg.
Contaminants in Excess of the RCLs: DRO, benzo(a)pyrene

Groundwater Contamination

Present: Yes
Depth to water: Approximately 10 fbg
Contaminants in Excess of the ES: Benzo(a)pyrene, benzo(b)fluoranthene, chysene

Case Summary

The petroleum contamination was identified during the removal of a fuel oil underground storage tank from within the City of Two Rivers right-of-way during 2005. Investigative activities have included the installation of six soil borings and the collection of six groundwater samples from the respective borings. Based on the results of the investigation, petroleum-impacted soil and groundwater slightly in excess of state standards is present beneath Washington Street. The horizontal extent of petroleum-impacted soil and groundwater is shown on the attached maps. The soil and groundwater analytical results are summarized on the attached tables.