REVISED
1:51 pm, May 12, 2015

POST CLOSURE

State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

GIS REGISTRY (Cover Sheet)
Form 4400-280 (R 6/13)

Source Property Information

CLOSURE DATE: 01/30/2014

BRRTS #: **02-32-000195**

FID #: 632023590

ACTIVITY NAME: Trane CO Plant # 6

DATCP #:

PROPERTY ADDRESS: 606 George Street/1319 St. Andrew Street

PECFA#:

MUNICIPALITY: La Crosse

PARCEL ID #: 17-10289-40

***WTM COORDINATES:**

X: **420494** Y: **374217**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

○ Approximate Center Of Contaminant Source

◉ Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

☒ Groundwater Contamination > ES *(236)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

☒ Soil Contamination > *RCL or **SSRCL *(232)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

Site Specific Obligations:

☐ Soil: maintain industrial zoning *(220)*

*(**note:** soil contamination concentrations between non-industrial and industrial levels)*

☐ Structural Impediment *(224)*

☐ Site Specific Condition *(228)*

☐ Cover or Barrier *(222)*

- ☐ Direct Contact
- ☐ Soil to GW Pathway

☒ Vapor Mitigation *(226)*

☐ Maintain Liability Exemption *(230)*

*(**note:** local government unit or economic development corporation was directed to take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

◉ Yes ○ No ○ N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

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State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

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

WISCONSIN DEPT. OF NATURAL RESOURCES

April 30, 2015

Mr. Paul Borsheim
Stizo Development LLC
2 Copeland Ave., Suite 201
La Crosse, WI 54603

Mr. James Hill
La Crosse Industrial Park Corporation
712 Main St.
La Crosse, WI 54601

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Addendum to Final Case Closure with Continuing Obligations Letter Dated January 30, 2014;
Former Trane Company Plant #6 Located at 606 George Street/1319 St. Andrew Street (f/k/a 1305 St. Andrew Street) La Crosse, Wisconsin
WDNR BRRTS Activity # 02-32-000195 & 07-32-547753

Dear Mr. Borsheim and Mr. Hill:

In a letter dated January 30, 2014, the Department of Natural Resources (DNR) approved closure of the Trane Plant #6 site, with continuing obligations. On April 13, 2015, the DNR received your request to modify the continuing obligations required in the January 30, 2014 closure letter.

The continuing obligations required at the time of closure included maintenance of a cap overlying the historic fill area on the western perimeter of the site, as shown in the **attached map Figure B.2.c**. In a report titled "*Remedial Action Documentation Report for Former La Crosse Footwear Property*" submitted on your behalf by Cedar Corp., and dated March 10, 2015, it was documented that the historic fill area was removed from the site between Jan. 21 and Feb. 2, 2015. The report summarizes the excavation of 12,512 tons of contaminated soil, slag and rubble from the historic fill area, which was then properly disposed of at the La Crosse County landfill. The original Trane Plant #6 parcel has been subdivided since it received closure from the DNR. The western portion of the site which is subject to this addendum to the original closure letter is now owned by Stizo Development LLC and is identified as La Crosse County Tax Parcel 17-10289-40. Since the historic fill area has been completely removed from the site, your request to revise the requirement to maintain an asphalt cap over residual contamination within the historic fill area is hereby approved. The **attached map Figure B.2.c. (rev. 4-10-2015)** reflects the removal of the reference to the former historic fill site.

Please note that you, future property owners, and occupants of the property must comply with the revised continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

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The property ("Property") was historically used for industrial manufacturing, cold storage and office space. The contaminants present during the site investigation and remediation phases included hydraulic oil and volatile organic compounds ("VOCs") in both soil and groundwater. Responses included free-product recovery, soil excavation with off-site disposal and soil vapor extraction ("SVE"). The conditions of closure and continuing obligations required were based on the property being used for commercial or residential purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Remaining soil and groundwater contamination could result in vapor intrusion if future construction activities occur. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

The DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at http://dnr.wi.gov/topic/Brownfields/rrsm.html, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/topic/wells/documents/3300254.pdf.

All site information is also on file at the West Central Regional DNR office, at 1300 W. Clairemont Ave., Eau Claire, WI. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a PDF in BRRTS on the Web.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

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Please send written notifications in accordance with the following requirements to the West Central Regional DNR office, at 1300 W. Clairemont Ave., Eau Claire, WI, to the attention of Doug Joseph.

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown on the **attached map Figure B.3.b.4**. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains in areas outlined in Figure B.2.c of the closure submittal and as indicated on the **attached map Figure B.2.c**. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Chlorinated VOCs remain in soil and groundwater in areas as shown on the **attached map Figure B.4.a**, at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. There are currently no buildings present on the Property. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or

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- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Doug Joseph at 715-839-1602.

Sincerely,

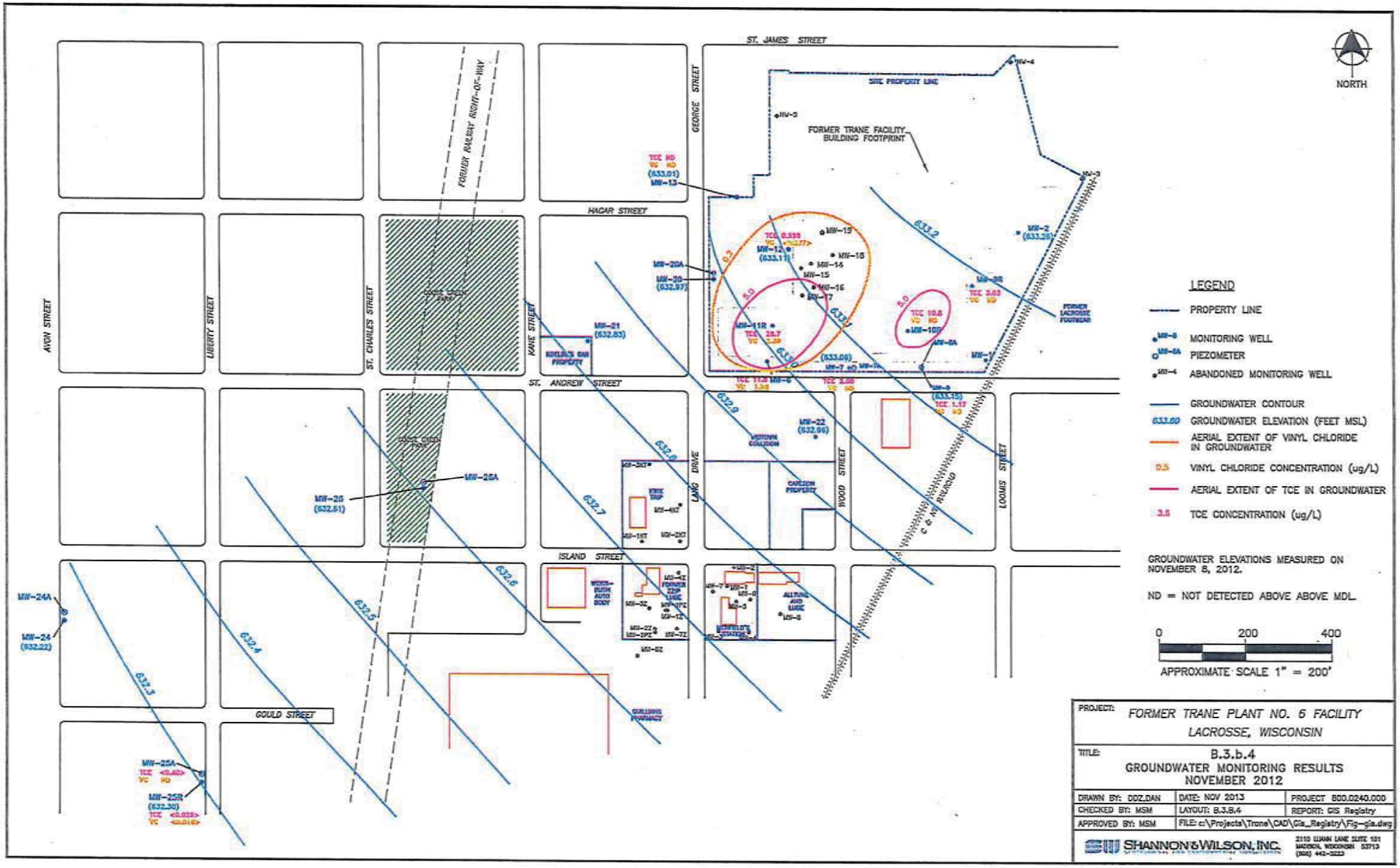
David Rozeboom, Team Supervisor
West Central Region Remediation & Redevelopment Program

Attachments:
- remaining groundwater contamination map – B.3.b.4
- remaining soil contamination map - B.2.c
- vapor intrusion map - B.4.a

c: Amy Peterson, City of La Crosse, 400 La Crosse St., La Crosse, WI 54601
Scott McCurdy, Cedar Corp., 604 Wilson Ave., Menomonie, WI 54751

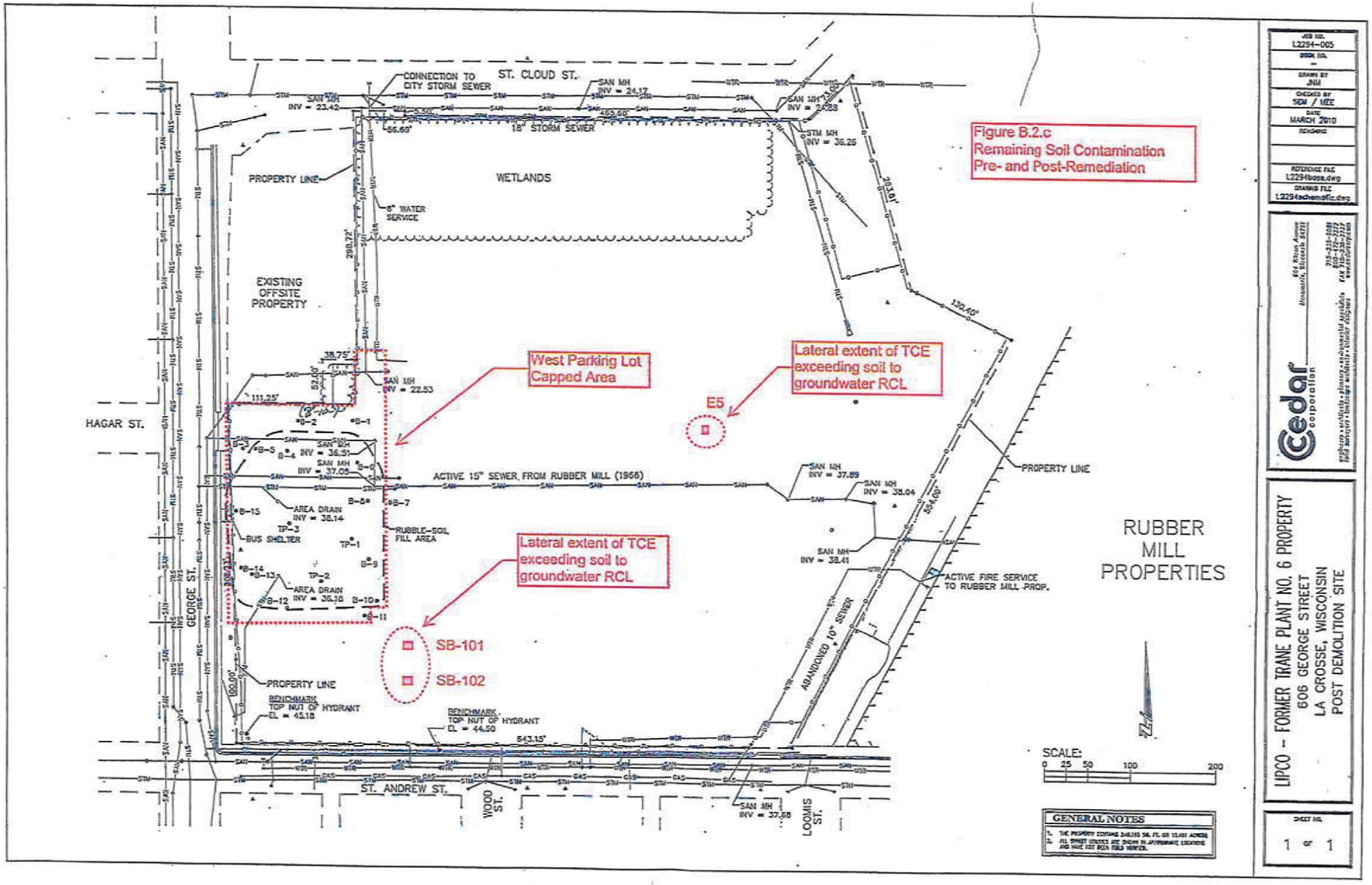
POST CLOSURE

Figure is from the 01/30/2014 closure.



POST CLOSURE

Figure is from the 01/30/2014 closure.



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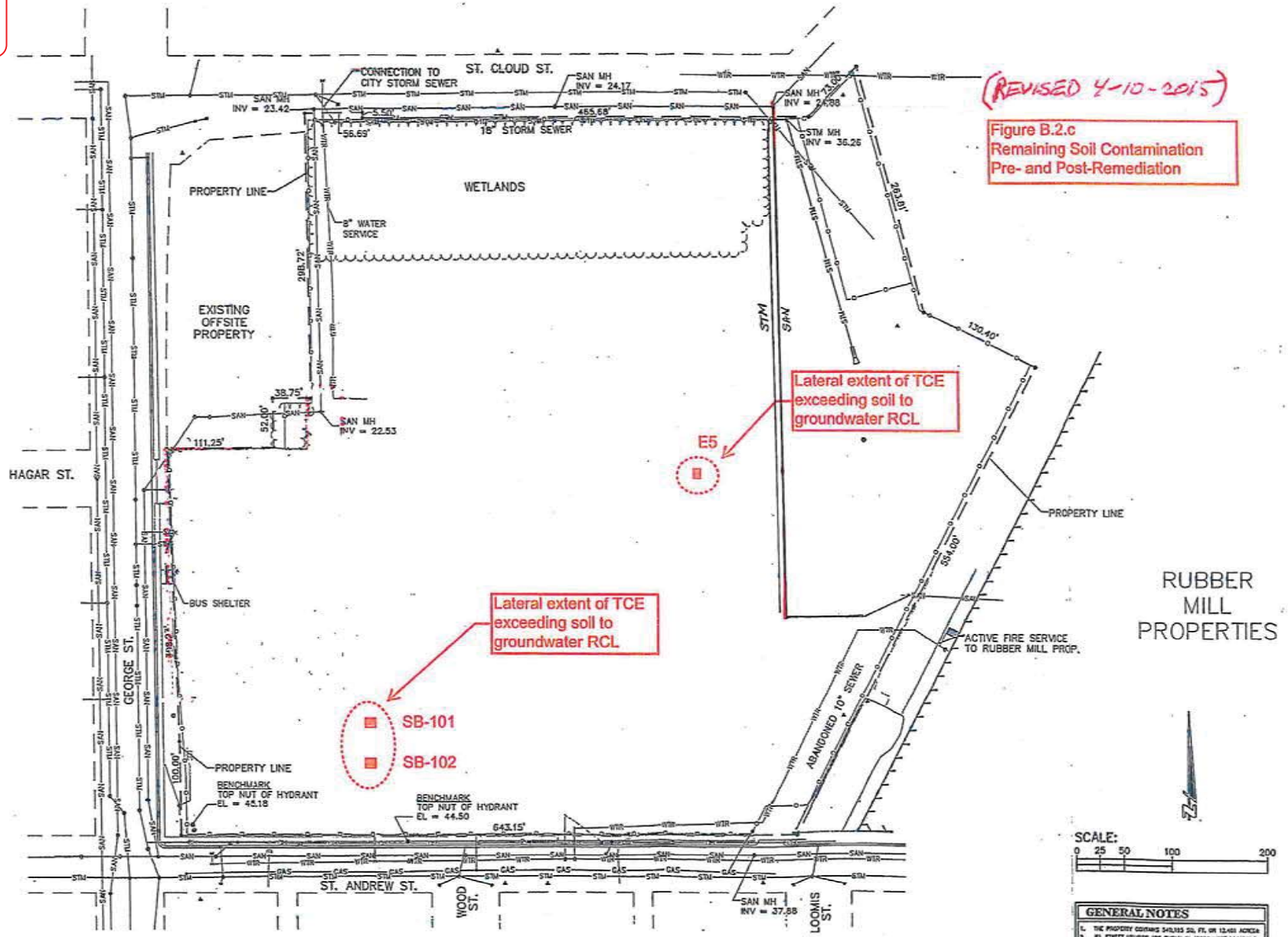
(REVISED 4-10-2015)

Figure B.2.c
Remaining Soil Contamination
Pre- and Post-Remediation



GENERAL NOTES

1. THE PROPERTY CONTAINS 540,193 SQ. FT. OR 12.401 ACRES
2. ALL STREET UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND HAVE NOT BEEN FIELD VERIFIED.

JOB NO. L2294-005
BOOK NO. -
DRAWN BY JNJ
CHECKED BY SEM / UEE
DATE MARCH 2010
REVISIONS
REFERENCE FILE L2294base.dwg
DRAWING FILE L2294schematic.dwg

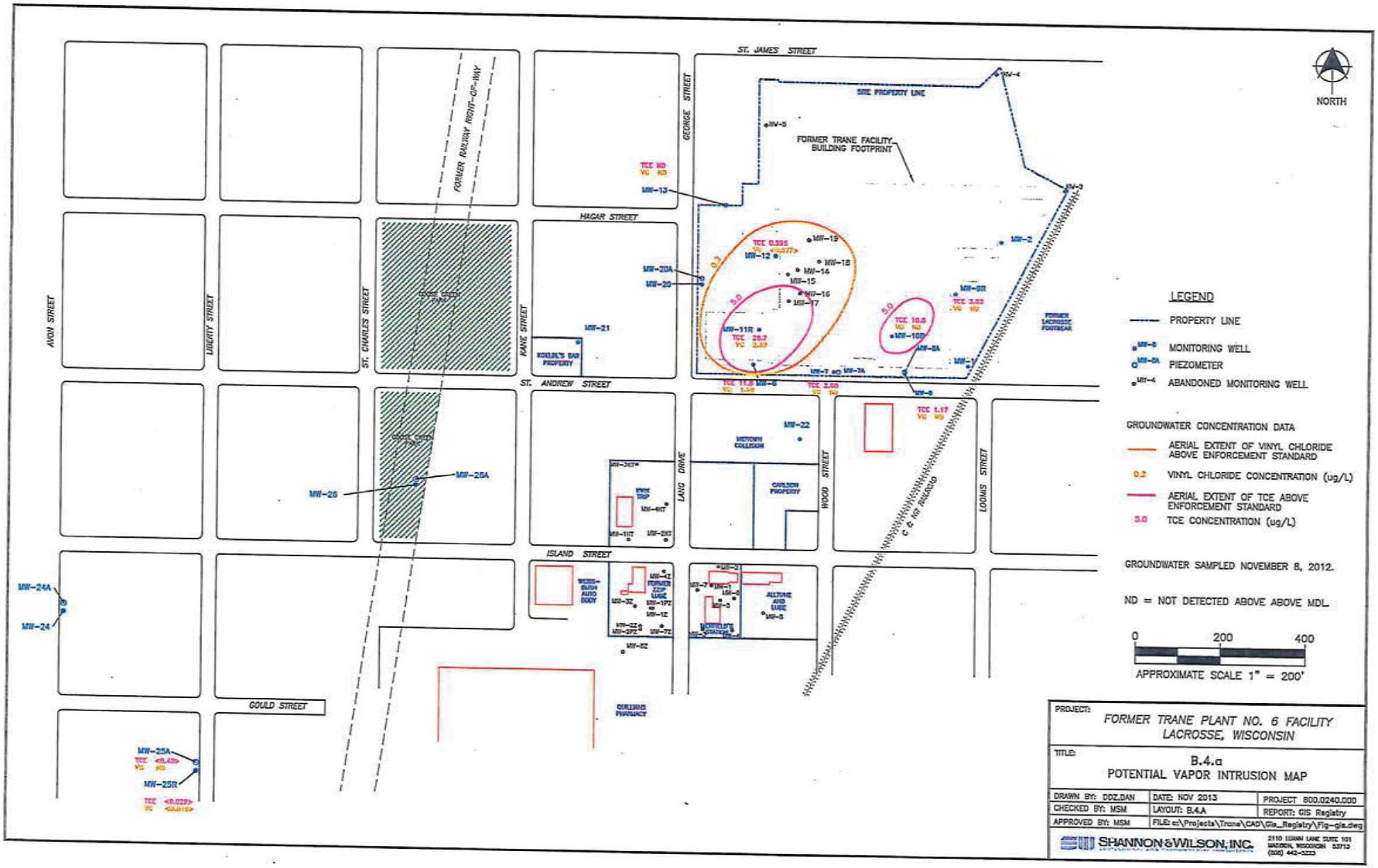
Cedar corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751
715-231-6991
800-472-2372
FAX 715-235-3757
www.cedarcorp.com
engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

LIPCO - FORMER TRANE PLANT NO. 6 PROPERTY
606 GEORGE STREET
LA CROSSE, WISCONSIN
POST DEMOLITION SITE

SHEET NO. 1 OF 1

POST CLOSURE

Figure is from the 01/30/2014 closure.

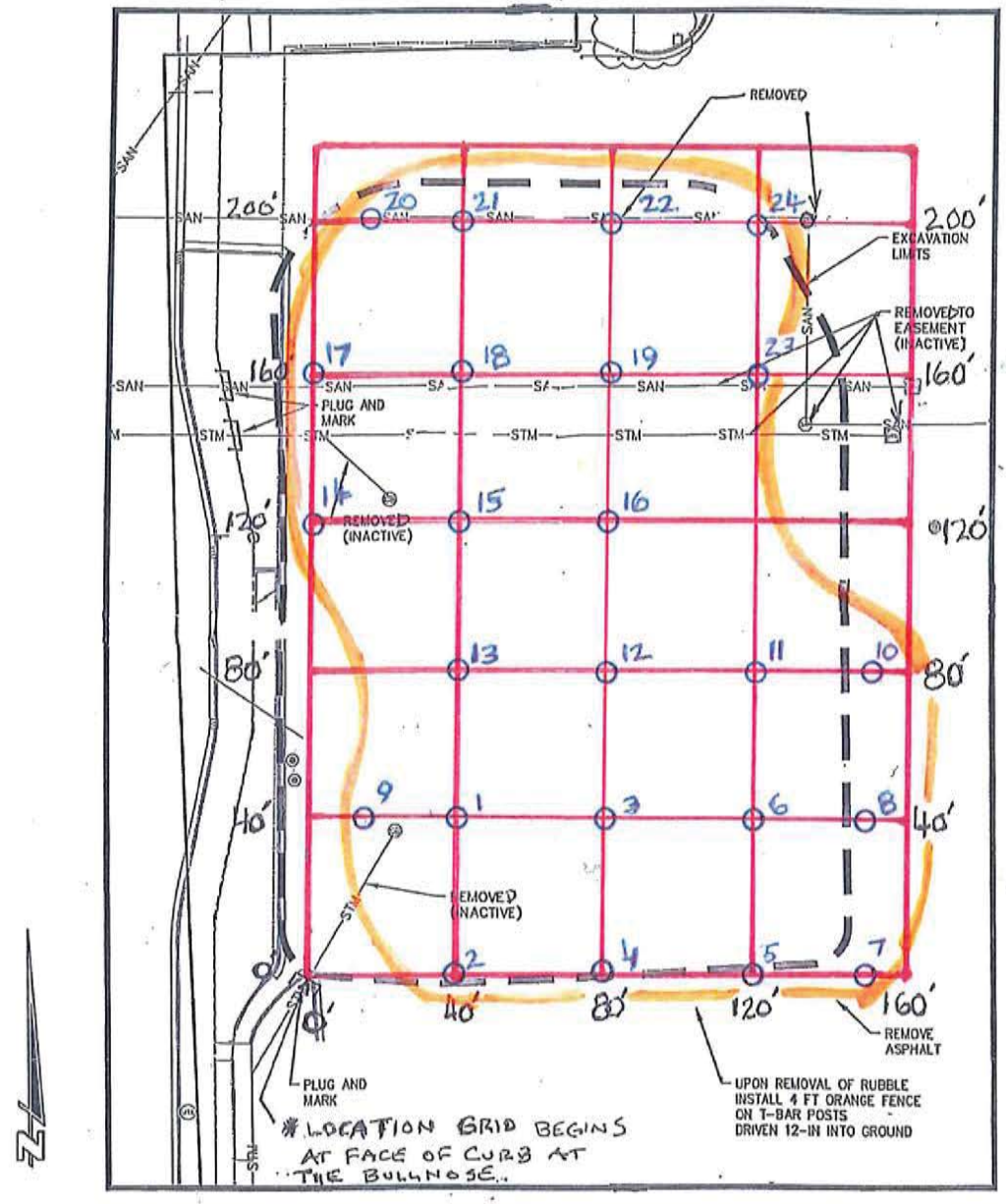


POST CLOSURE

LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT

LA CROSSE WI

CONFIRMATION SAMPLING LOCATION GRID



SCALE: 0 10 20 40

REMOVAL QUANTITIES

150 = SAN (LF)
244 = STM (LF)
3,630 = ASPHALT (SY)
200 = CURB TREE SURRONDS (LF)
5 = CLEAR TREE SURROUNDS (EA)
9,962 = CONTAMINATED SOIL (CY)

OTHER QUANTITIES

846 = TEMPORARY FENCE (LF)
= EXCAVATION LIMITS ACTUAL
O# = CONFIRMATION SOIL SAMPLE LOCATION
= LOCATION GRID

FIGURE 2. EXCAVATION EXTENT AND CONFIRMATION SOIL SAMPLE LOCATIONS

POST CLOSURE

TABLE 2
CONFIRMATION POLYNUCLEAR AROMATIC HYDROCARBON SOIL ANALYTICAL RESULTS
LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT
LA CROSSE, WI

Compound	Units of Measure (ug/kg)				Location	40'N/40'E 1	0'N/40'E 2	40"N/80'E 3	0'N/80'E 4	0'N/120'E 5	40'N/120'E 6
	Non-Industrial Direct Contact RCL *	Industrial Direct Contact RCL *	RCL DF-1 Groundwater Pathway *	RCL DF-2 Groundwater Pathway *	Laboratory ID	500-91230-1	500-91230-3	500-91230-4	500-91230-2	50091410-1	500-91410-2
					Sample Date	1/21/2015	1/21/2015	1/21/2015	1/21/2015	1/22/2015	1/22/2015
					Sample Depth	9'	9'	9'	9'	9'	9'
Acenaphthene	3,440,000	33,000,000				<7.1	15.0	<6.4	<9.3	<38	65.0
Acenaphthylene		487,000				<5.2	11.0	21.0	21.0	<28	36.0
Anthracene	17,200,000	100,000,000	98,372.1	196,744.2		<6.6	67.0	51.0	610.0	110.0	230.0
Benzo (a) Anthracene	148	2,110				<5.3	170.0	380.0	63.0	230.0	360.0
Benzo (b) Fluoranthene	148	2,110	240	480		<8.6	230.0	*490.0*	83.0	300.0	240.0
Benzo (k) Fluoranthene	1,480	21,100				<12	130.0	210.0	51.0	140.0	100.0
Benzo (a) Pyrene	15	211	235	470		<7.7	170.0	410.0	55.0	250.0	170.0
Benzo (ghi) Perylene						<13	140.0	330.0	36.0	220.0	160.0
Chrysene	14,800	211,000	72.5	145.1		<11	*210.0*	*470.0*	83.0	*260.00*	*320.0*
Dibenzo (a,h) Anthracene	15	211				<7.7	51.0	110.0	11.0	63.0	<38
Fluoranthene	2,290,000	22,000,000	44,408.9	88,817.9		<7.4	330.0	610.0	180.0	360.0	330.0
Fluorene	2,290,000	22,000,000	7,407.4	14,814.8		<5.6	24.0	17.0	<7.2	53.0	110.0
Indeno (1,2,3-cd) Pyrene	148	2,110				<10	120.0	290.0	33.0	190.0	51.0
1-Methyl Naphthalene	15,600	53,100				<9.7	18.0	24.0	<13	100.0	340.0
2-Methyl Naphthalene	229,000	368,000				<7.3	19.0	23.0	12.0	130.0	320.0
Naphthalene	5,150	26,000	329.4	658.7		<6.1	16.0	24.0	12.0	85.0	110.0
Phenanthrene	115,000	115,000				<5.5	200.0	300.0	150.0	570.0	1,400.0
Pyrene	1,720,000	16,500,000	27,236.2	54,472.5		<7.9	370.0	810.0	170.0	440.0	510.0

* US EPA Regional Screening Level Web-Calculator for Wisconsin Soil RCLs - maximum not to exceed values.

** Calculation of cumulative RCLs are not provided in this table.

Units of Measure (ug/kg)

PAH = Polynuclear Aromatic Hydrocarbons

POST CLOSURE

TABLE 2
CONFIRMATION POLYNUCLEAR AROMATIC HYDROCARBON SOIL ANALYTICAL RESULTS
LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT
LA CROSSE, WI

Compound	Units of Measure (ug/kg)				Location	0'N/150'E 7	40'N/150'E 8	40'N/15'E 9	80'N/150'E 10	80'N/120'E 11	80'N/80"E 12
	Non-Industrial Direct Contact RCL *	Industrial Direct Contact RCL *	RCL DF-1 Groundwater Pathway *	RCL DF-2 Groundwater Pathway *	Laboratory ID	500-91410-3	500-91410-4	500-91410-5	500-91410-6	500-91410-7	500-91410-8
					Sample Date	1/22/2015	1/23/2015	1/26/2015	1/26/2015	1/26/2015	1/27/2015
					Sample Depth	9'	9'	9'	9'	9'	9'
Acenaphthene	3,440,000	33,000,000				<40	60.0	<6.9	<34	<36	150.0
Acenaphthylene		487,000				<29	63.0	7.8	<25	44.0	41.0
Anthracene	17,200,000	100,000,000	98,372.1	196,744.2		180	320.0	58.0	120.0	210.0	520.0
Benzo (a) Anthracene	148	2,110				230	770.0	84.0	250.0	410.0	1,300.0
Benzo (b) Fluoranthene	148	2,110	240	480		110	*790.0*	66.0	240.0	360.0	*1,500.0*
Benzo (k) Fluoranthene	1,480	21,100				92	450.0	24.0	100.0	130.0	590.0
Benzo (a) Pyrene	15	211	235	470		190	*720.0*	53.0	220.0	300.0	*1,100.0*
Benzo (ghi) Perylene						82	470.0	40.0	210.0	220.0	640.0
Chrysene	14,800	211,000	72.5	145.1		*210*	*920.0*	86.0	*310.0*	*420.0*	*1,600.0*
Dibenzo (a,h) Anthracene	15	211				<43	97.0	7.8	<37	80.0	180.0
Fluoranthene	2,290,000	22,000,000	44,408.9	88,817.9		220	1,300.0	130.0	290.0	530.0	3,100.0
Fluorene	2,290,000	22,000,000	7,407.4	14,814.8		64	170.0	20.0	<27	<28	260.0
Indeno (1,2,3-cd) Pyrene	148	2,110				<58	400.0	30.0	180.0	160.0	640.0
1-Methyl Naphthalene	15,600	53,100				250	600.0	110.0	320.0	520.0	470.0
2-Methyl Naphthalene	229,000	368,000				290	540.0	110.0	320.0	600.0	520.0
Naphthalene	5,150	26,000	329.4	658.7		120	230.0	43.0	120.0	200.0	210.0
Phenanthrene	115,000	115,000				630	2,200.0	350.0	790.0	1,500.0	3,600.0
Pyrene	1,720,000	16,500,000	27,236.2	54,472.5		270	1,800.0	150.0	410.0	700.0	3,400.0

* US EPA Regional Screening Level Web-Calculator for Wisconsin Soil RCLs - maximum not to exceed values.

** Calculation of cumulative RCLs are not provided in this table.

Units of Measure (ug/kg)

PAH = Polynuclear Aromatic Hydrocarbons

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TABLE 2
CONFIRMATION POLYNUCLEAR AROMATIC HYDROCARBON SOIL ANALYTICAL RESULTS
LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT
LA CROSSE, WI

Compound	Units of Measure (ug/kg)				Location	80'N/40'E 13	120'N/0'E 14	120'N/40'E 15	120'N/80'E 16	160'N/0'E 17	160'N/40'E 18
	Non-Industrial Direct Contact RCL *	Industrial Direct Contact RCL *	RCL DF-1 Groundwater Pathway *	RCL DF-2 Groundwater Pathway *	Laboratory ID	500-91652-1	500-91652-2	500-91652-3	500-91652-4	500-91652-5	500-91652-6
					Sample Date	1/27/2015	1/28/2015	1/28/2015	1/28/2015	1/28/2015	1/28/2015
					Sample Depth	9'	9'	9'	9'	9'	9'
Acenaphthene	3,440,000	33,000,000				<75	<88	<36	110.0	61.0	<73
Acenaphthylene		487,000				<55	<64	<26	<26	58.0	<53
Anthracene	17,200,000	100,000,000	98,372.1	196,744.2		250.0	120.0	210.0	520.0	210.0	300.0
Benzo (a) Anthracene	148	2,110				410.0	420.0	360.0	760.0	590.0	850.0
Benzo (b) Fluoranthene	148	2,110	240	480		260.0	*480.0*	280.0	400.0	*1,000.0*	*580.0*
Benzo (k) Fluoranthene	1,480	21,100				<120	240.0	87.0	110.0	520.0	340.0
Benzo (a) Pyrene	15	211	235	470		220.0	390.0	210.0	380.0	*790.0*	*510.0*
Benzo (ghi) Perylene						150.0	500.0	440.0	130.0	600.0	260.0
Chrysene	14,800	211,000	72.5	145.1		*360.0*	*480.0*	*300.0*	*760.0*	*640.0*	*730.0*
Dibenzo (a,h) Anthracene	15	211				<81	<94	76.0	<38	180.0	100.0
Fluoranthene	2,290,000	22,000,000	44,408.9	88,817.9		510.0	760.0	460.0	930.0	1,200.0	860.0
Fluorene	2,290,000	22,000,000	7,407.4	14,814.8		<59	<69	<28	120.0	110.0	<57
Indeno (1,2,3-cd) Pyrene	148	2,110				<110	250.0	200.0	<50	530.0	220.0
1-Methyl Naphthalene	15,600	53,100				420.0	<120	520.0	2,100.0	68.0	360.0
2-Methyl Naphthalene	229,000	368,000				400.0	<90	530.0	2,000.0	62.0	280.0
Naphthalene	5,150	26,000	329.4	658.7		180.0	<75	220.0	770.0	69.0	120.0
Phenanthrene	115,000	115,000				1,700.0	690.0	1,300.0	4,300.0	930.0	2,200.0
Pyrene	1,720,000	16,500,000	27,236.2	54,472.5		560.0	670.0	350.0	1,200.0	960.0	910.0

* US EPA Regional Screening Level Web-Calculator for Wisconsin Soil RCLs - maximum not to exceed values.

** Calculation of cumulative RCLs are not provided in this table.

Units of Measure (ug/kg)

PAH = Polynuclear Aromatic Hydrocarbons

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TABLE 2
CONFIRMATION POLYNUCLEAR AROMATIC HYDROCARBON SOIL ANALYTICAL RESULTS
LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT
LA CROSSE, WI

Compound	Units of Measure (ug/kg)				Location	160'N/80'E 19	200'N/15'E 20	200'N/40'E 21	200'N/80'E 22	160'N/120'E 23	200'N/120'E 24
	Non-Industrial Direct Contact RCL *	Industrial Direct Contact RCL *	RCL DF-1 Groundwater Pathway *	RCL DF-2 Groundwater Pathway *	Laboratory ID	500-91652-7	500-91652-8	500-91652-9	500-91652-10	500-91652-11	500-91652-12
					Sample Date	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
					Sample Depth	9'	9'	9'	9'	9'	9'
Acenaphthene	3,440,000	33,000,000				38.0	20.0	48.0	<8.5	<34	39.0
Acenaphthylene		487,000				<5.3	<4.9	<5.2	<6.2	38.0	<4.9
Anthracene	17,200,000	100,000,000	98,372.1	196,744.2		250.0	190.0	410.0	16.0	240.0	310.0
Benzo (a) Anthracene	148	2,110				380.0	270.0	480.0	20.0	440.0	440.0
Benzo (b) Fluoranthene	148	2,110	240	480		220.0	130.0	220.0	14.0	260.0	230.0
Benzo (k) Fluoranthene	1,480	21,100				51.0	140.0	63.0	<14	88.0	80.0
Benzo (a) Pyrene	15	211	235	470		180.0	120.0	190.0	<9.1	190.0	190.0
Benzo (ghi) Perylene						<13	<12	<13	<15	<60	<12
Chrysene	14,800	211,000	72.5	145.1		*350.0*	*260.0*	*420.0*	18.0	*410.0*	*410.0*
Dibenzo (a,h) Anthracene	15	211				<7.7	<7.2	<7.6	<9.1	<36	<7.1
Fluoranthene	2,290,000	22,000,000	44,408.9	88,817.9		450.0	360.0	580.0	37.0	590.0	590.0
Fluorene	2,290,000	22,000,000	7,407.4	14,814.8		<5.6	<5.3	<5.5	<6.6	47.0	<5.2
Indeno (1,2,3-cd) Pyrene	148	2,110				<10	<9.7	<10	<12	<49	<9.6
1-Methyl Naphthalene	15,600	53,100				570.0	240.0	300.0	14.0	520.0	330.0
2-Methyl Naphthalene	229,000	368,000				530.0	200.0	370.0	15.0	410.0	240.0
Naphthalene	5,150	26,000	329.4	658.7		220.0	110.0	160.0	19.0	210.0	100.0
Phenanthrene	115,000	115,000				1,500.0	1,500.0	2,500.0	110.0	2,300.0	2,200.0
Pyrene	1,720,000	16,500,000	27,236.2	54,472.5		520.0	340.0	550.0	23.0	630.0	710.0

* US EPA Regional Screening Level Web-Calculator for Wisconsin Soil RCLs - maximum not to exceed values.

** Calculation of cumulative RCLs are not provided in this table.

Units of Measure (ug/kg)

PAH = Polynuclear Aromatic Hydrocarbons

POST CLOSURE

TABLE 3
ARSENIC, CADMIUM, LEAD and MERCURY
LIPCO FOOTWEAR BROWNFIELD REDEVELOPMENT
La Crosse, WI

Sample ID	Sample Depth	Sample Date	Laboratory ID	Arsenic (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)
Direct Contact Pathway Industrial (applies 0-4 ft below surface)				2.39	799	800	3.13
Direct Contact Pathway Non-Industrial (applies 0-4 ft below surface)				0.613	70	400	3.13
DF-1 Groundwater Pathway				0.292	0.376	13.5	0.104
DF-2 Groundwater Pathway*				0.584	0.752	27	0.208
40'N/40'E 1	9'	1/21/2015	500-91230-1	*1.300*	0.096	5.100	0.008
0'N/40'E 2	9'	1/21/2015	500-91230-3	*19.800*	*1.700*	*70.900*	*0.210*
40'N/80'E 3	9'	1/21/2015	500-91230-4	*5.100*	*1.500*	*1040.000*	*0.520*
0'N/80'E 4	9'	1/21/2015	500-91230-2	*146.000*	*4.800*	*108.000*	*0.720*
0'N/120'E 5	9'	1/22/2015	500-91410-1	*66.400*	*2.800*	*554.000*	*0.490*
40'N/120'E 6	9'	1/22/2015	500-91410-2	*4.300*	0.130	37.800	0.072
0'N/150'E 7	9'	1/22/2015	500-91410-3	*2.500*	0.150	24.300	0.180
40'N/150'E 8	9'	1/23/2015	500-91410-4	*2.100*	0.130	29.900	0.140
40'N/15'E 9	9'	1/26/2015	500-91410-5	*4.200*	0.300	15.700	0.140
80'N/150'E 10	9'	1/26/2015	500-91410-6	*13.500*	*0.880*	*114.000*	0.052
80'N/120'E 11	9'	1/26/2015	500-91410-7	*3.300*	0.170	183.000	*0.940*
80'N/80'E 12	9'	1/27/2015	500-91410-8	*15.600*	*0.610*	*214.000*	*0.510*
80'N/40'E 13	9'	1/27/2015	500-91652-1	*22.900*	*1.800*	*338.000*	*0.330*
120'N/0'E 14	9'	1/28/2015	500-91652-2	*29.000*	*3.400*	*828.000*	*7.500*
120'N/40'E 15	9'	1/28/2015	500-91652-3	*18.100*	*1.200*	*204.000*	*0.420*
120'N/80'E 16	9'	1/28/2015	500-91652-4	*16.200*	*0.420*	*16.500*	0.140
160'N/0'E 17	9'	1/28/2015	500-91652-5	*5.500*	0.280	160.000	*0.260*
160'N/40'E 18	9'	1/28/2015	500-91652-6	*45.100*	*0.520*	*94.500*	0.093
160'N/80'E 19	9'	1/29/2015	500-91652-7	*19.400*	*1.900*	*167.000*	0.120
200'N/15'E 20	9'	1/30/2015	500-91652-8	*27.200*	*1.900*	*20.500*	0.200
200'N/40'E 21	9'	1/30/2015	500-91652-9	*26.500*	*2.300*	*32.200*	0.082
200'N/80'E 22	9'	1/30/2015	500-91652-10	*132.000*	*3.400*	*96.100*	*0.390*
160'N/120'E 23	9'	1/30/2015	500-91652-11	*27.100*	*2.400*	*208.000*	*0.430*
200'N/120'E 24	9'	1/30/2015	500-91652-12	*28.100*	*0.680*	*86.600*	0.047

RCL's refer to 2015 WDNR WebCalculator
Italics indicates the value exceeds the Industrial standard Groundwater pathway Recommended Level.
Bold lettering indicates the value exceeds the Industrial standard Direct Contact pathway Recommended Level.

NOTE: As all samples were collected 9 feet below surface then no samples meet the application critreria for the Industrial standard Direct Contact pathway and are therefore not presented in bold text.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

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

WISCONSIN DEPT. OF NATURAL RESOURCES

Jan. 30, 2014

Mr. David Sordi
Ingersoll-Rand
P.O. Box 389
Center Conway, NH 03813

Jim Hill
La Crosse Industrial Park Corporation
712 Main St.
La Crosse, WI 54601

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations Former Trane Company Plant #6, Located at 606 George Street/1319 St. Andrew Street (f/k/a 1305 St. Andrew Street) La Crosse, Wisconsin
WDNR BRRTS Activity # 02-32-000195 & 07-32-547753

Dear Mr. Sordi and Mr. Hill:

The Department of Natural Resources (DNR) considers Trane Company Plant #6 closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wis. Adm. Code. The West Central Regional Closure Committee reviewed the request for closure on April 4, 2013. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on April 5, 2013, and documentation that the conditions in that letter were met was received on Nov. 7, 2013 and Jan. 29, 2014.

The property ("Property") was historically used for industrial manufacturing until recently when the combined use changed to cold storage and office space. The contaminants present during the site investigation and remediation phases included hydraulic oil and volatile organic compounds ("VOCs") in both soil and groundwater. Responses included free-product recovery, soil excavation with off-site disposal and soil vapor extraction ("SVE"). The conditions of closure and continuing obligations required were based on the property being used for commercial or residential purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
- Remaining soil contamination could result in vapor intrusion if future construction activities occur. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

The DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at http://dnr.wi.gov/topic/Brownfields/rrsm.html, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/topic/wells/documents/3300254.pdf.

All site information is also on file at the West Central Regional DNR office, at 1300 W. Clairemont Ave., Eau Claire, WI. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a PDF in BRRTS on the Web.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement is required, as shown on the **attached map B.2.C**, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plans are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to the West Central Regional DNR office, at 1300 W. Clairemont Ave., Eau Claire, WI, to the attention of Doug Joseph.

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown on the **attached map Figure B.3.b.4**. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains in areas outlined in Figure B.2.c of the closure submittal and as indicated on the **attached map Figure B.2.c**. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)

The pavement that exists in the location shown on the **attached map B.2.c** shall be maintained in compliance with the **attached maintenance plan** in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single family residence.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

The **attached maintenance plan and inspection log (DNR form 4400-305)** are to be kept up-to-date and at the La Crosse Industrial Park Corporation office. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Chlorinated VOCs remain in soil and groundwater in areas as shown on the **attached map Figure B.4.a**, at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. There are currently no buildings present on the Property. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

Sites with Historic Fill
Information presented in the site investigation report indicates that subsurface materials consist of historic fill material. As such, the property owner must comply with any conditions required by solid waste rules in ch. NR 500 Wis. Adm. Code rules series as long as any waste materials remain in place. Any future redevelopment of this property must take into account consideration of the presence of waste materials and will require the issuance of an exemption from the DNR to build on an abandoned landfill prior to the start of any construction. Please refer to the Development at Historic Fill Site or Licensed Landfill guidances for further information at http://dnr.wi.gov/topic/landfills/development.html.

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Doug Joseph at 715-839-1602.

Sincerely,

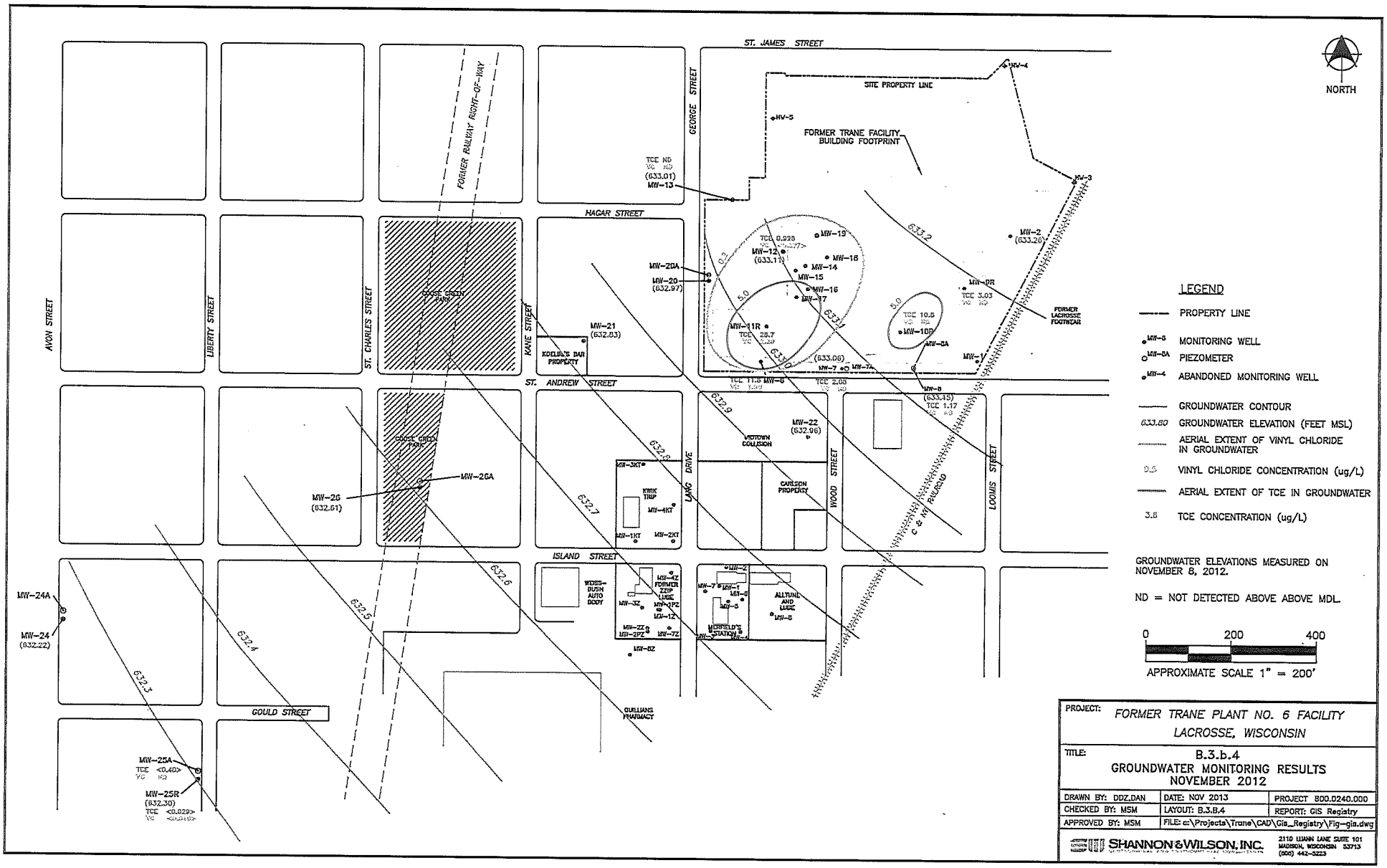
William Evans

William Evans, Team Supervisor
West Central Region Remediation & Redevelopment Program

Attachments:

- remaining groundwater contamination map – B.3.b.4
- remaining soil contamination map - B.2.c
- extent of cap map – B.2.c
- Barrier Maintenance Plan
- Barrier Inspection and Maintenance Log
- vapor intrusion map - B.4.a

c: Mark McColloch, Shannon & Wilson, 2110 Luann Lane, Suite 101, Madison, WI 53714
Bradley Tacheny, Trane Co., 3600 Pammel Creek Rd., La Crosse, WI 54601



PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.3.b.4 GROUNDWATER MONITORING RESULTS NOVEMBER 2012

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.3.B.4	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

SHANNON & WILSON, INC.
2110 LUANN LANE SUITE 101
MADISON, WISCONSIN 53713
(608) 442-3223

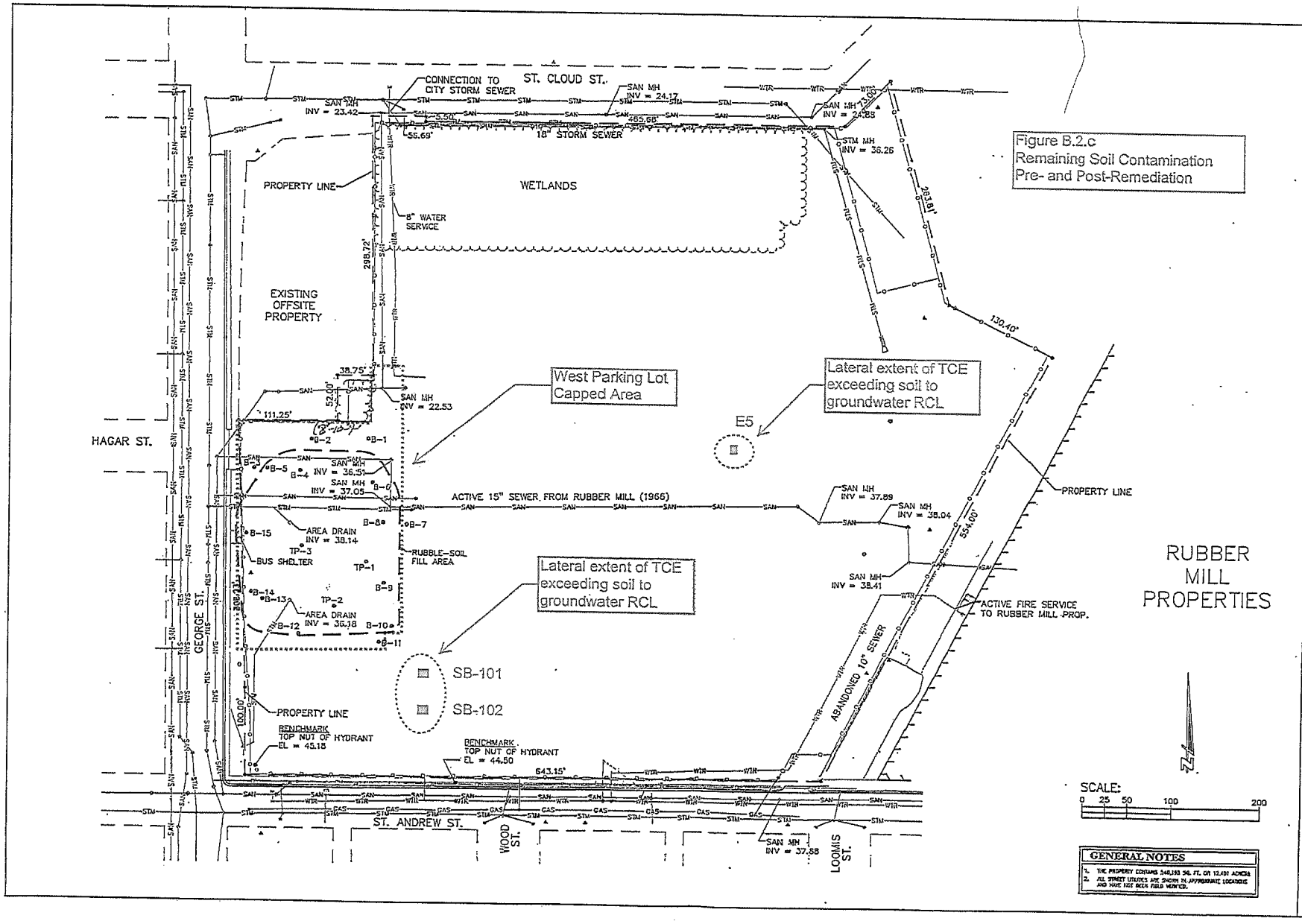


Figure B.2.c
Remaining Soil Contamination
Pre- and Post-Remediation

GENERAL NOTES

1. THE PROPERTY CONTAINS 548,193 SQ. FT. OR 12.587 ACRES
2. ALL STREET UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND HAVE NOT BEEN FIELD VERIFIED.

JOB NO.	L2294-005
BOOK NO.	--
DRAWN BY	JNM
CHECKED BY	SEM / MEE
DATE	MARCH 2010
REVISIONS	
REFERENCE FILE	L2294base.dwg
DRAWING FILE	L2294schematic.dwg

Cedar corporation
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Menomonie, Wisconsin 54751
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FAX 715-235-2337
www.cedarcorp.com
engineers architects planners environmental scientists
land surveyors construction managers

LIPCO - FORMER TRANE PLANT NO. 6 PROPERTY
606 GEORGE STREET
LA CROSSE, WISCONSIN
POST DEMOLITION SITE

SHEET NO. 1 OF 1

BARRIER MAINTENANCE PLAN

Date: April 25, 2013

Property Located at: 1305 St. Andrew Street, La Crosse, Wisconsin

WDNR File Number: 02-32-000195

Parcel ID: 17-10289-40
NW ¼, SE ¼, Section 29, Township 16 North, Range 7 West

Introduction

This document is the Maintenance Plan for maintaining the asphalt pavement at the west parking lot area at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing asphalt pavement that overlies historic fill material. More site-specific information about this property may be found in:

- The case file in the DNR West Central regional office in Eau Claire, Wisconsin;
- BRRTS on the Web (DNR's internet based data base of contaminated sites):http://**dnr.wi.gov/botw**/SetUpBasicSearchForm.do ;
- GIS Registry PDF file for further information on the nature and extent of contamination: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2; and
- The DNR project manager for La Crosse County.

Description of Contamination

Fill material consisting of fly ash that contains poly-aromatic hydrocarbons is present beneath the asphalt pavement at the west parking lot area. Groundwater contaminated by trichloroethene (TCE) and vinyl chloride is also present on-site. The former existing LIPCO / former Trane Plant 6 property and west parking lot area are shown on the attached figure.

Description of the Barrier to be maintained

The cap consists of the existing asphalt pavement for the west parking lot area. The lateral extent of fill material beneath the west parking lot is shown on the attached figure.

BARRIER MAINTENANCE PLAN

Purpose of Barrier

The existing asphalt pavement at the west parking lot area will serve as a barrier to prevent direct human contact with underlying fill material that might otherwise pose a threat to human health. This barrier will also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that could violate the groundwater quality standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The existing asphalt pavement overlying fill material at the west parking lot area (see attached figure) will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying fill material. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed, or where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Attachment B, Barrier Inspection and Maintenance Log.

The log will include recommendations for necessary repair of any areas where underlying soils are exposed or where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

BARRIER MAINTENANCE PLAN

In the event the existing asphalt pavement overlying the fill material is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the existing asphalt pavement, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting the Barrier

The following activities are prohibited on any portion of the property where the existing asphalt pavement is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources:

1) Removal of the existing barrier;
2) Replacement with another barrier;
3) Excavating or grading of the land surface;
4) Filling on capped or paved areas;
5) Plowing for agricultural cultivation; or
6) Construction or placement of a building or other structure.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Contact Information

January 2013

Site Owner and Operator:

La Crosse Industrial Park Corporation
712 Main Street
La Crosse, Wisconsin 54601
(608) 784-5488

Signature: _____

(DNR may request signature of affected property owners, on a case-by-case basis)

BARRIER MAINTENANCE PLAN

Consultant: Mark S. McColloch
Shannon & Wilson
2110 Luann Lane, Suite 101
(608) 442-5223

WDNR: Mr. Doug Joseph
1300 West Clairemont Avenue
(715) 839-1602

Attachment A Figures

Sheet 1 of 1 LIPCO Former Trane Plant 6 Property

Attachment B Barrier Inspection and Maintenance Log

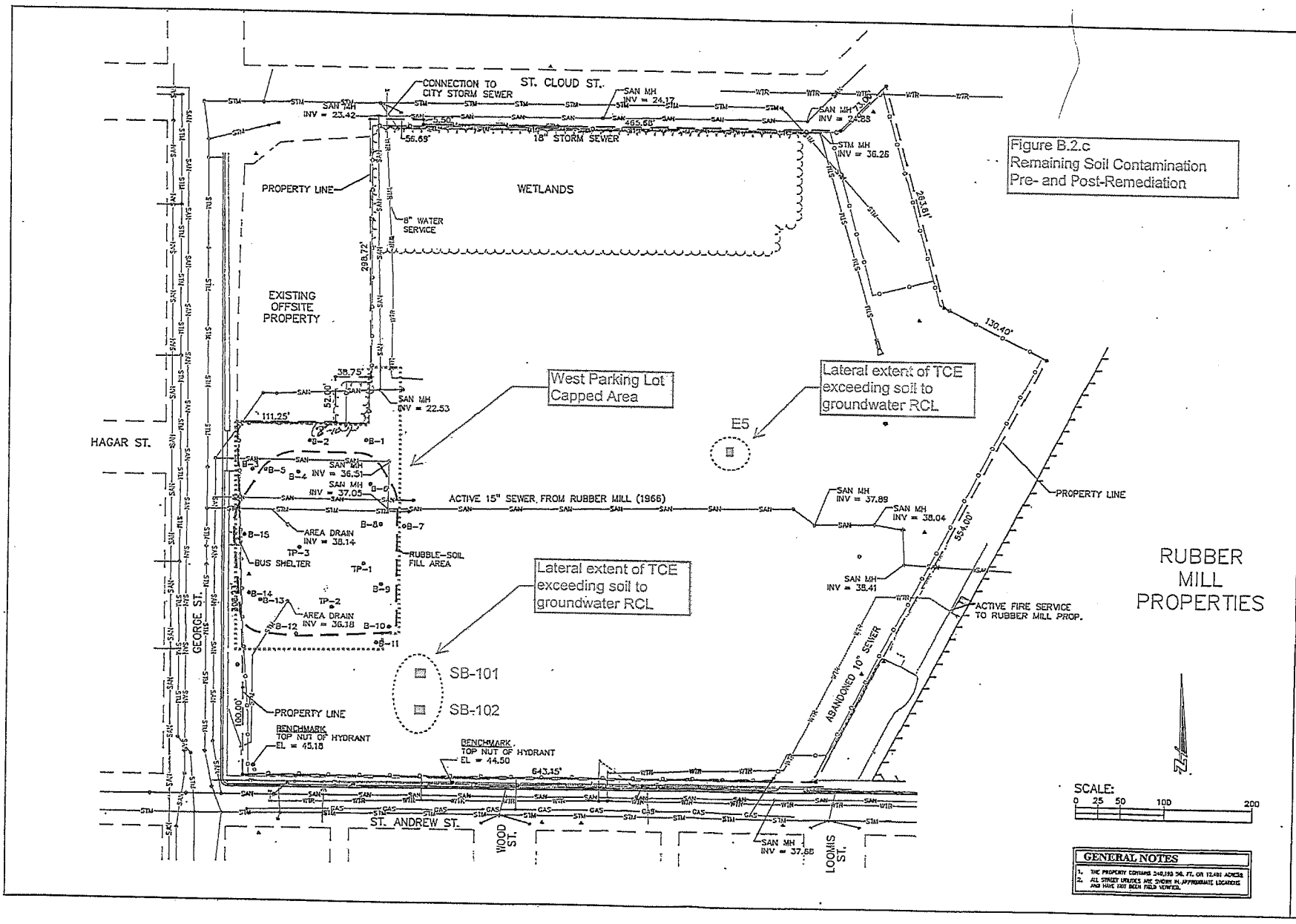


Figure B.2.c
Remaining Soil Contamination
Pre- and Post-Remediation

JOB NO. L2294-005
BOOK NO. –
DRAWN BY JNM
CHECKED BY SDM / MEE
DATE MARCH 2010
REVISIONS
REFERENCE FILE L2294base.dwg
DRAWING FILE L2294schematic.dwg

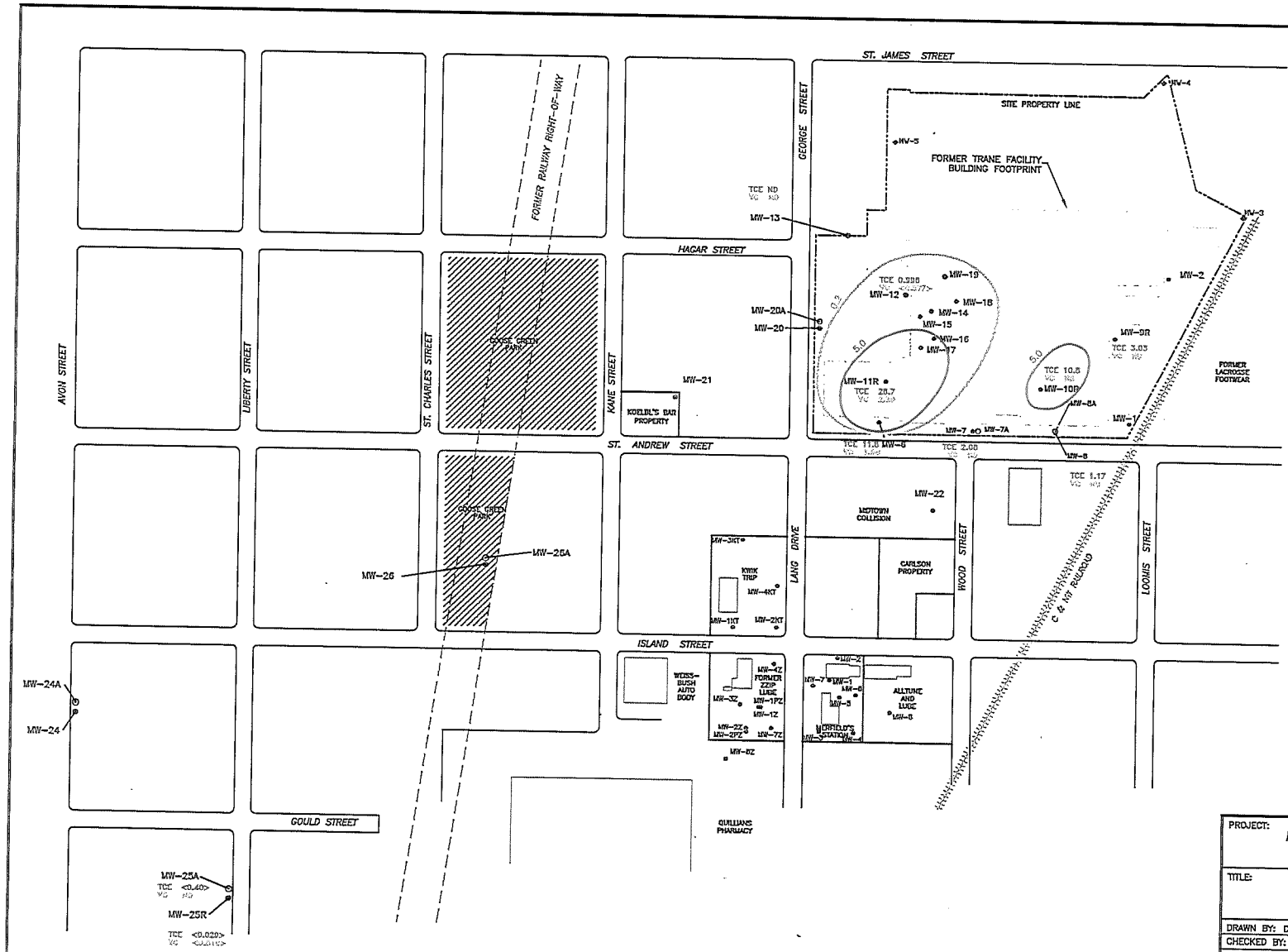
Cedar corporation
604 Wisconsin Avenue, Monroe, Wisconsin 54751
715-235-4481 800-472-2777 FAX 715-235-2727 www.cedarcorp.com
Engineers, architects, planners, environmental scientists, field surveyors, landscape architects, construction managers

LIPCO - FORMER TRANE PLANT NO. 6 PROPERTY
606 GEORGE STREET
LA CROSSE, WISCONSIN
POST DEMOLITION SITE

SHEET NO. 1 OF 1

BARRIER INSPECTION AND MAINTENANCE LOG

Inspection Date	Inspector	Condition of Cap	Recommendations	Has recommended maintenance from previous inspection been implemented?



PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.4.a POTENTIAL VAPOR INTRUSION MAP

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.4.A	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

SHANNON & WILSON, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
2110 LUANN LANE SUITE 101
MADISON, WISCONSIN 53713
(608) 442-3223

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
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April 5, 2013

Mr. David Sordi
Ingersoll-Rand
1 Centennial Ave.
Piscataway, NJ 08855

Subject: Conditional Closure Decision - With Requirements to Achieve Final Closure
Former Trane Company Plant #6, Located at 606 George Street/1319 St. Andrew Street (f/k/a 1305 St. Andrew Street) La Crosse, Wisconsin
WDNR BRRTS Activity # 02-32-000195 & 07-32-547753

Dear Mr. Sordi:

On April 4, 2013, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The West Central Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the hydraulic oil and chlorinated solvent contamination on the site from over fifty years of metal fabrication operations appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells, soil vapor extraction system wells and any other remediation system wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-005, found at http://dnr.wi.gov/topic/DrinkingWater/documents/forms/3300005.pdf or provided by the Department of Natural Resources.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations. The asphalt cap over the historic fill area adjacent to George Street must be maintained to address the direct contact pathway. In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspections will be required to be kept on site.

In addition, future development of the property will require that any new buildings be constructed with sub-slab vapor mitigation systems beneath their foundations.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-839-1602.

Sincerely,

Doug Joseph
Hydrogeologist
Remediation & Redevelopment Program

c: Mark McColloch, Shannon & Wilson, 2110 Luann Lane, Suite 101, Madison, WI 53714
Steve Thinnes, Trane Co., 3600 Pammel Creek Rd., La Crosse, WI 54601
Jim Hill, La Crosse Industrial Park Corporation, 712 Main St., La Crosse, WI 54601

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Case Closure - GIS Registry

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Site Information

BRRTS No. 02-32-000195	Parcel ID No. 17-10289-40		
BRRTS Activity (Site) Name Former Trane Plant 6 Site	WTM Coordinates X 420494	Y 374217	
Street Address 1319 St. Andrew Street	City La Crosse	State WI	ZIP Code 54603
Responsible Party (RP) Name Trane - La Crosse (Attn:Bradley Tacheny)			
Company Name Ingersoll Rand /Trane - La Crosse Operations			
Street Address 3600 Pammel Creek Road	City La Crosse	State WI	ZIP Code 54601
Phone Number (608) 787-2015	Email		

☐ Check here if the RP is the owner of the source property.

Environmental Consultant Name Mark McColloch, P.G.			
Consulting Firm Shannon & Wilson			
Street Address 2110 Luann Lane, Suite 101	City Madison	State WI	ZIP Code 53714
Phone Number (608) 442-4223	Email msm@shanwil.com		
Acres Ready For Use 12.4	Voluntary Party Liability Exemption Site? ○ Yes ◉ No		

Fees and Mailing of Closure Request

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR regional Environmental Program Associate at **http://dnr.wi.gov/topic/Brownfields/Contact.html**. Check all fees that apply:

   ☒ $750 Closure Fee

   ☒ $200 GIS Registry Fee for Soil

   ☒ $250 GIS Registry Fee for Groundwater Lost Well(s)

   Total Amount of Payment $ $1,450.00

2. **Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see **http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.**

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

A. **Site Location**: Describe the physical location of the site, both generally and specific to its immediate surroundings.
East of George Street, north of St. Andrew Street, and south of St. Cloud Street, La Crosse, Wisconsin

B. **Prior and current site usage**: Specifically describe the current and historic occupancy and types of use.
Low lying poorly drained area prior to 1921. La Crosse Footwear constructed a building at the southeast corner of the property in 1921 and used the building as a bus barn until it was sold to Trane in 1947. Trane expanded that building west and north and used the property as a manufacturing facility (Plant 6) between 1947 and 2001. The property was purchased from Trane by LIPCO in May 1997 and building leased to Trane (for manufacturing) and La Crosse Footwear(as warehouse space). Trane's manufacturing operations were discontinued in December 2001 and La Crosse Footwear expanded its warehouse space into areas previously leased by Trane. The building was demolished in 2010; the property is currently vacant.

C. Describe how and when site contamination was discovered.
UST removal in May 1990, VOCs discovered during Phase 2 completed in 1993.
Hydraulic oil release was discovered in October 1995.

D. Describe the type(s) and source(s) or suspected source(s) of contamination.
TCE contamination beneath south end of former building and at former east side loading dock area.
Hydraulic contamination beneath equipment removed from west side of the former building.

E. Other relevant site description information (or enter Not Applicable).
Historic fill material consisting of boiler slag and cinder is present beneath existing asphalt pavement at west parking lot area.

F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.
02-32-00195 ERP - Open, 07-32-547753 General Property, 03-32-000317 LUST- Closed, and 09-32-296951 (MethanolTank) No Action Required.

G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.
Adjacent parcel to the east: 02-32-000278 La Crosse Footwear Process Oil (ERP- Closed), 03-32-001269 La Crosse Footwear Naphtha (LUST Closed), 03-32-001197 La Crosse Footwear #2 Fuel Oil (LUST - Closed), 02-32-278838 Tarkman Associates Inc, (ERP - Closed), and 07-32-278848 Tarkman Associates Inc. (General Property).

H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
Planned Development (PD)

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Alluvial deposits consisting of fine to medium grained poorly graded sand to the limits of investigation (45 feet below grade).

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Several feet of fill material consisting of boiler slag and cinder is present beneath existing asphalt pavement at west parking lot area.

iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.
Not encountered during investigation.

iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
Asphalt covered parking lot west and north of former Plant 6 building, and asphalt driveway east of the former building. Former building footprint is graded level with sandy soil cover. There is an undeveloped wooded area north of the north parking lot.

B. Groundwater

i. **Discuss depth to groundwater and piezometric elevations.** Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Shallow groundwater encountered in alluvial sand. The water table fluctuates seasonally between 8 and 12 feet below grade.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Groundwater flow in the vicinity of the former Plant 6 facility in May and November 2012 is to the southwest. Since 1999, groundwater elevations have fluctuated between 631.5 and 637.5 feet above mean sea level. May 2011 elevations represent the historic high, and November 2003 elevations represent the historic low during this time period.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

Based on a hydraulic conductivity of 4 x 10-2 cm/sec (1.31 x 10-3 ft/sec) from slug test data obtained during the site investigation , a porosity of 30-percent, and a vertical gradient of 0.0004 feet/feet, the average liner groundwater flow velocity is 0.15 feet per day, or approximately 55 feet per year.

iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

There are no potable or municipal wells within 1,200 feet of the site.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

Several phases of investigation were completed in the vicinity of the former Plant 6 facility following a Phase II Environmental Site Assessment completed in 1993. These investigations included a soil gas survey and the collection of groundwater samples from Geoprobe borings advanced around the perimeter of the Plant 6 facility building. Investigation results were presented in the report Continued Site Investigation Results and Evaluation of Remedial Alternatives dated September 7, 1994.

Site investigation results identified potential on-site source areas for TCE beneath the southern portion of the building. As an interim response, a soil vapor extraction (SVE) system was operated between January 1995 and November 1999. In May 1997, additional groundwater samples were collected from Geoprobe borings advanced in the west parking lot area, off-site area south of St. Andrew Street, and the east parking lot area. Low levels of VOCs were detected in off-site groundwater samples collected south of the former Plant 6 facility. In response to these sample results, four additional monitoring wells (MW-20, MW-20A, MW-21, and MW-22) were installed in November 1999 to further characterize a down gradient groundwater contamination; results were presented in the February 16, 2000 status report.

Additional groundwater samples were collected from off-site Geoprobe borings in November 2000 and December 2001. Results of both down gradient site investigations were included in the February 2002 Status Report. Off-site down gradient wells (MW-24/MW-24A, MW-25/MW-25A, and MW-26/MW-26A) were subsequently installed to monitor the off-site plume; declining concentrations observed between 2003 and 2012 were presented in annual reports.

ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.

Trane collected groundwater samples from existing monitoring wells located at the Kwik Trip property (southwest of the plant at Lang and Island Street) between November 1997 and November 1998 to further identify the down gradient extent of contamination. TCE was detected in samples collected at these these wells. TCE was also detected in samples collected from wells located on the Zzip Lube and Merfeld's Service Station properties located south and southeast, respectively, from the Kwik Trip property. Wells at the Kwik Trip and Merfeld site were abandoned by the property owners after obtaining case closure for these LUST sites.

Trane took ownership of wells located on the Zzip Lube property after that site was conditionally closed and collected samples from these wells between August 2001 and November 2004. Wells on the Zzip Lube property were abandoned in March 2005 after TCE concentrations declined below the ES.

iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

Hydraulic oil contaminated soil underlies a section of a sanitary sewer line that crosses the property. Additionally, asphalt pavement at the west parking lot area serves as a barrier to underlying historic fill material consisting of of boiler slag and cinder

B. Soil

i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.

Soil contaminated with hydraulic oil was excavated from five areas in November 2010. These areas included contaminated soil used as backfill for a concrete vault, and soil beneath the former R & B line; stained soil was discovered at these areas during building demolition. Contaminated soil was also excavated from the previously investigated Bay N18/N19, former Xcello line, and former Sunstrand line areas. Excavation de-watering was completed at the former Xcello line because contaminated soil was excavated to an approximate depth of 14 feet beneath the former plant floor to remove smear zone contaminated soil. All excavations were backfilled to grade with clean fill from off-site sources. Soil excavation activities are described in detail in the February 2011 Construction Documentation Report.

The February 2011 Construction Documentation Report included a recommendation for investigation and excavation of soil contaminated with VOCs, primarily TCE near the former east loading dock area. In addition to VOC soil contamination, stained soil with a strong petroleum odor was encountered at the north of the east loading dock area during a March 2011 investigation. Consequently, soil samples were also analyzed for diesel range organics (DRO) to further characterize this petroleum contamination. The lateral extent of soil contamination at the former east loading dock area was identified during the March 2011 investigation; results were presented in a Status Report dated May 23, 2011 along with recommendations for contaminated soil excavation. Contamination soil at this area was subsequently excavated between May 31 and June 3, 2011. Excavation activities were described in detail in the July 2011 Construction Documentation Report.

ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.

Contaminated was removed to depths greater than four feet in November 2010 and June 2011.
Historic fill material consisting of of boiler slag and cinder remains beneath the west parking lot area.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL) , a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

Site specific clean up standards for soil were not used for this site.

C. Groundwater

i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

In 2012 TCE and/or vinyl chloride was detected above the ES at on-site wells MW-6, MW-9R, MW-10R, MW-11R, and MW-12. Concentration declined following operation of the SVE system and removal of TCE contaminated soil. Because there are no on-site building or nearby water supply wells, there are no potential receptors for contaminated groundwater.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations.

Contamination soil was removed from beneath the former Xcello and Sunstrand line equipment. Free product was previously encountered at these areas. Because soil was removed from below the water table, no free-product remains on-site.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

Because no on-site buildings remain, a vapor intrusion assessment was not completed.

ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

Not applicable.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

No surface water or sediment contamination is present at this site.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

No surface water or sediment contamination is present at this site.

4. Remedial Actions Implemented and Residual Levels at Closure

A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

Approximately 3,960 cubic yards (5,782.64 tons) of soil contaminated with hydraulic oil was excavated from five areas in November 2010. These areas included contaminated soil used as backfill for a concrete vault, and soil beneath the former R & B line; stained soil was discovered at these areas during building demolition. Contaminated soil was also excavated from the previously investigated Bay N18/N19, former Xcello line, and former Sunstrand line areas. Excavation de-watering was completed at the former Xcello line because contaminated soil was excavated to an approximate depth of 14 feet beneath the former plant floor to remove smear zone contaminated soil. All excavations were backfilled to grade with clean fill from off-site sources. Soil excavation activities are described in detail in the February 2011 Construction Documentation Report.

An additional 1,390 cubic yards (1,946 tons) of soil contaminated with VOCs, primarily TCE, and DRO was excavated near the former east loading dock area between May 31 and June 3, 2011. These activities were described in detail in the July 2011 Construction Documentation Report.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

As an interim response, a soil vapor extraction (SVE) system was installed at the Plant 6 facility in November 1994, and began operating in 1995. Between January 1995 and November 1999, approximately 189 pounds of VOCs were removed by the SVE system. SVE and groundwater monitoring results were presented in annual reports.

Beginning in 1996 a pneumatic pump, a belt skimmer, and passive free-phase hydrocarbon collectors and absorbent socks were used to collect hydraulic oil from the remediation wells. A vacuum truck was also used as needed to remove fluids between 2003 and 2009. Between February 1996 and November 2009 approximately 11,969 gallons of fluid (hydraulic oil and water) were removed from these wells. This total includes approximately 2,000 gallons of free-phase hydraulic oil. Fluid level measurements and volume of oil recovered were reported in annual reports.

C. Describe the *active* remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

See items A and B above.

D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

Although VOC concentrations declined significantly following operation of the SVE system and removal of TCE contaminated soil, in 2012 TCE and/or vinyl chloride was detected above the ES at on-site wells MW-6, MW-9R, MW-10R, MW-11R, and MW-12.

Declining VOC concentrations and the presence of degradation products in groundwater samples collected from down gradient wells indicates that TCE concentrations are declining with distance from the source area in response natural attenuation. TCE has not exceeded the ES in any off-site wells since May 2005, and vinyl chloride has not exceeded the ES in any off-site wells since November 2011.

E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.

All known contaminated soil within four feet of ground surface was removed by excavation.

F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

No soil contamination exceeding soil standards for the groundwater pathway remain in the vadose zone.

G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

Historic fill material consisting of boiler slag and cinder is present beneath existing asphalt pavement at west parking lot area.

H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume).

VOC concentration declined following operation of the SVE system and removal of VOC contaminated soil indicating that the groundwater plume has receded.

I. Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.

All known contaminated soil within four feet of ground surface was removed by excavation. Soil excavation included removal of contaminated soil below the water table where free-phase hydrocarbon was encountered; no free phase hydrocarbon remains. Although TCE and vinyl chloride remain above the ES at several on-site wells, historic groundwater monitoring results indicate that concentrations are declining and that the plume is receding.

J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

No system hardware will be left in place.

K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

In 2012 TCE was detected above the ES at on-site wells MW-6, MW-9R, MW-10R, and MW-11R, and the PAL at MW-7, MW-8, MW-12. Vinyl chloride was detected above the ES at on-site wells MW-6, MW-11R, and MW-12. TCE and vinyl chloride also exceeded the PAL at off-site well MW-25A. TCE has not exceeded the ES in any off-site wells since May 2005, and vinyl chloride has not exceeded the ES in any off-site wells since November 2011.

L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

Because there are no on-site buildings, a vapor intrusion investigation was not completed.

M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

No surface water or sediment contamination is present at the site.

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: Maintenance Plans and GIS Registry	Maintenance Plan (s) Required in Attachment D	GIS Registry Listing
	A. On-Site	B. Off-Site			
i.	☒	☐	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	☐	☐	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	☐	☐	Vapor Mitigation - post closure passive system	✓	✓
iv.	☐	☐	Vapor Mitigation - post closure active system	✓	✓
v.	☐	☒	None of the above scenarios apply to this case closure	NA	NA

6. **Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.**

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: GIS Registry Only	GIS Registry Listing
	A. On-Site	B. Off-Site		
i.	☒	☐	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	☒	☐	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	☐	☐	Monitoring wells: lost, transferred or remaining in use	✓
iv.	☐	☐	Structural Impediment (not as a performance standard)	✓
v.	☐	☐	Residual soil contamination remaining at ch. NR 720 Industrial Use levels	✓
vi.	☒	☐	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	☐	☒	None of the above scenarios apply to this case closure	NA

7. **Underground Storage Tanks**

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ○ Yes ◉ No

B. Do any upgraded tanks meeting the requirements of ch. SPS 310, Wis. Adm. Code, exist on the property? ○ Yes ◉ No

C. If the answer to question 7b is yes, is the leak detection system currently being monitored? ○ Yes ○ No

Data Tables (Attachment A)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use **bold font** for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.

A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates - prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).

A.5. **Vapor Analytical Table**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample

results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.6. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.

A.7. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.8. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.1.c. **RR Site Map:** From RR Sites Map (http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

B.2.a. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.2.b. **Post-remedial Soil Contamination :** Figure(s) showing the sample location of all post-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.2.c. **Pre/Post Remaining Soil Contamination:** Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and direction of groundwater flow based on the most recent sampling data.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been previously abandoned.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway, in relation to remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

B.4.b. **Other media of concern (e.g., sediment or surface water**): Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been previously submitted.

C.2. **Investigative waste** disposal documentation.

C.3. **NR 720.19 analysis**, assumptions and calculations for site specific RCLs (SSRCLs) , with justification, including EPA Soil Screening Level Model Calculations and results.

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment upon receiving conditional closure.

C.6. **Photos.** For sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.

C.7. **Other**. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

D.1. **Location map(s)** which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.

D.2. **Brief descriptions** of the type, depth and location of residual contamination.

D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter.

D.5. **Contact information,** including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B: http://dnr.wi.gov/org/water/dwg/gw/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

○ No monitoring wells were required as part of this response action.

◉ All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site

○ ***Select One or More:***

☐ Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.

☐ One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s) the well(s) will remain in use.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- A model "template letter" for these mandatory notifications can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.	☒	☐	☐	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	☐	☐	☐	Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.	☒	☐	☐	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	☐	☐	☐	Industrial land use soil standards were used for the clean-up standard.
5.	☐	☐	☐	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	☒	☐	☐	Vapor assessment needed if use changes.
7.	☐	☐	☐	Structural impediment.
8.	☐	☐	☐	Lost, transferred or open monitoring wells.
9.	☐	☒	☒	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, __1__ (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

G.1. **Deeds - Source Property and Other Impacted Properties:** The most recent deed with legal descriptions clearly labeled for (1) the **Source Property** (where the contamination originated) and (2) all **off-source** (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.

Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

G.2. ***Certified Survey Map:*** *A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (Lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

G.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

G.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct signature block below for this case closure request, and have the proper environmental professional(s) sign this document, in accordance with the ch. NR 700 Wis. Adm. Code rule series. Both boxes may be checked if applicable to this case closure.

☒ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies). In this situation, the closure request must be prepared by, or under the supervision of, a professional engineer and a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code. Include both signatures provided below with the submittal.

☐ The response action(s) for this site addresses media other than groundwater. In this situation, the case closure request must be prepared by, or under the supervision of, a professional engineer, as defined in ch. NR 712, Wis. Adm. Code. The "engineering certification" language below, at a minimum, must be signed.

Engineering Certification

I David P. Trainor hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to obtain data, develop conclusions, recommendations and prepare submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

David P. Trainor	Project Coordinator	
Printed Name	Title	
David P. Trainor	2/4/2013	WISCONSIN DAVID P. TRAINOR E-22440 MADISON, WI PROFESSIONAL ENGINEER
Signature	Date	P.E. Stamp and Number

Hydrogeologist Certification

I Mark S. McColloch hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to address groundwater contamination including obtaining data, developing conclusions, recommendations and preparing submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Mark S. McColloch	Project Manager	
Printed Name	Title	
Mark S. McColloch	2/4/2013	WISCONSIN MARK S. McCOLLOCH G-216 MADISON, WI PROFESSIONAL GEOLOGIST
Signature	Date	

Table A.1.a. (Page 1 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
Trichloroethene	***PAL 0.5 µg/l, ES 5.0 µg/l***															
8/94	--	--	*3.9*	**84**	**10**	**150**	--	--	--	--	--	--	--	--	--	--
1/95	*1.5*	ND	*4.6*	**78**	**11**	**68**	*2.8*	**130**	**270**	**28**	*1.6*	ND	--	--	--	--
4/95	0.21	ND	*3.4*	**85**	*3.7*	**140**	*2.3*	**35**	**160**	**22**	0.25	0.034	--	--	--	--
8/95	--	--	*1.0*	**62**	--	**83**	--	**19**	**180**	**18**	*0.91*	--	--	--	--	--
11/95	--	--	*0.68*	**18**	--	**78**	--	**6.7**	**85**	**31**	0.34	--	--	--	--	--
2/96	*0.59*	ND	*1.6*	**19**	*3.6*	**37**	**8.0**	**6.9**	**86**	**14**	0.46	*1.2*	--	--	--	--
5/96	0.38	ND	*2.5*	**19**	*3.5*	**54**	**34**	**35**	**39**	**10**	*1.0*	0.033	--	--	--	--
8/96	--	--	*1.7*	**17**	--	**290**	--	**16**	**100**	**13**	*1.7*	--	--	--	--	--
11/96	--	--	<0.36>	**13**	*2.9*	**270**	**7.1**	**3.5**	**50**	*4.1*	0.48	--	--	--	--	--
2/97	0.49	ND	*0.56*	**15**	*2.5*	**160**	3.4	**6.3**	**37**	--	<0.18>	--	<0.18>	--	--	--
5/97	0.32	ND	*2.2*	*4.3*	*2.6*	**97**	**5.2**	1.9	**25**	*0.80*	ND	<0.17>	*1.3*	*2.2*	--	--
11/97	*0.53*	ND	*1.2*	*4.4*	*2.6*	**38**	**13**	**5.0**	**28**	*2.3*	*0.74*	ND	0.43	*1.0*	--	--
5/98	*0.54*	ND	*3.1*	*4.6*	*2.7*	**45**	**15**	**6.6**	**10**	*1.5*	ND	ND	*0.77*	*1.3*	--	--
11/98	*0.55*	ND	*1.3*	*2.5*	**5.1**	**21**	*2.4*	*3.5*	**14**	*4.8*	ND	ND	<0.32>	*1.8*	--	--
5/99	<0.14>	ND	*1.2*	*2.1*	*3.7*	**9.5**	*1.2*	*2.3*	**10**	**46**	ND	ND	<0.38>	*1.8*	--	--
11/99	<0.26>	ND	*0.53*	*1.8*	*3.0*	**6.1**	*1.5*	*1.1*	*4.6*	**7.3**	ND	ND	<0.17>	*0.57*	*0.76*	*1.1*
5/00	<0.21>	ND	*0.58*	*1.6*	*1.6*	**8.1**	*1.5*	*1.8*	**89**	*3.6*	<0.38>	ND	ND	<0.37>	*1.3*	*0.95*
11/00	<0.29>	ND	<0.39>	*1.3*	*0.59*	**9.8**	*1.2*	*2.0*	*4.4*	**5.6**	*0.59*	ND	ND	<0.44>	*1.3*	*0.97*
8/02	*1.1*	ND	*0.95*	*1.6*	<0.22>	*2.7*	<0.38>	**13**	**19**	*1.9*	*0.71*	ND	<0.26>	0.42	ND	<0.38>
2/03	--	--	<0.38>	*1.3*	<0.34>	*2.6*	<0.44>	*1.1*	**6.4**	*1.5*	*<0.69>*	--	--	--	<0.28>	ND
5/03	--	ND	*<0.51>*	*1.4*	<0.35>	*1.7*	*<0.71>*	**12**	**11**	ND	ND	0.41	--	<0.31>	<0.34>	<0.37>
8/03	--	--	ND	*2.0*	ND	*1.8*	*1.7*	*1.8*	*4.6*	*2.4*	*0.95*	--	--	--	<0.23>	<0.31>
11/03	--	ND	ND	*1.2*	*0.99*	*2.4*	*<0.55>*	*<0.58>*	**6.5**	*0.81*	<0.37>	ND	ND	ND	<0.19>	<0.39>
5/04	--	ND	*0.87*	*1.4*	*<0.71>*	*1.6*	*<0.58>*	*<0.58>*	**12**	ND	ND	ND	--	ND	ND	<0.21>
11/04	--	ND	*<0.63>*	*2.1*	*<0.65>*	*2.5*	<0.48>	*2.1*	**17**	*1.1*	<0.46>	<0.21>	--	<0.28>	ND	<0.31>
5/05	--	ND	*3.6*	*4.5*	*<0.57>*	*4.5*	<0.83>	**6.9**	**44**	<0.27>	ND	*0.71*	ND	ND	ND	*0.77*
11/05	--	ND	0.48	*3.7*	*1.5*	*3.1*	*0.58*	*4.0*	**28**	ND	*0.54*	ND	ND	<0.34>	ND	*0.50*
05/06	--	ND	*1.8*	**7.3**	*1.4*	**5.7**	*<0.61>*	**20**	**40**	<0.29>	ND	ND	ND	<0.43>	ND	*<0.56>*
11/06	--	ND	<0.25>	**6.8**	*0.97*	**6.1**	*<0.58>*	*1.3*	**58**	*1.1*	*<0.59>*	ND	ND	<0.33>	<0.21>	<0.39>
05/07	--	--	*<1.4>*	**8.5**	*0.50*	*2.5*	<0.22>	**9.0**	**59**	*0.73*	<0.38>	ND	ND	<0.24>	ND	ND
11/07	--	--	--	**18**	--	*2.9*	--	**16**	**68**	*0.55*	<0.24>	ND	ND	<0.25>	ND	<0.41>
05/08	--	--	*1.7*	**8.0**	*<0.52>*	**11**	*<1.2>*	*2.9*	**35**	ND	ND	ND	ND	ND	ND	*<0.66>*
11/08	--	--	--	**18**	--	**16**	--	*2.3*	**52**	*0.55*	ND	ND	ND	<0.33>	<0.22>	<0.29>
05/09	--	--	*1.7*	**5.6**	ND	**11**	<0.42>	**9.5**	**32**	ND	ND	*<0.59>*	ND	ND	ND	ND
11/09	--	--	--	**6.3**	--	**9.8**	--	**5.9**	**24**	<0.27>	ND	<0.32>	ND	<0.19>	<0.25>	ND
05/10	--	--	*3.3*	*4.1*	<0.30>	**5.4**	*0.74*	**14**	**21**	*<0.52>*	<0.33>	<0.28>	ND	<0.20>	ND	<0.43>
11/10	--	--	*2.8*	--	--	*3.5*	--	**26**	**17**	**16**	*0.59*	ND	--	--	ND	<0.34>
05/11	--	--	*2.1*	*1.5*	<0.41>	*0.70*	*0.90*	**23**	*2.2*	**28**	*0.70*	<0.24>	--	--	ND	<0.48>
11/11	--	--	*3.9*	*2.2*	*0.55*	*0.51*	*0.89*	*4.4*	**18**	**20**	*0.94*	<0.39>	--	--	ND	<0.40>
05/12	--	--	*4.5*	*4.9*	--	*<0.68>*	--	**5.5**	**7.6**	**20**	*1.3*	<0.27>	--	--	--	--
11/12	--	--	**11.8**	*2.08*	--	*1.17*	--	*3.03*	**10.8**	**28.7**	*0.966*	ND	--	--	--	--

All concentrations reported in µg/l unless otherwise noted. Concentrations exceeding the ES are in bold font. Concentrations exceeding the PAL are in italics.

ND Not detected above Method Detection Limit. < > Detected above Method Detection Limit, but below Limit of Quatitation .-- No sample collected

Table A.1.a. (Page 2 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
Vinyl Chloride PAL 0.02 µg/l, ES 0.2 µg/l																
8/94	--	--	**4.8**	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
1/95	ND	ND	**1.4**	ND	ND	ND	ND	ND	ND	**7.2**	**18**	*0.13*	--	--	--	--
4/95	ND	ND	**6.8**	ND	ND	ND	ND	ND	ND	**7.8**	**65**	**0.36**	--	--	--	--
8/95	--	--	**12**	ND	--	ND	--	ND	ND	**7.8**	**47**	--	--	--	--	--
11/95	--	--	**14**	ND	--	ND	--	ND	ND	**49**	**20**	--	--	--	--	--
2/96	ND	ND	**0.30**	ND	ND	ND	ND	ND	ND	**26**	**17**	*0.18*	--	--	--	--
5/96	ND	ND	**1.6**	ND	ND	ND	ND	ND	ND	**8.9**	**38**	ND	--	--	--	--
8/96	--	--	**4.7**	*0.11*	--	ND	--	ND	ND	**23**	**15**	--	--	--	--	--
11/96	--	--	**2.3**	ND	ND	ND	ND	ND	ND	**5.0**	**5.5**	--	--	--	--	--
2/97	ND	ND	**3**	ND	ND	ND	ND	ND	ND	--	**17**	--	**7.4**	--	--	--
5/97	ND	ND	**1.1**	ND	ND	ND	ND	ND	ND	**0.99**	*0.18*	**42**	**7.2**	**4.5**	--	--
11/97	ND	ND	**3.8**	ND	ND	ND	ND	ND	ND	**0.85**	**18**	*0.18*	**3.2**	**17**	--	--
5/98	ND	ND	**<0.31>**	ND	ND	ND	ND	ND	ND	**1.5**	**45**	ND	**2.4**	**12**	--	--
11/98	ND	ND	**2.4**	ND	ND	ND	ND	ND	ND	**3.9**	**45**	ND	**3.7**	**14**	--	--
5/99	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND	**17**	**46**	ND	**2.3**	**35**	--	--
11/99	ND	ND	**0.69**	ND	**<0.23>**	ND	ND	ND	ND	**0.88**	**17**	**<0.32>**	**0.66**	**17**	**19**	**21**
5/00	ND	ND	**<0.42>**	ND	ND	ND	ND	ND	ND	**0.58**	**6.8**	*<0.14*	**2.7**	**19**	**5.8**	**13**
11/00	ND	ND	**1.2**	ND	ND	ND	ND	ND	ND	**<0.50>**	**6.4**	ND	**<1.1>**	**13**	**4.6**	**6.2**
8/02	ND	ND	**0.98**	ND	ND	ND	ND	ND	ND	**3.8**	**1.9**	**4.3**	**<0.46>**	**4.5**	ND	ND
2/03	--	--	**<0.57>**	ND	ND	ND	ND	ND	ND	**<0.65>**	**1.4**	--	--	--	**<0.28>**	ND
5/03	--	ND	**1.3**	ND	ND	ND	ND	ND	ND	ND	**2.4**	**2.1**	--	**1.1**	**<0.28>**	**<0.64>**
8/03	--	--	**0.88**	ND	ND	ND	ND	ND	ND	**0.83**	**1.5**	**2.1**	--	--	ND	**0.49**
11/03	--	ND	ND	ND	ND	ND	ND	ND	ND	**1.0**	**1.9**	**4.4**	**1.6**	**6.6**	**0.48**	**0.65**
5/04	--	ND	**0.84**	ND	ND	ND	ND	ND	ND	ND	**1.7**	**2.2**	--	**1.6**	ND	ND
11/04	--	ND	**1.5**	*<0.16>*	ND	ND	ND	ND	ND	**<0.51>**	**1.1**	**3.0**	--	**3.7**	ND	ND
5/05	--	ND	ND	ND	ND	ND	ND	ND	ND	**<0.36>**	**0.75**	**2.1**	**1.1**	**1.2**	ND	**<0.49>**
11/05	--	ND	**<0.59>**	ND	ND	ND	ND	ND	ND	**5.0**	**0.73**	**1.0**	**1.6**	**1.5**	ND	**<0.28>**
05/06	--	ND	**<0.24>**	ND	ND	ND	ND	ND	ND	**<0.41>**	**1.2**	**0.71**	**1.7**	**0.99**	ND	*<0.17>*
11/06	--	ND	**1.6**	ND	ND	ND	ND	ND	ND	**1.7**	**0.86**	**<0.31>**	**<0.83>**	**2.9**	<0.30>	**<0.29>**
05/07	--	--	ND	ND	ND	ND	ND	ND	ND	**3.3**	**0.89**	**1.3**	**<0.50>**	**1.5**	ND	ND
11/07	--	--	--	ND	--	ND	--	ND	ND	**4.5**	**0.71**	ND	**1.1**	**0.99**	ND	**<0.43>**
05/08	--	--	ND	ND	ND	ND	ND	ND	ND	**0.92**	**0.82**	**0.78**	**0.76**	**0.68**	ND	ND
11/08	--	--	--	ND	--	ND	--	ND	ND	**1.7**	**0.47**	*<0.17>*	**1.2**	**1.9**	ND	**<0.21>**
05/09	--	--	**1.2**	ND	ND	ND	ND	ND	ND	ND	**<0.44>**	**5.0**	**0.95**	**0.80**	ND	ND
11/09	--	--	--	ND	--	ND	--	ND	ND	**<0.48>**	**<0.56>**	**1.3**	**1.3**	**0.54**	ND	*<0.18>*
05/10	--	--	**1.0**	ND	ND	ND	ND	ND	ND	**<0.43>**	**<0.33>**	**2.2**	**<0.23>**	**<0.24>**	ND	ND
11/10	--	--	**<0.35>**	--	--	ND	--	ND	ND	**<0.35>**	**<0.39>**	**<0.58>**	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	**<0.22>**	**<0.39>**	--	--	ND	ND
11/11	--	--	**1.5**	ND	ND	ND	ND	ND	ND	**3.2**	**<0.39>**	**<0.45>**	--	--	ND	ND
05/12	--	--	**<0.34>**	ND	--	ND	--	ND	ND	ND	**<0.30>**	ND	--	--	--	--
11/12	--	--	**1.98**	ND	--	ND	--	ND	ND	**2.39**	**0.577**	ND	--	--	--	--

All concentrations reported in µg/l unless otherwise noted. Concentrations exceeding the ES are in bold font. Concentrations exceeding the PAL are in italics.
ND Not detected above Method Detection Limit. < > Detected above Method Detection Limit, but below Limit of Quatitation .-- No sample collected

Table A.1.a. (Page 3 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
1,1-Dichloroethene PAL 0.7 µg/l, ES 7.0 µg/l																
8/94	--	--	*3.0*	**16**	*3.8*	*3.5*	--	--	--	--	--	--	--	--	--	--
1/95	<0.11>	ND	*5*	**13**	*<6.4>*	*1.1*	**7**	ND	**12**	*1.4*	ND	ND	--	--	--	--
4/95	*0.95*	ND	*2*	**14**	*4.7*	*2.6*	*6*	ND	**9.5**	*3.4*	ND	ND	--	--	--	--
8/95	--	--	0.13	*4.4*	--	*2.6*	--	--	**7.3**	*2.3*	ND	--	--	--	--	--
11/95	--	--	0.14	*2.1*	--	**11**	--	--	*1.0*	*4.1*	ND	--	--	--	--	--
2/96	0.14	ND	ND	*1.9*	*1.8*	**9.6**	*5.1*	0.031	*0.68*	*1.9*	0.042	ND	--	--	--	--
5/96	0.14	ND	*1.3*	*0.96*	*1.7*	*4.0*	*3.2*	ND	0.24	*1.6*	ND	ND	--	--	--	--
8/96	--	--	*2.7*	0.62	--	*3.9*	--	ND	<0.36>	*1.6*	ND	--	--	--	--	--
11/96	--	--	0.099	0.30	*1.2*	*6.3*	**14**	<0.032>	0.46	0.45	0.10	--	--	--	--	--
2/97	ND	ND	0.11	0.18	*0.81*	*2.4*	*5.9*	<0.041>	0.42	--	ND	--	<0.065>	--	--	--
5/97	ND	ND	*0.84*	<0.052>	0.61	*0.96*	*2.3*	ND	<0.058>	0.10	ND	ND	0.59	0.45	--	--
11/97	ND	ND	0.62	0.13	0.40	*0.90*	0.64	ND	0.26	ND	<0.043>	ND	0.12	<0.049>	--	--
5/98	ND	ND	<0.30>	ND	<0.18>	ND	*0.93*	ND	<0.19>	ND	ND	ND	<0.32>	<0.34>	--	--
11/98	ND	ND	<0.18>	ND	<0.53>	ND	<0.32>	ND	ND	<0.31>	ND	ND	<0.18>	*0.84*	--	--
5/99	ND	ND	ND	ND	<0.23>	ND	<0.20>	ND	<0.17>	*5.9*	ND	ND	<0.21>	0.67	--	--
11/99	ND	ND	ND	ND	<0.17>	<0.18>	<0.43>	ND	ND	<0.52>	ND	ND	ND	ND	<0.48>	0.60
5/00	ND	ND	ND	ND	ND	ND	<0.27>	ND	<0.46>	ND	ND	ND	ND	ND	<0.41>	<0.24>
11/00	ND	ND	ND	ND	ND	ND	<0.24>	ND	ND	ND	ND	ND	ND	ND	<0.36>	<0.27>
8/02	ND	ND	ND	ND	ND	ND	ND	ND	<0.40>	ND	ND	ND	ND	ND	ND	ND
2/03	--	--	ND	ND	ND	ND	ND	ND	<0.32>	ND	ND	--	--	--	ND	ND
5/03	--	ND	ND	ND	ND	ND	ND	ND	<0.32>	ND	ND	ND	--	ND	ND	ND
8/03	--	--	ND	ND	ND	ND	ND	ND	<0.32>	ND	ND	--	--	--	ND	ND
11/03	--	ND	ND	ND	ND	ND	ND	ND	<0.50>	ND	ND	ND	ND	ND	ND	ND
5/04	--	ND	ND	ND	ND	ND	ND	ND	<0.47>	ND	ND	ND	ND	--	ND	ND
11/04	--	ND	ND	ND	ND	ND	ND	ND	<0.31>	ND	ND	ND	ND	--	ND	ND
5/05	--	ND	ND	<0.24>	ND	<0.25>	ND	ND	<0.44>	<0.36>	*0.75*	*2.1*	*1.1*	*1.2*	ND	<0.49>
11/05	--	ND	ND	<0.22>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/06	--	ND	ND	<0.25>	ND	<0.22>	ND	ND	ND	ND	ND	ND	<0.14>	ND	ND	ND
11/06	--	ND	ND	<0.26>	ND	<0.22>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/07	--	--	ND	<0.33>	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.27>	ND	ND
11/07	--	--	--	<0.56>	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/08	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/08	--	--	--	<0.30>	--	ND	--	ND	ND	ND	ND	ND	ND	<0.22>	ND	ND
05/09	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/09	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/10	--	--	<0.21>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10	--	--	ND	--	--	ND	--	ND	ND	ND	ND	ND	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND
11/11	--	--	<0.25>	ND	ND	ND	ND	ND	ND	<0.22>	ND	ND	--	--	ND	ND
05/12	--	--	ND	<0.26>	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
11/12	--	--	<0.452>	ND	ND	ND	ND	ND	ND	<0.393>	ND	ND	--	--	--	--

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ND Not detected above Method Detection Limit. < > Detected above Method Detection Limit, but below Limit of Quatitation .-- No sample collected

Table A.1.a. (Page 4 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
cis-1,2-Dichloroethene	***PAL 7.0 µg/l, ES 70.0 µg/l***															
8/94	--	--	1.6	*7.9*	0.086	6.5	--	--	--	--	--	--	--	--	--	--
1/95	ND	ND	1.3	*38*	0.17	<1.8>	<0.11>	<0.7>	*17*	4.9	0.75	ND	--	--	--	--
4/95	ND	ND	2.1	*21*	0.14	3.4	ND	0.26	4	3.7	0.17	0.044	--	--	--	--
8/95	--	--	0.60	1.2	--	2.5	--	<0.17>	*27*	2.7	2.4	--	--	--	--	--
11/95	--	--	0.78	1.0	--	4.1	--	ND	5.4	1.4	1.6	--	--	--	--	--
2/96	ND	ND	0.16	0.49	0.22	4.1	1.0	<0.045>	1.4	6.3	0.33	ND	--	--	--	--
5/96	ND	ND	0.42	0.48	0.15	2.7	7.6	0.11	0.60	2.9	0.90	ND	--	--	--	--
8/96	--	--	0.69	0.56	--	*9.6*	--	<0.038>	0.72	6.4	0.80	--	--	--	--	--
11/96	--	--	0.32	0.31	0.21	4.7	0.2	<0.053>	3.5	3.1	0.81	--	--	--	--	--
2/97	ND	ND	0.49	0.27	0.17	2.9	<0.14>	<0.090>	6.1	--	0.30	--	0.58	--	--	--
5/97	ND	ND	0.33	0.14	0.15	2.0	0.2	ND	2.0	0.58	<0.58>	1.0	2.1	3.4	--	--
11/97	ND	<0.045>	0.77	0.23	0.23	1.6	0.89	<0.37>	3.0	0.84	1.6	<0.070>	1.1	0.68	--	--
5/98	ND	ND	ND	ND	ND	ND	<1.1>	ND	<0.54>	<0.76>	ND	ND	1.2	2.6	--	--
11/98	ND	ND	<0.81>	ND	<0.50>	<0.95>	ND	ND	<0.39>	3.1	ND	ND	<0.92>	5.4	--	--
5/99	ND	ND	<0.37>	<0.17>	<0.23>	0.74	ND	ND	<0.31>	18	ND	ND	0.82	*7.7*	--	--
11/99	ND	ND	<0.29>	<0.14>	<0.22>	1.2	ND	ND	<0.28>	2.2	ND	ND	<0.32>	1.8	3.7	4.7
5/00	ND	ND	ND	ND	ND	0.84	ND	ND	<0.39>	1.3	0.80	ND	ND	*13*	3.5	2.6
11/00	ND	ND	<0.37>	ND	ND	0.70	ND	ND	<0.31>	1.7	1.6	ND	ND	1.1	2.1	2.1
8/02	ND	ND	<0.50>	ND	ND	ND	ND	ND	<0.55>	1.0	<0.58>	<0.99>	ND	<0.60>	ND	<0.30>
2/03	--	--	<0.36>	ND	ND	ND	ND	ND	<0.47>	<0.68>	1.0	--	ND	--	ND	ND
5/03	--	ND	<0.24>	ND	ND	ND	ND	ND	<0.67>	ND	ND	<0.58>	--	<0.52>	<0.31>	<0.44>
8/03	--	--	<0.37>	ND	ND	ND	ND	ND	<0.63>	0.81	1.1	--	--	--	<0.26>	<0.31>
11/03	--	ND	ND	ND	ND	ND	ND	ND	0.74	<0.71>	1.2	<0.44>	<0.38>	<0.45>	<0.38>	<0.28>
5/04	--	ND	ND	ND	ND	ND	ND	ND	<0.38>	ND	<0.19>	0.67	--	<0.49>	ND	<0.18>
11/04	--	ND	<0.28>	<0.41>	ND	<0.19>	ND	ND	<0.43>	<0.38>	<0.39>	0.57	--	0.52	ND	ND
5/05	--	ND	1.5	<0.74>	ND	<0.66>	ND	ND	0.98	<0.33>	<0.19>	2.0	<0.45>	<0.43>	ND	<0.38>
11/05	--	ND	<0.40>	1.4	ND	<0.30>	ND	ND	ND	<0.43>	<0.53>	<0.30>	<0.40>	<0.40>	ND	ND
05/06	--	ND	ND	<0.78>	ND	<0.73>	ND	ND	ND	ND	ND	ND	<0.52>	<0.42>	ND	ND
11/06	--	ND	<0.23>	0.75	ND	0.84	ND	ND	<0.40>	<0.81>	1.2	ND	<0.21>	<0.42>	<0.22>	ND
05/07	--	--	ND	<0.81>	ND	<0.28>	ND	ND	<0.13>	<0.40>	<0.26>	ND	ND	ND	ND	ND
11/07	--	--	--	1.8	--	<0.24>	--	ND	<2.0>	0.86	<0.19>	ND	<0.43>	<0.26>	ND	<0.20>
05/08	--	--	<0.61>	ND	ND	1.4	ND	ND	<0.98>	ND	ND	ND	ND	ND	ND	ND
11/08	--	--	--	<0.52>	--	1.8	--	ND	2.4	ND	ND	ND	<0.29>	<0.33>	ND	ND
05/09	--	--	0.79	<0.22>	ND	ND	ND	ND	ND	<0.22>	<0.26>	0.65	<0.33>	<0.35>	ND	<0.21>
11/09	--	--	--	ND	ND	ND	ND	ND	ND	<0.32>	ND	<0.42>	<0.33>	<0.33>	ND	<0.17>
05/10	--	--	1.1	ND	ND	ND	ND	ND	ND	<0.25>	<0.27>	<0.35>	ND	<0.20>	ND	ND
11/10	--	--	1.1	--	--	ND	--	<0.27>	ND	5.1	<0.25>	ND	--	--	ND	ND
05/11	--	--	<0.38>	ND	ND	ND	ND	<0.52>	ND	5.2	ND	ND	--	--	ND	ND
11/11	--	--	1.4	ND	ND	ND	ND	ND	ND	5.7	<0.48>	ND	--	--	ND	ND
05/12	--	--	1.7	<0.64>	--	ND	--	<0.29>	ND	4.0	<0.39>	ND	--	--	--	--
11/12	--	--	3.94	<0.305>	--	ND	--	ND	<0.275>	*7.87*	<0.991>	ND	--	--	--	--

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Table A.1.a. (Page 5 of 8)
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1,1,1-Trichloroethane PAL 40 µg/l, ES 200 µg/l																
8/94	--	--	1.7	26	16	12	--	--	--	--	--	--	--	--	--	--
1/95	1.4	ND	6.6	20	21	3.9	28	ND	25	0.24	ND	4	--	--	--	--
4/95	6.5	ND	1.5	21	19	9.9	23	ND	17	0.62	ND	1.3	--	--	--	--
8/95	--	--	0.12	6.2	--	8.6	--	ND	13	0.42	ND	--	--	--	--	--
11/95	--	--	0.28	3.6	--	43	--	0.23	1.9	ND	ND	--	--	--	--	--
2/96	1.2	ND	ND	4.2	6.0	37	19	0.11	1.3	ND	ND	1.2	--	--	--	--
5/96	1.6	ND	1.3	1.7	4.7	21	15	0.082	0.71	0.18	ND	2.1	--	--	--	--
8/96	--	--	0.42	0.59	--	8.9	--	<0.090>	0.66	ND	ND	--	--	--	--	--
11/96	--	--	ND	<0.25>	3.1	10	44	<0.092>	ND	ND	ND	--	--	--	--	--
2/97	0.50	ND	ND	<0.097>	2.1	5.2	21	ND	ND	--	ND	--	ND	--	--	--
5/97	0.45	ND	0.89	ND	1.2	<2.2>	5.7	ND	<0.22>	ND	<0.30>	ND	ND	ND	--	--
11/97	0.32	ND	ND	ND	0.55	0.98	1.7	ND	ND	ND	ND	0.33	ND	ND	--	--
5/98	<0.38>	ND	ND	ND	<0.25>	ND	2.0	ND	ND	ND	ND	<0.47>	ND	ND	--	--
11/98	<0.28>	ND	ND	ND	0.87	ND	<0.60>	ND	ND	ND	ND	<0.50>	ND	ND	--	--
5/99	<0.37>	ND	ND	ND	<0.52>	ND	<0.55>	ND	ND	ND	ND	<0.39>	ND	ND	--	--
11/99	<0.28>	ND	ND	ND	<0.39>	<0.63>	1.6	ND	ND	<0.50>	ND	ND	ND	ND	ND	ND
5/00	<0.27>	ND	ND	ND	ND	<0.20>	1.2	ND	ND	ND	ND	<0.45>	ND	ND	ND	ND
11/00	<0.33>	ND	ND	ND	ND	0.60	0.63	ND	ND	ND	ND	<0.32>	ND	ND	ND	ND
8/02	ND	ND	ND	ND	ND	<0.50>	ND	ND	ND	ND	ND	0.64	ND	ND	ND	ND
2/03	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
5/03	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
8/03	--	--	ND	ND	ND	<0.27>	<0.43>	ND	ND	ND	ND	--	--	--	ND	ND
11/03	--	ND	ND	ND	ND	ND	<0.34>	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/04	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
11/04	--	ND	ND	<0.21>	<0.30>	<0.32>	ND	ND	ND	ND	ND	1.4	--	ND	ND	ND
5/05	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05	--	ND	ND	ND	ND	ND	<0.19>	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/06	--	ND	ND	ND	<0.32>	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
11/06	--	ND	ND	ND	<0.21>	ND	ND	ND	ND	ND	ND	0.76	ND	ND	ND	ND
05/07	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND	ND
11/07	--	--	--	ND	--	ND	--	ND	ND	ND	ND	1.5	ND	ND	ND	ND
05/08	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
11/08	--	--	--	ND	--	ND	--	ND	ND	ND	ND	1.1	ND	ND	ND	ND
05/09	--	--	ND	ND	<0.16>	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND
11/09	--	--	--	ND	--	ND	--	ND	ND	ND	ND	<0.40>	ND	ND	ND	ND
05/10	--	--	ND	ND	ND	ND	<0.43>	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10	--	--		--	--	ND	--	ND	ND	ND	ND	1.4	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	<0.62>	ND	ND	ND	ND	<0.1.6>	--	--	ND	ND
11/11	--	--	ND	ND	ND	ND	<0.76>	ND	ND	ND	ND	1.3	--	--	ND	ND
05/12	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	1.2	--	--	--	--
11/12	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--

All concentrations reported in µg/l unless otherwise noted. Concentrations exceeding the ES are in bold font. Concentrations exceeding the PAL are in italics.
ND Not detected above Method Detection Limit. < > Detected above Method Detection Limit, but below Limit of Quatitation .-- No sample collected

Table A.1.a. (Page 6 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
Tetrachloroethene PAL 0.5 µg/l, ES 5.0 µg/l																
8/94	--	--	0.079	0.41	0.057	*4.1*	--	--	--	--	--	--	--	--	--	--
1/95	ND	ND	<0.10>	<0.38>	0.064	*1.4*	ND	ND	*<1.7>*	<0.27>	ND	ND	--	--	--	--
4/95	ND	ND	0.09	<0.50>	ND	*2.6*	<0.068>	<0.062>	*<0.89>*	<0.49>	ND	ND	--	--	--	--
8/95	--	--	0.27	*1.4*	--	*2.0*	--	*3.3*	*1.5*	*0.69*	<0.26>	--	--	--	--	--
11/95	--	--	0.23	<0.28>	--	*2.7*	--	<0.066>	*0.6*	*0.55*	ND	--	--	--	--	--
2/96	ND	ND	ND	0.19	0.45	*1.1*	0.47	<0.46>	*0.65*	0.40	ND	ND	--	--	--	--
5/96	ND	ND	<0.069>	0.15	<0.046>	*1.5*	0.11	<0.039>	0.35	0.31	ND	ND	--	--	--	--
8/96	--	--	0.12	0.19	--	*2.2*	--	<0.033>	*0.74*	0.32	ND	--	--	--	--	--
11/96	--	--	<0.10>	0.14	<0.076>	**7.1**	0.15	ND	<0.36>	0.31	ND	--	--	--	--	--
2/97	ND	ND	ND	<0.096>	<0.066>	**5.9**	<0.15>	ND	<0.21>	--	ND	--	ND	--	--	--
5/97	ND	ND	<0.010>	<0.052>	<0.082>	*3.0*	<0.13>	ND	<0.25>	0.14	<0.062>	*0.89*	<0.059>	ND	--	--
11/97	ND	ND	0.21	<0.073>	<0.10>	*2.5*	0.22	ND	0.31	<0.20>	ND	ND	ND	ND	--	--
5/98	ND	ND	ND	ND	ND	*<1.7>*	<0.15>	ND	ND	<0.26>	ND	ND	ND	ND	--	--
11/98	ND	ND	<0.24>	ND	ND	*<0.73>*	ND	ND	<0.14>	ND	ND	ND	ND	ND	--	--
5/99	ND	ND	ND	ND	ND	*<0.57>*	ND	ND	ND	<0.39>	ND	ND	ND	ND	--	--
11/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/00	ND	ND	ND	ND	ND	*1.1*	ND	ND	<0.47>	ND	ND	ND	ND	ND	ND	ND
11/00	ND	ND	ND	ND	ND	*1.1*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/02	ND	ND	ND	ND	ND	<0.36>	ND	ND	<0.23>	ND	ND	ND	ND	ND	ND	ND
2/03	--		ND	ND	ND	<0.26>	ND	ND	ND	ND	ND	--	ND	--	ND	ND
5/03	--	ND	ND	ND	<0.29>	ND	*0.69*	ND	ND	ND	ND	ND	--	ND	ND	ND
8/03	--	--	ND	ND	ND	<0.19>	ND	ND	ND	ND	ND	--	--	--	ND	ND
11/03	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/04	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/04	--	ND	ND	ND	ND	ND	ND	ND	<0.26>	ND	ND	ND	ND	ND	ND	ND
5/05	--	ND	ND	ND	*1.7*	ND	*1.5*	ND	*0.83*	ND	ND	ND	ND	ND	ND	*1.8*
11/05	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/06	--	ND	ND	ND	*2.3*	ND	*3.1*	ND	ND	ND	ND	ND	ND	ND	ND	*1.7*
11/06	--	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND
05/07	--	--	ND	ND	ND	ND	ND	ND	*<1.4>*	ND	ND	ND	ND	ND	ND	ND
11/07	--	--	--	<0.17>	--	ND	--	ND	*<1.6>*	ND	ND	ND	ND	ND	ND	ND
05/08	--	--	ND	<0.45>	*2.3*	ND	*2.8*	ND	*1.4*	ND	ND	ND	ND	ND	ND	*3.5*
11/08	--	--	ND	<0.91>	--	ND	--	ND	*1.8*	ND	ND	ND	ND	ND	ND	ND
05/09	--	--	ND	<0.12>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/09	--	--	ND	<0.21>	--	ND	--	<0.21>	ND	ND	ND	ND	ND	ND	ND	ND
05/10	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10	--	--	ND	--	--	ND	--	ND	*<0.87>*	ND	ND	ND	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/11	--	--	ND	ND	ND	ND	ND	ND	*1.1*	ND	ND	ND	--	--	ND	ND
05/12	--	--	ND	ND	--	ND	--	ND	<0.24>	ND	ND	ND	--	--	--	--
11/12	--	--	ND	ND	--	ND	--	ND	*<0.645>*	ND	ND	ND	--	--	--	--

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Table A.1.a. (Page 7 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
4-Methyl-2-pentanone (MIBK) PAL 50 µg/l, ES 500 µg/l																
8/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21	ND	--	--	--	--
4/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/95	--	--	0.24	ND	--	ND	--	ND	ND	3.9	ND	--	--	--	--	--
2/96	0.071	ND	ND	ND	ND	ND	ND	ND	ND	1.9	0.12	ND	--	--	--	--
5/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
8/96	--	--	ND	ND	--	ND	--	ND	ND	1.7	ND	--	--	--	--	--
11/96	--	--	ND	ND	ND	ND	ND	ND	ND	0.81	ND	--	--	--	--	--
2/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
5/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.13>	ND	ND	ND	ND	--	--
11/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
5/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.63>	ND	--	--
11/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
5/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
11/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/03	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
5/03	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
8/03	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	ND
11/03	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND
5/04	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/04	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/05	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/06	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/07	--	--	ND	ND	ND	ND	ND	ND	ND	ND	<0.24>	ND	ND	ND	ND	ND
11/07	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/08	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/08	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/09	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/09	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/10	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10	--	--	ND	--	--	ND	--	ND	ND	ND	ND	ND	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/12	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
11/12	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--

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Table A.1.a. (Page 8 of 8)
Summary of Select VOCs Detected in Groundwater - On-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-1	MW-2	MW-6	MW-7	MW-7A	MW-8	MW-8A	MW-9	MW-10	MW-11	MW-12	MW-13	MW-15	MW-19	MW-20	MW-20A
4,4-dimethyl-2-pentanone																
8/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400	180	14	--	--	--	--
4/95	ND	ND	38	ND	ND	ND	ND	ND	ND	340	240	45	--	--	--	--
8/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/95	--	--	75	6.1	--	--	--	ND	ND	190	ND	--	--	--	--	--
2/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	150	ND	--	--	--	--
5/96	ND	ND	33	ND	ND	ND	ND	ND	ND	49	200	ND	--	--	--	--
8/96	--	--	36	ND	--	ND	--	ND	ND	120	100	--	--	--	--	--
11/96	--	--	25	ND	ND	ND	ND	ND	ND	92	17	--	--	--	--	--
2/97	ND	ND	32	ND	ND	ND	ND	ND	ND	--	76	--	60	--	--	--
5/97	ND	ND	16	ND	ND	ND	ND	ND	ND	65	ND	6.0	9.9	ND	--	--
11/97	ND	ND	28	ND	ND	ND	ND	ND	ND	150	29	ND	560	ND	--	--
5/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	8.2	ND	38	ND	--	--
11/98	ND	ND	64	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	--	--
5/99	ND	ND	44	ND	ND	ND	ND	ND	ND	13	<23>	30	8.0	ND	--	--
11/99	ND	ND	64	ND	ND	ND	ND	ND	ND	ND	<24>	<0.26>	150	ND	<5.5>	<3.4>
5/00	ND	ND	36	ND	ND	ND	ND	ND	ND	51	6.2	5.3	160	2.1	<1.7>	4.7
11/00	ND	ND	96	ND	ND	ND	ND	ND	ND	28	14	ND	290	ND	ND	6.1
8/02	ND	ND	17	ND	ND	ND	ND	ND	ND	3.8	1.9	4.3	<0.46>	4.5	ND	ND
2/03	--	--	110	ND	ND	ND	ND	ND	ND	37	9.9	--	ND	--	<3.8>	ND
5/03	--	ND	67	ND	ND	ND	ND	ND	ND	81	4.9	5.4	--	ND	7.0	ND
8/03	--	--	93	ND	ND	ND	ND	ND	ND	18	25	--	--	--	6.7	2.8
11/03	--	ND	83	ND	ND	ND	ND	ND	ND	290	5.5	18	100	<0.67>	ND	4.6
5/04	--	ND	69	ND	ND	ND	ND	ND	ND	130	9.4	10	ND	ND	<1.5>	ND
11/04	--	ND	100	ND	ND	ND	ND	ND	ND	47	16	12	--	ND	<2.8>	ND
5/05	--	ND	3.7	ND	ND	ND	ND	ND	ND	64	8.6	ND	ND	ND	ND	ND
11/05	--	ND	36	ND	ND	ND	ND	ND	ND	54	24	12	6.9	ND	ND	ND
05/06	--	ND	31	ND	ND	ND	ND	ND	ND	45	32	7.6	<1.3>	ND	<1.2>	ND
11/06	--	ND	120	ND	ND	ND	ND	ND	ND	ND	50	ND	110	ND	ND	<1.0>
05/07	--	--	31	ND	ND	ND	ND	ND	ND	5.0	18	31	4.6	ND	ND	ND
11/07	--	--	--	ND	--	ND	--	ND	ND	29	44	ND	8.1	ND	ND	ND
05/08	--	--	ND	ND	ND	ND	ND	ND	ND	16	27	ND	<1.9>	ND	ND	ND
11/08	--	--	--	ND	--	ND	--	ND	ND	15	36	ND	24	ND	ND	ND
05/09	--	--	ND	ND	ND	ND	ND	ND	ND	8.3	15	ND	<0.77>	ND	ND	2.5
11/09	--	--	--	ND	--	ND	--	ND	ND	3.9	45	ND	ND	ND	ND	ND
05/10	--	--	8.5	ND	ND	ND	ND	ND	ND	4.4	7.1	ND	<3.2>	ND	ND	ND
11/10	--	--	ND	--	--	ND	--	ND	ND	ND	4.4	ND	--	--	ND	ND
05/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND
11/11	--	--	ND	ND	ND	ND	ND	ND	ND	ND	33	20	--	--	ND	ND
05/12	--	--	ND	ND	--	ND	--	ND	ND	ND	5.6	<4.0>	--	--	--	--
11/12	--	--	<1.42>	ND	--	ND	--	ND	ND	ND	5.21	ND	--	--	--	--

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Table A1-1b (Page 1 of 7)
Summary of Select VOCs Detected in Groundwater – Off-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-21	MW-22	MW-24	MW-24A	MW-25R	MW-25A	MW-26	MW-26A	MW-1Z	MW-1PZ	MW-2Z	MW-2PZ	MW-8Z
Trichloroethene ***PAL 0.5 µg/l, ES 5.0 µg/l***													
5/97	--	--	--	--	--	--	--	--	ND	**6.3**	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	**7.2**	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	**14**	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	**24**	ND	**16**	ND
10/98	--	--	--	--	--	--	--	--	ND	**15**	**6.4**	**7.2**	ND
2/99	--	--	--	--	--	--	--	--	--	--	**10**	**10**	ND
5/99	--	--	--	--	--	--	--	--	*4.1*	**13**	**5.6**	**6.8**	ND
11/99	**6.4**	**23**	--	--	--	--	--	--	ND	**5.5**	**5.7**	*4.8*	ND
5/00	*4.8*	**16**	--	--	--	--	--	--	<0.48>	**7.4**	*2.8*	**7.0**	ND
11/00	*3.9*	**16**	--	--	--	--	--	--	ND	**6.3**	*2.2*	**7.1**	ND
8/02	*2.9*	**8.8**	ND	*<0.96>*	ND	ND	*1.6*	**8.4**	ND	**6.5**	ND	*2.9*	ND
2/03	*1.6*	--	--	ND	--	ND	--	4.5	--	**6.5**	--	*2.2*	ND
5/03	*2.5*	**6.1**	<0.19>	<0.32>	ND	ND	*0.51*	**7.1**	--	**6.9**	--	*1.2*	ND
8/03	*2.7*	--	--	*1.1*	--	ND	--	**9.3**	--	**5.1**	--	*0.79*	ND
11/03	*2.3*	**6.3**	ND	*1.2*	--	ND	*2.3*	**10**	--	**6.0**	--	*1.3*	ND
5/04	*2.0*	*4.4*	ND	*0.69*	<0.34>	ND	ND	*4.7*	--	*3.1*	--	ND	ND
11/04	*1.3*	**7.2**	ND	*<0.67>*	<0.45>	ND	<0.40>	*3.2*	--	<0.39>	--	<0.40>	ND
5/05	*0.81*	**5.8**	ND	*0.84*	0.45	ND	*2.2*	*3.0*	--	--	--	--	--
11/05	*1.4*	*4.0*	ND	*<1.2>*	<0.46>	ND	<0.31>	*3.0*	--	--	--	--	--
05/06	*0.87*	*3.3*	ND	*<0.92>*	ND	ND	ND	*3.0*	--	--	--	--	--
11/06	*1.4*	*3.5*	ND	<0.33>	ND	ND	<0.38>	*1.9*	--	--	--	--	--
05/07	*1.4*	*3.7*	ND	<0.29>	ND	ND	ND	*3.2*	--	--	--	--	--
11/07	*<0.63>*	*3.8*	--	*<0.53>*	--	<0.22>	--	*1.4*	--	--	--	--	--
05/08	<0.49>	*1.3*	ND	*<1.1>*	ND	<0.46>	ND	*3.3*	--	--	--	--	--
11/08	*<0.55>*	*<0.55>*	--	*<0.96>*	--	ND	--	*2.4*	--	--	--	--	--
05/09	ND	ND	ND	*<0.68>*	ND	ND	ND	*1.8*	--	--	--	--	--
11/09	<0.43>	<0.44>	--	*<0.66>*	--	<0.19>	--	*1.8*	--	--	--	--	--
05/10	<0.26>	<0.24>	ND	*0.64*	<0.29>	<0.23>	<0.45>	*1.6*	--	--	--	--	--
11/10	<0.35>	<0.30>	--	*0.79*	--	<0.24>	--	*2.1*	--	--	--	--	--
05/11	<0.37>	<0.20>	*1.3*	*0.64*	ND	ND	*1.2*	*2.0*	--	--	--	--	--
11/11	<0.38>	<0.31>	ND	*0.63*	<0.32>	<0.36>	*0.69*	*1.2*	--	--	--	--	
05/12	--	--	--	--	ND	*<0.58>*	--	--	--	--	--	--	--
11/12	--	--	--	--	<0.29>	<0.40>	--	--	--	--	--	--	--

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Concentrations exceeding the ES are in bold font.
ND Not detected above Method Detection Limit.
< > Detected above Method Detection Limit, but below Limit of Quatitation.
-- No sample collected

Table A1-1b (Page 2 of 7)
Summary of Select VOCs Detected in Groundwater – Off-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date-	MW-21	MW-22	MW-24	MW-24A	MW-25R	MW-25A	MW-26	MW-26A	MW-1Z	MW-1PZ	MW-2Z	MW-2PZ	MW-8Z
Vinyl Chloride	***PAL 0.02 µg/l, ES 0.2 µg/l***												
5/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
10/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
2/99	--	--	--	--	--	--	--	--	--	--	ND	ND	ND
5/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
11/99	**5.8**	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND
5/00	**2.4**	ND	--	--	--	--	--	--	ND	ND	ND	*<0.18>*	ND
11/00	**2.5**	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND
8/02	**1.3**	ND	ND	**0.74**	ND	*<0.17>*	*<0.16>*	ND	ND	ND	ND	ND	ND
2/03	**<0.49>**	--	--	**<0.33>**	--	ND	--	ND	--	ND	--	ND	ND
5/03	**0.85**	ND	ND	**0.47**	ND	ND	ND	**0.53**	--	ND	--	ND	ND
8/03	**0.86**	--	--	**1.9**	--	ND	--	**0.74**	--	ND	--	ND	ND
11/03	**0.78**	ND	ND	**1.5**	--	ND	**<0.27>**	**1.3**	--	ND	--	ND	ND
5/04	**<0.44>**	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
11/04	**0.93**	ND	ND	**<0.28>**	*<0.17>*	ND	ND	ND	--	ND	--	ND	ND
5/05	**0.99**	ND	ND	**<0.28>**	**<0.68>**	ND	ND	ND	--	--	--	--	--
11/05	**1.4**	ND	ND	**<0.56>**	ND	**<0.71>**	ND	**<0.35>**	--	--	--	--	--
05/06	**0.74**	ND	ND	ND	ND	**<0.73>**	ND	**<0.32>**	--	--	--	--	--
11/06	**1.4**	ND	ND	ND	ND	ND	ND	**<0.35>**	--	--	--	--	--
05/07	**1.3**	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/07	**<0.36>**	ND	--	**<0.49>**	--	**<0.30>**	--	**<0.39>**	--	--	--	--	--
05/08	**0.49**	ND	ND	ND	ND	**1.2**	ND	ND					
11/08	**<0.51>**	ND	--	**<0.28>**	--	**<0.94>**	--	**<0.28>**	--	--	--	--	--
05/09	*<0.18>*	ND	ND	ND	ND	**0.87**	ND	ND	--	--	--	--	--
11/09	**<0.40>**	ND	--	ND	--	**0.97**	--	ND	--	--	--	--	--
05/10	**<0.55>**	ND	ND	ND	**<0.20>**	**<0.44>**	ND	ND	--	--	--	--	--
11/10	ND	ND	--	ND	--	**<0.38>**	--	ND	--	--	--	--	--
05/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/11	ND	ND	ND	ND	ND	**<0.35>**	ND	ND	--	--	--	--	
05/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--
11/12	--	--	--	--	*<0.16>*	ND	--	--	--	--	--	--	--

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-- No sample collected

Table A1-1b (Page 3 of 7)
Summary of Select VOCs Detected in Groundwater – Off-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-21	MW-22	MW-24	MW-24A	MW-25R	MW-25A	MW-26	MW-26A	MW-1Z	MW-1PZ	MW-2Z	MW-2PZ	MW-8Z
1,1-Dichloroethene PAL 0.7 µg/l, ES 7.0 µg/l													
5/97	--	--	--	--	--	--	--	--	ND	*4.4*	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	*6.4*	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	*4.0*	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	**21**	ND	**15**	ND
10/98	--	--	--	--	--	--	--	--	ND	**18**	*6.7*	**8.8**	ND
2/99	--	--	--	--	--	--	--	--	--	--	**13**	**9.8**	ND
5/99	--	--	--	--	--	--	--	--	*4.2*	**14**	*6.2*	*5.8*	ND
11/99	*0.85*	<0.52>	--	--	--	--	--	--	ND	*<3.9>*	*6.8*	*3.2*	ND
5/00	<0.37>	<0.21>	--	--	--	--	--	--	ND	**8.4**	*3.3*	**9.0**	ND
11/00	<0.40>	<0.18>	--	--	--	--	--	--	ND	**8.9**	*3.9*	**7.3**	ND
8/02	ND	ND	ND	ND	ND	*<0.93>*	ND	<0.14>	ND	*1.9*	<0.32>	*<0.76>*	ND
2/03	ND	--	--	ND	--	<0.58>	--	ND	--	*<0.89>*	--	ND	ND
5/03	ND	ND	ND	ND	ND	*<1.8>*	ND	<0.38>	--	*0.95*	--	ND	ND
8/03	ND	--	--	<0.28>	--	*3.2*	--	<0.25>	--	*0.70*	--	ND	ND
11/03	ND	<0.17>	ND	<0.17>	--	*4.0*	ND	<0.40>	--	<0.51>	--	<0.18>	ND
5/04	ND	ND	ND	ND	<0.40>	*4.5*	ND	ND	--	ND	--	ND	ND
11/04	ND	ND	ND	ND	*<0.91>*	*3.4*	ND	ND	--	ND	--	ND	ND
5/05	ND	ND	ND	<0.20>	*0.94*	*1.6*	ND	ND	--	--	--	--	--
11/05	ND	ND	ND	ND	*1.0*	*5.0*	ND	<0.31>	--	--	--	--	--
05/06	ND	ND	ND	ND	ND	*5.1*	ND	<0.21>	--	--	--	--	--
11/06	ND	ND	ND	*4.3*	ND	ND	ND	<0.22>	--	--	--	--	--
05/07	ND	ND	ND	*5.5*	<0.21>	ND	ND	ND	--	--	--	--	--
11/07	ND	ND	--	<0.29>	--	*2.9*	--	<0.17>	--	--	--	--	--
05/08	ND	ND	ND	*0.78*	<0.42>	**8.1**	ND	ND	--	--	--	--	--
11/08	ND	ND	--	<0.59>	--	*5.1*	--	ND	--	--	--	--	--
05/09	ND	ND	ND	*0.75*	*1.3*	*5.4*	ND	ND	--	--	--	--	--
11/09	ND	ND	--	*0.87*	--	*3.5*	--	ND	--	--	--	--	--
05/10	ND	ND	ND	<0.32>	**9.5**	*1.6*	<0.37>	*5.6*	--	--	--	--	--
11/10	ND	ND	--	<0.27>	--	*1.3*	--	ND	--	--	--	--	--
05/11	ND	ND	<0.23>	<0.25>	ND	<0.35>	ND	ND	--	--	--	--	--
11/11	ND	ND	ND	<0.26>	0.76	<0.47>	ND	ND	--	--	--	--	--
05/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--
11/12	--	--	--	--	<0.43>	<0.22>	--	--	--	--	--	--	--

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Table A1-1b (Page 4 of 7)
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Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-21	MW-22	MW-24	MW-24A	MW-25R	MW-25A	MW-26	MW-26A	MW-1Z	MW-1PZ	MW-2Z	MW-2PZ	MW-8Z
cis-1,2-Dichloroethene	***PAL 7.0 µg/l, ES 70.0 µg/l***												
5/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
10/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
2/99	--	--	--	--	--	--	--	--	--	--	ND	ND	ND
5/99	--	--	--	--	--	--	--	--	<1.6>	<0.32>	0.60	ND	0.50
11/99	4.9	1.4	--	--	--	--	--	--	ND	ND	1.2	ND	0.68
5/00	2.6	<0.54>	--	--	--	--	--	--	ND	ND	1.8	ND	0.71
11/00	2.3	<0.31>	--	--	--	--	--	--	ND	ND	2.4	ND	0.72
8/02	2.6	<0.20>	ND	*7.2*	<0.34>	*45*	3.5	6.7	ND	1.0	<0.62>	1.3	<0.31>
2/03	1.2	--	--	2.4	--	*25*	--	3.0	--	ND	--	<0.50>	<0.56>
5/03	1.6	ND	ND	4.8	*25*	*44*	<0.87>	6.5	--	<0.40>	--	<0.36>	ND
8/03	1.7	--	--	*17*	--	*63*	--	6.0	--	<0.49>	--	<0.29>	<0.27>
11/03	1.4	ND	ND	*11*	--	*60*	2.5	6.4	--	<0.54>	--	<0.27>	<0.48>
5/04	1.2	ND	ND	*7.3*	*8.1*	*52*	ND	6.5	--	<0.59>	--	ND	ND
11/04	1.6	<0.19>	ND	*12*	*12*	*33*	<0.16>	5.6	--	ND	--	ND	ND
5/05	1.7	ND	ND	*21*	*13*	*32*	1.3	*9.3*	--	--	--	--	--
11/05	2.7	ND	ND	*19*	*9.2*	*43*	ND	*9.5*	--	--	--	--	--
05/06	1.2	ND	ND	*16*	2.0	*33*	ND	*7.7*	--	--	--	--	--
11/06	2.8	ND	ND	*7.4*	3.0	*45*	ND	*7.8*	--	--	--	--	--
05/07	2.1	ND	ND	ND	1.8	*15*	ND	2.4	--	--	--	--	--
11/07	0.86	ND	--	*15*	--	*33*	--	6.7	--	--	--	--	--
05/08	<1.1>	ND	ND	*18*	2.2	*27*	ND	4.8	--	--	--	--	--
11/08	1.1	ND	--	*18*	--	*26*	--	6.4	--	--	--	--	--
05/09	0.96	ND	ND	*17*	5.0	*16*	ND	5.7	--	--	--	--	--
11/09	1.3	ND	--	*12*	--	*14*	--	5.8	--	--	--	--	--
05/10	1.1	ND	ND	*10*	ND	*14*	ND	1.1	--	--	--	--	--
11/10	<0.53>	ND	--	*8.8*	--	*13*	--	5.6	--	--	--	--	--
05/11	<0.65>	ND	*8.0*	*7.8*	ND	*9.2*	<0.70>	*7.0*	--	--	--	--	--
11/11	<0.60>	ND	1.9	*7.9*	5.9	6.4	<0.33>	*7.1*	--	--	--	--	--
05/12	--	--	--	--	<0.65>	5.1	--	--	--	--	--	--	--
11/12	--	--	--	--	4.2	4.5	--	--	--	--	--	--	--

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1,1,1-Trichloroethane PAL 40 µg/l, ES 200 µg/l													
5/97	--	--	--	--	--	--	--	--	ND	18	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	22	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	15	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	50	ND	*40*	ND
10/98	--	--	--	--	--	--	--	--	ND	*68*	8.3	24	ND
2/99	--	--	--	--	--	--	--	--	--	--	9.4	26	ND
5/99	--	--	--	--	--	--	--	--	ND	30	5.4	17	ND
11/99	ND	1.1	--	--	--	--	--	--	ND	<8.8>	2.2	9.1	ND
5/00	ND	0.68	--	--	--	--	--	--	ND	21	ND	22	ND
11/00	ND	<0.52>	--	--	--	--	--	--	ND	20	<0.39>	18	ND
8/02	ND	<0.77>	ND	ND	ND	ND	ND	ND	ND	4.1	ND	1.8	ND
2/03	ND	--	--	ND	--		--	ND	--	2.3	--	<0.85>	ND
5/03	ND	ND		ND	ND	ND	ND	ND	--	2.6	--	<0.28>	ND
8/03	ND	--	--	ND	--	ND	--	ND	--	ND	--	ND	ND
11/03	ND	ND	ND	ND	--	ND	ND	ND	--	1.9	--	ND	ND
5/04	ND	ND	ND	ND	ND	ND	ND	ND	--	<0.74>	--	ND	ND
11/04	ND	<0.54>	ND	ND	ND	ND	ND	ND	--	<0.38>	--	<0.29>	ND
5/05	ND	<0.25>	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/05	ND	<0.21>	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/06	ND	<0.28>	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/06	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/07	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/07	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/08	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/08	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/09	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/10	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/10	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--
11/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--

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Tetrachloroethene PAL 0.5 µg/l, ES 5.0 µg/l													
05/09	--	--	--	--	--	--	--	--	ND	*2.0*	ND	--	--
11/09	--	--	--	--	--	--	--	--	ND	*1.0*	ND	--	--
05/09	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
11/09	--	--	--	--	--	--	--	--	ND	*0.8*	ND	*1.3*	ND
05/09	--	--	--	--	--	--	--	--	ND	*1.4*	*3.8*	*1.5*	ND
11/09	--	--	--	--	--	--	--	--	--	--	*1.3*	*0.66*	ND
05/09	--	--	--	--	--	--	--	--	ND	*1.0*	<0.33>	<0.31>	ND
11/09	ND	ND	--	--	--	--	--	--	ND	ND	<0.33>	*<0.56>*	ND
05/09	ND	ND	--	--	--	--	--	--	ND	ND	ND	*<0.57>*	ND
11/09	ND	<0.22>	--	--	--	--	--	--	ND	ND	ND	<0.42>	ND
05/09	ND	<0.17>	ND	ND	ND	ND	ND	ND	ND	<0.40>	ND	<0.44>	ND
11/09	ND	--	--	ND	--	ND	--	ND	--	<0.32>	--	ND	ND
05/09	ND	ND	ND	ND	ND	*<0.83>*	ND	*0.73*	--	*1.6*	--	*0.96*	ND
11/09	ND	--	--	ND	--	ND	--	ND	--	<0.29>	--	ND	ND
05/09	ND	ND	ND	ND	--	ND	ND	ND	--	<0.45>	--	<0.17>	ND
11/09	ND	ND	ND	ND	ND	ND	ND	ND	--	<0.35>	--	ND	ND
05/09	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
11/09	ND	ND	ND	*1.2*	ND	*<1.3>*	ND	1.3	--	--	--	--	--
05/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/09	ND	ND	ND	*1.5*	ND	*<1.6>*	ND	1.1	--	--	--	--	--
05/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/09	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
11/09	ND	ND	ND	*2.6*	ND	*3.1*	ND	*2.0*	--	--	--	--	--
05/09	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
11/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/09	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/10	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/10	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--
11/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--

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Summary of Select VOCs Detected in Groundwater – Off-Site Wells
Former Trane Plant No. 6 Facility, La Crosse, Wisconsin

Date	MW-21	MW-22	MW-24	MW-24A	MW-25R	MW-25A	MW-26	MW-26A	MW-1Z	MW-1PZ	MW-2Z	MW-2PZ	MW-8Z
4,4-dimethyl-2-pentanone													
5/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
6/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
8/97	--	--	--	--	--	--	--	--	ND	ND	ND	--	--
2/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
10/98	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
2/99	--	--	--	--	--	--	--	--	--	--	ND	ND	ND
5/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND
11/99	ND	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND
5/00	ND	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND
11/00	ND	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND
8/02	ND	ND	ND	ND	ND	ND	ND	<1.2>	ND	ND	ND	ND	ND
2/03	ND	--	--	ND	--	ND	--	ND	--	<0.88>	--	ND	ND
5/03	ND	ND	ND	ND	ND	ND	<1.4>	<1.1>	--	ND	--	ND	ND
8/03	ND	--	--	ND	--	ND	--	5.5	--	ND	--	ND	ND
11/03	ND	ND	ND	ND	--	ND	<1.7>	5.0	--	ND	--	ND	<0.68>
5/04	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
11/04	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND
5/05	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/05	ND	ND	ND	ND	ND	ND	ND	<0.82>	--	--	--	--	--
05/06	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/06	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/07	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/07	ND	ND	--	11	--	ND	--	ND	--	--	--	--	--
05/08	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/08	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/09	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/09	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/10	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/10	ND	ND	--	ND	--	ND	--	ND	--	--	--	--	--
05/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
11/11	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--
11/12	--	--	--	--	ND	ND	--	--	--	--	--	--	--

All concentrations reported in µg/l unless otherwise noted.
Concentrations exceeding the ES are in bold font.
ND Not detected above Method Detection Limit.
< > Detected above Method Detection Limit, but below Limit of Quatitation.
-- No sample collected

Table A2-1(a)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results – Bay N/18 & N/19 Area (Adjacent to XCELLO Line)

Sample Location	Sample Depth (ft)	DRO (ppm)	Methyl t-Butyl Ether	Benzene	Toluene	Ethylbenzene	m/p Xylene	o-Xylene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
1	1	20	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1	2	9.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1	3	8.6	<0.025	0.03	0.041	0.049	0.074	0.037	0.053	0.063
2	1	**13,000**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2	2	**10,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
2	3	**3,600**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.072
3	1	**5,200**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.040	<0.025
3	2	**3,700**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.11	0.075
3	3	**2,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	1	**7,300**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	2	**7,300**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	3	**9,000**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
5	1	**12,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5	2	**12,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.032	0.054
5	3	**15,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	1	**15,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	2	**13,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	3	**12,000**	<0.025	<0.025	<0.025	0.096	<0.025	0.035	0.071	0.18
7	1	**18,000**	<0.025	<0.025	0.11	<0.025	<0.025	<0.025	<0.025	<0.025
7	2	**22,000**	<0.025	<0.025	0.13	<0.025	<0.025	<0.025	<0.025	<0.025
7	3	**26,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	1	**170**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	2	**120**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	3	**180**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
9	1	**14,000**	<0.025	<0.025	<0.025	0.13	0.10	0.084	0.036	0.061
10	1	**140**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
10	2	83	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
10	3	20	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
23	3-5	62								
23	6-8	18								
24	3-5	15								
24	6-8	ND								
25	6-8	ND								
26	3-5	ND								
29	3-5	14								
29	5-7	11								
30	3-5	ND								
30	6-8	49								
MW-14*	12.5-14.5	ND	ND	0.13	0.14	0.17	480		0.16	0.35

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.
* sample taken at product/water table interface (product between 10.8 and 13.7 feet below plant floor)

Table A2-1(b)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results – Former XCELLO Line

Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)
1	3	**1,100**	9	3	63	32	2 – 4	**10,000**
1	5	**140**	9	5	53	32	5 – 7	**13,000**
1A	6 – 8	ND	10	3	29	33	2 – 4	**4,300**
2	3	**140**	10	5	14	33	5 – 7	**3,900**
2	5	56	11	3	95	34	2 – 4	**1,700**
3	3	43	11	5	44	34	5 – 7	**2,300**
3	5	8.9	12	2	19	35	2 – 4	ND
3A	6 – 8	ND	12	3	13	35	5 – 7	ND
4	3	**6,100**	13	2	57	36	2 – 4	**3,700**
4	5	**8,300**	13	5	22	36	5 – 7	770
5	3	**3,700**	14	1.5	25	37	2 – 4	**2,600**
5	5	**7,600**	14	5	7.2	37	5 – 7	**4,400**
6	2	**3,400**	15	3	17	38	2 – 4	5.2
6A	6 – 8	**310**	15	5	27	38	5 – 7	**4,800**
6B	6 – 8	**4,300**	27	3 – 5	**220**	EW-2	5 – 7	6.6
7A	5 – 7	**7,900**	27	5 – 7	**3,000**	EW-2	12.5 – 14.5	6.4
7B	3	**15,000**	28	3 – 5	**1,100**	EW-3	5 – 7	4.8
7B	5	**9,200**	28	5 – 7	11	EW-3	12.5 – 14.5	4
7C	2	15	31	2 – 4	**7,600**	EW-4	5 – 7	ND
7C	5	13	31	5 - 7	**18,000**	EW-4	12.5 – 14.5	13
8	3	**280**						

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A2-1(c)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results – Former XCELLO and Sunstrand Lines

Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)
16	1.5	35	9	3.5-7	ND
16	2	11	39	12.5 – 14.5	23
17	3	9.1	40	5 – 7	ND
17	5	22	40	12.5 – 14.5	5.1
18	1	11	41	5 – 7	5
18	2.75	4.6	41	12.5 – 14.5	8.5
19	1	16	42	5 – 7	ND
19	3	18	42	12.5 – 14.5	**170**
20	--	--	43	5 – 7	ND
21	3	**9,700**	43	12.5 – 14.5	ND
21	5	**7,900**	44	5 – 7	6.4
22	2	56	44	12.5 – 14.5	ND
22	3	**120**			
23	1.5	71			
23	2	26			

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg in bold font.

Table A2-1(d)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results
Bioventing Soil Sample Results – Former XCELLO and Sunstrand Line

Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)
Samples Collected in October 1995			**Samples Collected in April 1997**		
Former Sunstrand Line					
21	3	**9,700**	21-1	3 - 5	**2,800**
	5	**7,900**			
	5 (Duplicate)	**9,000**			
Former XCELLO Line					
4	3	**6,100**	4-1	3 - 5	**2,000**
	5	**8,300**			
	5 (Duplicate)	**7,900**			
7B	3	**15,000**	7B-1	3 - 5	ND
	5	**9,200**			
	5 (Duplicate)	**13,000**			

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A2-1(e)
Soil Disposal Profile Sample Results (May 2010)
Pre-Remedial Soil Sample Results Former XCELLO and Sunstrand Line
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	Percent Solids	DRO (mg/kg)	Lead (mg/kg)	Flashpoint F°
F-1	4 - 6	98.6	6.9		
F-1	10 - 12	93.6	**16,000**		
F-2	4 - 6	98.2	6.5		
F-2	10 - 12	93.4	**11,000**	1.6	>210
F-3	4 - 6	98.1	4.0		
F-3	10 - 12	93.3	**17,000**		
F-4	4 - 6	90.0	3.2		
F-4	10 - 12	91.7	6.7		
F-5	4 - 6	98.2	2.7		
F-5	10 - 12	88.2	**300**		

DRO Concentrations reported in mg/kg

Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

PVOCs	F-2	F-4
Constituent	**10 - 12**	**10 - 12**
MTBE	<17	<17
Benzene	<24	<24
Toluene	**<50>**	<21
Ethylbenzene	<20	<20
m,p-Xylene	**<67>**	<25
o-Xylene	**<50>**	<21
1,3,5-Trimethybenzene	**<58>**	<21
1,2,4-Trimethybenzene	**150**	<25

Location	Depth (ft.)	VOCs	PAHs
F-1	10 - 12	all ND	all ND
F-4	10 - 12	all ND	all ND

Table A2-1(f)
November 2010 Pre-Remedial Soil Sample Results for
Area North of Xcello Line Excavation
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Sample	Depth (ft.)	Percent Solids	DRO (mg/kg)	PAHs (mg/kg)	Location
XC-1	10 - 12	84.8	<1.3	--	Boring on north side of sanitary sewer line (below the water table).
XC-2	2 - 4	90.0	**5,800**	--	Boring on south side of sanitary sewer line
XC-2	10 - 12	88.9	**14,000**	--	Boring on south side of sanitary sewer line (below the water table).

DRO concentrations reported in mg/kg.
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A2-2(a)
November 2010 Supplemental Investigation Soil Sample Results
Pre-Excavation for East Loading Dock Area
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	Percent Solids	Chloromethane (µg/kg)	cis-1,2-Dichloroethylene (µg/kg)	Isopropylbenzene (µg/kg)	Methylene Chloride (µg/kg)	Tetrachloroethene (PCE) (µg/kg)	Trichloroethene (TCE) (µg/kg)	Dichlorofluoromethane (DCDFM) (µg/kg)	Trichlorofluoromethane (TCFM) (µg/kg)	Toluene	1,2,4-Trimethylbenzene (1,2,4-TMB) (µg/kg)	Total Xylene (µg/kg)
Residential RSL			**120,000**	**160,000**	**-**	**11,000**	**550**	**2,800**	**180,000**	**790,000**	**5,000,000**	**62,000**	**630,000**
Industrial RSL			**500,000**	**2,000,000**	**-**	**53,000**	**2,600**	**14,000**	**780,000**	**3,400,000**	**45,000,000**	**260,000**	**2,700,000**
WDNR RCL			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**	**-**	**4,100**
WDNR SSL			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**38,000**	**83,000**	**42,000**
SB-127	2 - 4	91.2	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-127	8 - 10	86.7	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-128	2 - 4	91.2	<19>	<57>	<21	<62>	<16	2,600	<20	<81>	<23	<20	<22
SB-128	8 - 10	84.7	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-129	2 - 4	88.2	<15	<17	<21	<42	<16	420	<20	<26	<23	<20	<22
SB-129	8 - 10	85.2	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-130	2 - 4	94.5	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-130	8 - 10	86.6	<15	<17	<36>	<42	<16	<22	<20	<26	<23	<20	<22
SB-131	2 - 4	81.5	<26>	400	<21	<42	<16	**13,000**	<64>	860	<23	<20	<22
SB-131	8 - 10	87.6	<19>	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-132	2 - 4	94.5	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-132	8 - 10	82.4	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-133	2 - 4	94.2	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-133	8 - 10	85.8	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-134	2 - 4	87.0	<28>	<59>	<21	<65>	340	**20,000**	<20	500	<63>	<44>	167
SB-134	8 - 10	86.3	<20>	<17	<21	<63>	<16	130	<20	<26	<23	<20	<22
SB-135	2 - 4	94.6	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-135	8 - 10	81.5	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-136	2 - 4	93.0	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
SB-136	8 - 10	86.6	<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22
MeOH Blank			<15	<17	<21	<42	<16	<22	<20	<26	<23	<20	<22

All concentrations reported in µg/kg.

WDNR RCL Residual Contaminant Level per Wisconsin Administrative Code 720,
WDNR SSL Soil Screening Level per Wisconsin Administrative Code 746.
Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).

Concentrations exceeding the residential or industrial RSL are in bold font.

Table A2-2(b)
March 2011 Supplement Investigation
Pre-Excavation for East Loading Dock Area - Mobile Laboratory Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Constituent	Residential RSL	Industrial RSL	Units	SB-137	SB-137	SB-138	SB-138	SB-139	SB-139	SB-140	SB-140	SB-141	SB-141	SB-142	SB-142	SB-143	SB-143	SB-144	SB-144	SB-145	SB-145	SB-146	SB-146	SB-147	SB-147
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent Solids	80.8	86.2	93.4	84.3	93.7	84.4	85.6	83.9	82.8	84.4	93.6	83.6	83.3	83.0	94.5	87.2	86.3	83.0	89.4	85.1	--	81.1
1,1-Dichloroethane	3,300	17,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
1,2-Dichloroethane	430	2,200	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
Tetrachloroethene	550	2,600	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
Trichloroethene	2,800	14,000	ug/kg	**150**	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	**79**	<25	**540**	<25	--	<250
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250
Vinyl Chloride	60	1,700	ug/kg	<25	<230	<26	<27	<29	<28	<32	<28	<24	<25	<28	<23	<25	<25	<31	<27	<29	<25	<28	<25	--	<250

Constituent	Residential RSL	Industrial RSL	Units	SB-148	SB-148	SB-149	SB-149	SB-150	SB-150	SB-151	SB-151	SB-152	SB-152	SB-153	SB-153	SB-154	SB-154	SB-155	SB-155	SB-156	SB-156	SB-157	SB-157
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent Solids	--	--	--	--	--	--	87.8	84.1	--	91.1	85.8	78.6	92.2	84.5	--	87.0	91.0	77.4	85.5	92.7
1,1-Dichloroethane	3,300	17,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
1,2-Dichloroethane	430	2,200	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
1,1-Dichloroethene	240,000	1,100,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
Tetrachloroethene	550	2,600	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	**120**	<29	<29	<23	--	<25	<27	<27	<22	<25
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
1,1,2-Trichloroethane	1,100	5,300	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25
Trichloroethene	2,800	14,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	**83**	<29	<29	<23	--	<25	<27	<27	<22	<25
Trichlorofluoromethane	790,000	3,400,000	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	**47**	<29	<29	<23	--	<25	<27	<27	<22	<25
Vinyl Chloride	60	1,700	ug/kg	--	--	--	--	--	--	<26	<23	--	<30	<25	<29	<29	<23	--	<25	<27	<27	<22	<25

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).

Table A2-2(c)
March 2011 Supplement Investigation
Pre-Excavation for East Loading Dock Area - Off-site Laboratory Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Constituent	WDNR RCL	WDNR SSL	Residential RSL	Industrial RSL	Units	SB-137	SB-151	SB-153	SB-154
					Feet	6 - 8	6 - 8	6 - 8	6 - 8
					Percent	85.1	91.1	83.6	83.7
DRO	100	--	--	--	mg/kg	**9,300**	**290**	4.7	<1.3
n-Butylbenzene	--	--	--	--	ug/kg	<4,200>	<25	<25	<25
sec-Butylbenzene	--	--	--	--	ug/kg	<2,400>	<15	<15	<15
1,2-Dichloroethane	4.9	600	430	2,200	ug/kg	<1,400	<14	<14	<14
tran-1,2-Dichloroethene	--	--	150,000	2,000,000	ug/kg	<2,200	<27	<27	<27
cis-1,2-Dichloroethene	--	--	160,000	690,000	ug/kg	<2,700	<22	<22	<22
1,1-Dichloroethene	--	--	240,000	1,100,000	ug/kg	<3,600	<36	<36	<36
p-Isopropyltoluene	--	--	--	--	ug/kg	<2,100>	<17	<17	<17
n-Propylbenzene	--	--	--	--	ug/kg	<2,200>	<13	<13	<13
1,1,2,2-Tetrachloroethane	--	--	560	2,800	ug/kg	**12,000**	<16	<16	<16
Tetrachloroethene	--	--	550	2,600	ug/kg	<1,800	<18	150	<18
Toluene	1,500	38,000	5,000,000	45,000,00	ug/kg	<1,800	<26>	<18	<18
1,1,1-Trichloroethane	--	--	8,700,000	38,000,00	ug/kg	<2,300	<23	<23	<23
1,1,2-Trichloroethane	--	--	1,100	5,300	ug/kg	<2,300	<23	<38>	<23
Trichloroethene	--	--	2,800	14,000	ug/kg	<1,900	<19	140	<19
Trichlorofluoromethane	--	--	790,000	5,000,000	ug/kg	<4,800	<48	<48	<48
1,2,4-Trimtheylbenzene	--	83,000	62,000	260,000	ug/kg	10,000	<40>	<23	<23
1,3,5-Trimtheylbenzene	--	11,000	780,000	10,000,00	ug/kg	<3,600>	<13	<13	<13
Vinyl Chloride	--	--	60	1,700	ug/kg	<3,400	<34	<34	<34
4-methyl-2-pentanone	--	--	5,300	53,000	ug/kg	**51,000**	<26	<26	<26
4,4-Dimethyl-2-	--	--	--	--	ug/kg	26,000	<65	<65	<65

WDNR RCL — Residual Contaminant Level per Wisconsin Administrative Code 720,
WDNR SSL — Soil Screening Level per Wisconsin Administrative Code 746.
Residential RSL — USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL — USEPA Regional Screening Level for industrial land use (November 2010).

Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.
Concentrations exceeding the residential or industrial RSL are in bold font.

Table A2-3 (Page 1 of 2)
March 2011 Supplement Investigation
Northeast Corner of Former Building Area - Mobile Laboratory Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Constituent	Residential RSL	Industrial RSL	Units	B2	B2	C2	C2	D2	D2	E2	E2	F2	F2	G2	G2
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent	92.1	88.6	94.6	92.1	93.8	91.2	94.8	91.0	94.0	91.2	92.3	92.0
1,1-Dichloroethane	3,300	17,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
1,2-Dischloroethane	430	2,200	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
Tetrachloroethene	550	2,600	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
Trichloroethene	2,800	14,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29
Vinyl Chloride	60	1,700	ug/kg	<29	<27	<32	<28	<29	<28	<27	<30	<28	<26	<28	<29

Constituent	Residential RSL	Industrial RSL	Units	B3	B3	C3	C3	D3	D3	E3	E3	F3	F3	G3	G3
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent	92.5	85.2	92.6	92.7	--	--	94.6	92.2	94.3	92.5	89.5	87.4
1,1-Dichloroethane	3,300	17,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
1,2-Dischloroethane	430	2,200	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
Tetrachloroethene	550	2,600	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
Trichloroethene	2,800	14,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25
Vinyl Chloride	60	1,700	ug/kg	<28	<26	<27	<28	--	--	<29	<29	<28	<26	<25	<25

Constituent	Residential RSL	Industrial RSL	Units	B4	B4	C4	C4	D4	D4	E4	E4	F4	F4	G4	G4
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent	93.8	85.7	95.5	91.6	95.0	91.0	93.4	90.1	93.1	91.6	90.1	91.5
1,1-Dichloroethane	3,300	17,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
1,2-Dischloroethane	430	2,200	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
Tetrachloroethene	550	2,600	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
Trichloroethene	2,800	14,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26
Vinyl Chloride	60	1,700	ug/kg	<36	<26	<30	<28	<37	<27	<29	<31	<31	<28	<26	<26

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).

Table A2-3 (Page 2 of 2)
March 2011 Supplement Investigation
Northeast Corner of Former Building Area - Mobile Laboratory Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Constituent	Residential RSL	Industrial RSL	Units	B5	B5	C5	C5	D5	D5	E5	E5	F5	F5	G5	G5
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
			Percent	94.1	93.5	92.7	88.9	94.6	93.9	93.1	89.7	92.0	90.3	86.7	89.2
1,1-Dichloroethane	3,300	17,000	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
1,2-Dischloroethane	430	2,200	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
Tetrachloroethene	550	2,600	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24
Trichloroethene	2,800	14,000	ug/kg	<28	<28	<28	<28	<28	<27	**27**	<24	<28	<30	<29	<24
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<28	<28	**53**	<28	<28	<27	**80**	<24	<28	<30	<29	<24
Vinyl Chloride	60	1,700	ug/kg	<28	<28	<28	<28	<28	<27	<27	<24	<28	<30	<29	<24

Constituent	Residential RSL	Industrial RSL	Units	B6	B6	C6	C6	D6	D6	E6	E6	F6
			Feet	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4
			Percent	89.1	--	91.1	90.2	90.5	93.1	87.1	91.1	90.2
1,1-Dichloroethane	3,300	17,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
1,2-Dischloroethane	430	2,200	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
tran-1,2-Dichloroethene	150,000	2,000,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
cis-1,2-Dichloroethene	160,000	2,000,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
1,1-Dichloroethene	240,000	1,100,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
Tetrachloroethene	550	2,600	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
1,1,1-Trichloroethane	8,700,000	38,000,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
1,1,2-Trichloroethane	1,100	5,300	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
Trichloroethene	2,800	14,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
Trichlorofluoromethane	790,000	3,400,000	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28
Vinyl Chloride	60	1,700	ug/kg	<27	--	<28	<29	<33	<26	<26	<28	<28

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).

Table A3-1 (Page 1 of 4)
May 2010 Field Screening and SVE system Confirmation Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	PID	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)	Trichlorofluoromethane (ug/kg)	Methyl ethyl Ketone (ug/kg)
Residential RSL			**2,800**	**550**	**790.000**	**28,000,000**
Industrial RSL			**14,000**	**2,600**	**3,400,000**	**200,000,000**
SB-101	2 - 4	0.8				
SB-101	**4 - 6**	0.9	**230**	**160**	<48	**<79>**
SB-101	6 - 8	0.8				
SB-101	8 - 10	0.3				
SB-101	**10 - 12**	0.7	**<55>**	**<61>**	<48	**<82>**
SB-102	**2 - 4**	0.4	**<41>**	<18	<48	**<92>**
SB-102	4 - 6	0.2				
SB-102	6 - 8	0.2				
SB-102	**8 - 10**	0.8	<19	<18	<48	**<94>**
SB-102	10 - 12	0.5				
SB-103	2 - 4	0.1				
SB-103	**4 - 6**	0.2	<22	<16	<26	<100
SB-103	6 - 8	0.1				
SB-103	8 - 10	0.2				
SB-103	**10 - 12**	0.6	<22	<16	<26	<100
SB-104	2 - 4	0.1				
SB-104	**4 - 6**	0.3	<22	<16	<26	<100
SB-104	6 - 8	0.2				
SB-104	**8 - 10**	0.5	**150**	<16	<26	<100
SB-104	10 - 12	0.6				
SB-105	2 - 4	1.6				
SB-105	4 - 6	2.9				
SB-105	**6 - 8**	4.5	<19	<18	<48	**<96>**
SB-105	8 - 10	5.0				
SB-105	**10 - 12**	5.2	<19	<18	<48	**<95>**
SB-106	2 - 4	0.2				
SB-106	**4 - 6**	14.3	<19	<18	<48	**<96>**
SB-106	6 - 8	13.1				
SB-106	8 - 10	18.8				
SB-106	**10 - 12**	20.6	<19	<18	<48	**<87>**
SB-107	2 - 4	2.2				
SB-107	**4 - 6**	4.5	<19	<18	<48	**<95>**
SB-107	6 - 8	4.4				
SB-107	8 - 10	3.5				
SB-107	**10 - 12**	4.0	<19	<18	<48	**<94>**

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).
Concentrations exceeding the residential or industrial RSL are in bold font.

Table A3-1 (Page 2 of 4)
May 2010 Field Screening and Confirmation Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	PID	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)	Trichlorofluoromethane (ug/kg)	Methyl ethyl Ketone (ug/kg)
Residential RSL			**2,800**	**550**	**790.000**	**28,000,000**
Industrial RSL			**14,000**	**2,600**	**3,400,000**	**200,000,000**
SB-108	2 - 4	0.6				
SB-108	4 - 6	0.5	<19	<18	<48	<91>
SB-108	6 - 8	0.3				
SB-108	8 - 10	0.2				
SB-108	**10 - 12**	0.9	<19	<18	<48	<94>
SB-109	2 - 4	0.3				
SB-109	4 - 6	0.5				
SB-109	**6 - 8**	0.5	<19	<18	<48	<100>
SB-109	8 - 10	0.5				
SB-109	**10 - 12**	0.7	<19	<18	<48	<110>
SB-110	2 - 4	1.9				
SB-110	**4 - 6**	2.8	<19	<18	<48	<77>
SB-110	6 - 8	3.3				
SB-110	8 - 10	4.0				
SB-110	**10 - 12**	4.5	<19	<18	<48	<73>
SB-111	2 - 4	0.3				
SB-111	4 - 6	0.5				
SB-111	**6 - 8**	0.6	<19	<18	<48	<140>
SB-111	8 - 10	0.5				
SB-111	**10 - 12**	0.8	<19	<18	<48	<86>
SB-112	**2 - 4**	2.1	**3,200**	<35	<97	<230>
SB-112	4 - 6	1.8				
SB-112	6 - 8	2.5				
SB-112	**8 - 10**	2.3	<19	<18	<48	<20
SB-112	10 - 12	2.2				
SB-113	2 - 4	0.4				
SB-113	4 - 6	0.8				
SB-113	**6 - 8**	0.8	<22	<16	<26	<100
SB-113	8 - 10	0.5				
SB-113	**10 - 12**	0.6	<22	<16	<26	<100
SB-114	2 - 4	0.2				
SB-114	4 - 6	0.3				
SB-114	**6 - 8**	0.5	<19	<18	<48	<81>
SB-114	8 - 10	0.4				
SB-114	**10 - 12**	0.2	<19	<18	<66>	<80>

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).
Concentrations exceeding the residential or industrial RSL are in bold font.

Table A3-1 (Page 3 of 4)
May 2010 Field Screening and Confirmation Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	PID	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)	Trichlorofluoromethane (ug/kg)	Methyl ethyl Ketone (ug/kg)
Residential RSL			**2,800**	**550**	**790.000**	**28,000,000**
Industrial RSL			**14,000**	**2,600**	**3,400,000**	**200,000,000**
SB-115	2 - 4	17.7				
SB-115	4 - 6	16.7				
SB-115	6 - 8	16.3				
SB-115	8 - 10	15.6				
SB-115	**10 - 12**	21.2	<19	<18	<48	<96>
SB-116	**2 - 4**	336.0	<19	<18	<48	<100>
SB-116	4 - 6	144.0				
SB-116	6 - 8	300.0				
SB-116	**8 - 10**	284.0	67	<18	<100>	<130>
SB-116	10 - 12	63.3				
SB-117	2 - 4	13.1				
SB-117	**4 - 6**	22.5	<19	<18	<48	<74>
SB-117	6 - 8	27.4				
SB-117	8 - 10	24.8				
SB-117	**10 - 12**	32.0	<19	<18	<48	<170>
SB-118	2 - 4	0.3				
SB-118	4 - 6	0.4				
SB-118	**6 - 8**	1.1	<22	<16	<26	<100
SB-118	8 - 10	0.5				
SB-118	**10 - 12**	0.2	<22	<16	<26	<100
SB-119	**2 - 4**	0.6	<22	<16	<26	<100
SB-119	4 - 6	0.3				
SB-119	6 - 8	0.7				
SB-119	8 - 10	0.4				
SB-119	**10 - 12**	1.1	<19	<18	<48	<86>
SB-120	2 - 4	14.3				
SB-120	4 - 6	11.2				
SB-120	6 - 8	11.8				
SB-120	**8 - 10**	14.4	<19	<18	<48	<94>
SB-120	10 - 12	11.4				

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).
Concentrations exceeding the residential or industrial RSL are in bold font.

Table A3-1 (Page 4 of 4)
May 2010 Field Screening and Confirmation Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	PID	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)	Trichlorofluoromethane (ug/kg)	Methyl ethyl Ketone (ug/kg)
Residential RSL			**2,800**	**550**	**790.000**	**28,000,000**
Industrial RSL			**14,000**	**2,600**	**3,400,000**	**200,000,000**
SB-121	**2 - 4**	44.1	<19	<18	<48	<75>
SB-121	4 - 6	38.5				
SB-121	**6 - 8**	49.2	<19	<18	<48	<91>
SB-121	8 - 10	28.9				
SB-121	10 - 12	27.4				
SB-122	2 - 4	0.2				
SB-122	**4 - 6**	0.5	<19	<18	<48	<87>
SB-122	**6 - 8**	0.5	<19	<18	<48	<91>
SB-122	8 - 10	0.6				
SB-122	10 - 12	0.9				
SB-123	2 - 4	0.3				
SB-123	**4 - 6**	0.6	<19	<18	<48	<88>
SB-123	6 - 8	0.2				
SB-123	8 - 10	0.4				
SB-122	**10 - 12**	0.7	<19	<18	<48	<98>
SB-124	**2 - 4**	0.7	<19	<18	<48	<84>
SB-124	4 - 6	0.6				
SB-124	6 - 8	0.1				
SB-124	**8 - 10**	0.4	<19	<18	<48	<91>
SB-124	10 - 12	0.4				
SB-125	2 - 4	2.6				
SB-125	**4 - 6**	3.4	<19	<18	<48	<77>
SB-125	6 - 8	4.6				
SB-125	8 - 10	5.5				
SB-125	**10 - 12**	7.1	<19	<18	<48	<87>
SB-126	2 - 4	4.0				
SB-126	4 - 6	4.6				
SB-126	6 - 8	5.5				
SB-126	8 - 10	8.0				
SB-126	10 - 12	8.5				
MeOH Blank			<19	<18	<48	<93>

Residential RSL USEPA Regional Screening Level for residential land use (November 2010).
Industrial RSL USEPA Regional Screening Level for industrial land use (November 2010).
Concentrations exceeding the residential or industrial RSL are in bold font.

Table A3-2 (Page 1 of 2)
Post Remedial Confirmation Soil Sample Results for former
XCELLO and Sunstand Line Areas
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Sample	Depth (ft.)	Percent Solids	DRO (mg/kg)	PAHs (mg/kg)	Location
Xcello Line Excavation - Sidewall Samples					
XC-1	10 - 12	84.8	<1.3	--	Boring on north side of sanitary sewer line
XC-2	2 - 4	90.0	**5,800**	--	Boring on south side of sanitary sewer line
XC-2	10 - 12	88.9	**14,000**	--	Boring on south side of sanitary sewer line
SW-1	5	95.2	<1.3	--	South side of Bay N18/19N excavation
SW-2	5	94.9	<1.3	--	West side of Bay N18/19N excavation
SW-3	5 - 6	96.4	<1.3	--	North side of Bay N18/19N excavation
SW-4	8 - 9	88.5	<1.3	--	North side of Xcello excavation
SW-5	8 - 9	91.0	6.8	--	North side of Xcello excavation
SW-6	9 - 10	80.6	<1.3	--	Northeast corner of Xcello excavation
SW-7	8 - 9	86.7	61	--	East side of Bay N18/19N excavation
SW-8	9 - 10	84.7	6.4	--	East side of Xcello excavation
SW-9	9 - 10	81.8	<1.3	--	East side of Xcello excavation
SW-10	10 - 11	84.1	<1.3>	--	West side of Xcello excavation
SW-11	10 - 11	66.3	<1.3	--	East side of Xcello excavation
SW-12	10 - 11	84.9	<1.3	--	East side of Xcello excavation
SW-13	10 - 11	87.6	**4,100**	--	South side of Xcello excavation
SW-14	9 - 10	90.1	40	--	South side of Xcello excavation
SW-15	9 - 10	85.2	<1.3	--	South side of Xcello excavation
SW-16	9 - 10	88.6	<1.3	--	South side of Xcello excavation
SW-17	9 - 10	87.7	<1.3	--	West side of Xcello excavation
SW-18	9 - 10	86.9	<1.3	--	West side of Xcello excavation
SW-19	9 - 10	87.7	<1.3	--	West side of Xcello excavation
Xcello Line Excavation - Base Samples					
B-1	5 - 6	96.0	69	All ND	East side of Bay N18/19N excavation
B-2	14	86.8	**4,200**	All ND	North end of Xcello excavation
B-3	14	87.4	<1.3	All ND	Center - north end of Xcello excavation
B-4	14	84.2	<1.3	All ND	Center - south end of Xcello excavation
B-5	14	84.7	<1.3	All ND	South end of Xcello excavation

DRO Concentrations reported in mg/kg.
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A3-2 (Page 2 of 2)
Confirmation Soil Sample Results
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Sample	Depth (ft.)	Percent Solids	DRO (mg/kg)	Location
Stockpile Soil Samples				
SP1	--	95.4	**170**	Returned to excavation (below four feet)
SP2	--	95.5	90	
SP3	--	94.8	**290**	
SP4	--	94.7	78	
SP5	--	95.8	**260**	
SP6	--	96.4	**350**	
SP7	--	96.4	**290**	
Sunstrand Area Excavation				
SUN-1	10 - 11	88.3	<1.3>	North side of excavation
SUN-2	10 - 11	88.8	17	East side of excavation
SUN-3	14	86.1	**970**	Center bottom of excavation
SUN-4	10 - 11	85.6	4.9	West side of excavation
SUN-5	10 - 11	89.7	<1.3	South side of excavation
Concrete Vault Excavation				
V-1	8	89.5	**1,900**	North side of excavation
V-2	6 - 7	92.9	<1.3	East side of excavation
V-3	6 - 7	92.0	<1.3	West side of excavation
V-4	8	87.4	<1.3	South side of excavation
R & B Line Area Excavation				
RB-1	4 - 6	95.5	<1.3	North side west end of excavation
RB-2	6 - 7	87.1	<1.3	North side center of excavation
RB-3	6 - 7	87.8	<1.3	North side east end of excavation
RB-4	8	93.1	<1.3	West side of excavation
RB-5	6 - 8	85.8	<1.3	East side of excavation
RB-6	4 - 6	95.4	**5.9**	South side west end of excavation
RB-7	4 - 5	93.6	<1.3	South side center of excavation
RB-8	4 - 6	93.4	<1.3	South side east end of excavation
RB-9	8	89.9	<1.3	Center-west, bottom of excavation
RB-10	8	89.7	<1.3	Center-east, bottom of excavation
RB-11	8	91.0	<1.3	East side, bottom of excavation
RB-12	8	82.1	<1.3	West side, bottom of excavation

DRO Concentrations reported in mg/kg.
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A4-1(a)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results Exceeding the RCL – Bay N/18 & N/19 Area (Adjacent to XCELLO Line)

Sample Location	Sample Depth (ft)	DRO (ppm)	Methyl t-Butyl Ether	Benzene	Toluene	Ethylbenzene	m/p Xylene	o-Xylene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
2	1	**13,000**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2	2	**10,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
2	3	**3,600**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.072
3	1	**5,200**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.040	<0.025
3	2	**3,700**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.11	0.075
3	3	**2,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	1	**7,300**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	2	**7,300**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
4	3	**9,000**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
5	1	**12,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5	2	**12,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.032	0.054
5	3	**15,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	1	**15,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	2	**13,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
6	3	**12,000**	<0.025	<0.025	<0.025	0.096	<0.025	0.035	0.071	0.18
7	1	**18,000**	<0.025	<0.025	0.11	<0.025	<0.025	<0.025	<0.025	<0.025
7	2	**22,000**	<0.025	<0.025	0.13	<0.025	<0.025	<0.025	<0.025	<0.025
7	3	**26,000**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	1	**170**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	2	**120**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
8	3	**180**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
9	1	**14,000**	<0.025	<0.025	<0.025	0.13	0.10	0.084	0.036	0.061
10	1	**140**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.
* sample taken at product/water table interface (product between 10.8 and 13.7 feet below plant floor)

Table A4-1(b)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results Exceeding the RCL – Former XCELLO Line

Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)
1	3	**1,100**	32	2 – 4	**10,000**
1	5	**140**	32	5 – 7	**13,000**
2	3	**140**	33	2 – 4	**4,300**
4	3	**6,100**	33	5 – 7	**3,900**
4	5	**8,300**	34	2 – 4	**1,700**
5	3	**3,700**	34	5 – 7	**2,300**
5	5	**7,600**	35	2 – 4	ND
6	2	**3,400**	35	5 – 7	ND
6A	6 – 8	**310**	36	2 – 4	**3,700**
6B	6 – 8	**4,300**	36	5 – 7	**770**
7A	5 – 7	**7,900**	37	2 – 4	**2,600**
7B	3	**15,000**	37	5 – 7	**4,400**
7B	5	**9,200**	38	5 – 7	**4,800**
8	3	**280**	21	3	**9,700**
27	3 – 5	**220**	21	5	**7,900**
27	5 – 7	**3,000**	22	3	**120**
28	3 – 5	**1,100**	42	12.5 – 14.5	**170**
31	2 – 4	**7,600**	--	--	--
31	5 - 7	**18,000**	--	--	--

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A4-1(c)
Former Trane Plant 6 facility
Pre-Remedial Soil Sample Results Exceeding the RCL
Bioventing Soil Sample– Former XCELLO and Sunstrand Line

Sample Location	Sample Depth (ft.)	DRO (mg/kg)	Sample Location	Sample Depth (ft.)	DRO (mg/kg)
Samples Collected in October 1995			**Samples Collected in April 1997**		
Former Sunstrand Line					
21	3	**9,700**	21-1	3 - 5	**2,800**
	5	**7,900**			
	5 (Duplicate)	**9,000**			
Former XCELLO Line					
4	3	**6,100**	4-1	3 - 5	**2,000**
	5	**8,300**			
	5 (Duplicate)	**7,900**			
7B	3	**15,000**	7B-1	3 - 5	ND
	5	**9,200**			
	5 (Duplicate)	**13,000**			

DRO Concentrations reported in mg/kg
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A4-1(d)
Soil Disposal Profile Sample Results (May 2010)
Pre-Remedial Soil Sample Results Exceeding the RCL
Former XCELLO and Sunstrand Line
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Location	Depth (ft.)	Percent Solids	DRO (mg/kg)	Lead (mg/kg)	Flashpoint F^{o}
F-1	10 - 12	93.6	**16,000**		
F-2	10 - 12	93.4	**11,000**	1.6	>210
F-3	10 - 12	93.3	**17,000**		
F-5	10 - 12	88.2	**300**		

DRO Concentrations reported in mg/kg

Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A4-2
Post Remedial Confirmation Soil Sample Results Exceeding the RCL
Former XCELLO and Sunstand Line Areas
Former Trane Plant 6 Facility, La Crosse, Wisconsin

Sample	Depth (ft.)	Percent Solids	DRO (mg/kg)	PAHs (mg/kg)	Location
Xcello Line Excavation - Sidewall Samples					
XC-2	2 - 4	90.0	**5,800**	--	Boring on south side of sanitary sewer line
XC-2	10 - 12	88.9	**14,000**	--	Boring on south side of sanitary sewer line
SW-13	10 - 11	87.6	**4,100**	--	South side of Xcello excavation
Xcello Line Excavation - Base Samples					
B-2	14	86.8	**4,200**	All ND	North end of Xcello excavation
Stockpile Soil Samples					
SP1	--	95.4	**170**	--	Returned to excavation (below four feet)
SP2	--	95.5	90	--	
SP3	--	94.8	**290**	--	
SP4	--	94.7	78	--	
SP5	--	95.8	**260**	--	
SP6	--	96.4	**350**	--	
SP7	--	96.4	**290**	--	
Sunstrand Area Excavation					
SUN-3	14	86.1	**970**	--	Center bottom of excavation
Concrete Vault Excavation					
V-1	8	89.5	**1,900**	--	North side of excavation

DRO Concentrations reported in mg/kg.
Concentrations exceeding Wisconsin Administrative Code 720.09(4)(a)(1) generic Residual Contaminant Level of 100 mg/kg are in bold font.

Table A4-3 (Page 1 of 2)
Former Trane Plant 6 Facility - Pre/Post Remedial Soil Sample Results
Fill Material beneath Asphalt Pavement at West Parking Lot Area

Constituent	Units	B-2 8-10 ft.	#1-P	Non-Industrial RCL	Industrial RCL	Soil to Groundwater RCL[1]
VOCs						
Benzene	µg/kg	<30	--	1,490	7,410	NA
Ethylbenzene	µg/kg	<30	--	7,470	37,000	NA
Methly-tert-Butyl Ether	µg/kg	<30	--	59,400	293,000	NA
Naphthalene	µg/kg	83	--	5,150	26,000	NA
Toluene	µg/kg	<30	--	818,000	818,000	NA
1,2,4-Trimethylbenzene	µg/kg	2,000	--	89,800	219,000	NA
1,3,5-Trimethylbenzene	µg/kg	880	--	182,000	182,000	
Xylenes, total	µg/kg	<100	--	258,000	258,000	NA
Percent Solids		84	87	--	--	NA
PAHs						
Acenaphthene	µg/kg	--	1,800	3,440,000	33,000,000	--
Acenaphthylene	µg/kg	--	<2,400	--	--	--
Anthracene	µg/kg	--	650	17,200,000	100,000,000	196,744
Benzo(a)anthracene	µg/kg	--	1,800	148	2,110	--
Benzo(b)fluoranthene	µg/kg	--	**880**	148	2,110	480
Benzo(k)fluoranthene	µg/kg	--	230	1,480	21,100	--
Benzo(a)pyrene	µg/kg	--	*330*	15	211	470
Benzo (g,h,i) perylene	µg/kg	--	660	--	--	--
Chrysene	µg/kg	--	**2,500**	14,800	211,000	145.1
Dibenzo(a,h)anthracene	µg/kg	--	*900*	15	211	--
Fluoranthene	µg/kg	--	14,000	2,290,000	22,000,000	88,817.9
Fluorene	µg/kg	--	3,800	2,290,000	22,000,000	14,814.8
Indeno(1,2,3-c,d) pyrene	µg/kg	--	810	148	2,110	--
1-Methylnaphthalene	µg/kg	--	5,400	15,600	53,100	--
2-Methylnaphthalene	µg/kg	--	5,700	229,000	2,200,000	--
Naphthalene	µg/kg	--	**4,900**	5,150	26,000	658.7
Phenanthrene	µg/kg	--	5,500	--	--	--
Pyrene	µg/kg	--	18,000	1,720,000	16,500,000	54,472.5
Metals						
Arsenic	mg/kg	--	***4.1***	0.614	2.39	0.584
Barium	mg/kg	--	8.7	15,300	100,000	164.8
Cadmium	mg/kg	--	0.13	70	799	0.752
Chromium	mg/kg	--	**1.1**	0.293[2]	5.58[2]	360,000
Lead	mg/kg	--	14	400	800	27
Mercury	mg/kg	--	0.066	3.13	3.13	0.208
Selenium	mg/kg	--	<4.6	391	5,110	0.52
Silver	mg/kg	--	<0.13	391	5,110	0.8497

Notes: RCL - Residual Contaminant Level
1- Soil to groundwater RCL assumes dilution attenuation factor (DAF) of 2.
2- Chromium IV
Concentrations exceeding soil to groundwater RCLs are in bold font.
Concentrations exceeding industrial RCLs are in italics.

Table A4-3 (Page 2 of 2)
Former Trane Plant 6 Facility - Pre/Post Remedial Soil Sample Results
May 2010 Field Screening and SVE system Confirmation Soil Sample Results

Constituent	Units	SB-101 4-6 ft.	SB-102 2-4 ft.	E5 2-4 ft.	Non-Industrial RCL	Industrial RCL	Soil to Groundwater RCL[1]
VOCs							
Tetrachloroethene	µg/kg	**160**	<18	<27	30,700	153,000	4.5
Tricholroethene	µg/kg	**230**	**41**	**27**	644	8,810	3.6

Notes:

RCL - Residual Contaminant Level
1- Soil to groundwater RCL assumes dilution attenuation factor (DAF) of 2.
Concentrations exceeding soil to groundwater RCLs are in bold font.
Concentrations exceeding industrial RCLs are in italics.

Table A5 – Vapor Analytical Table

This table not included - No vapor analytical data was collected to evaluate the vapor intrusion pathway because there are currently no site buildings near areas with residual soil and groundwater contamination.

Table A6 – Other Media of Concern (e.g. sediment or surface water)

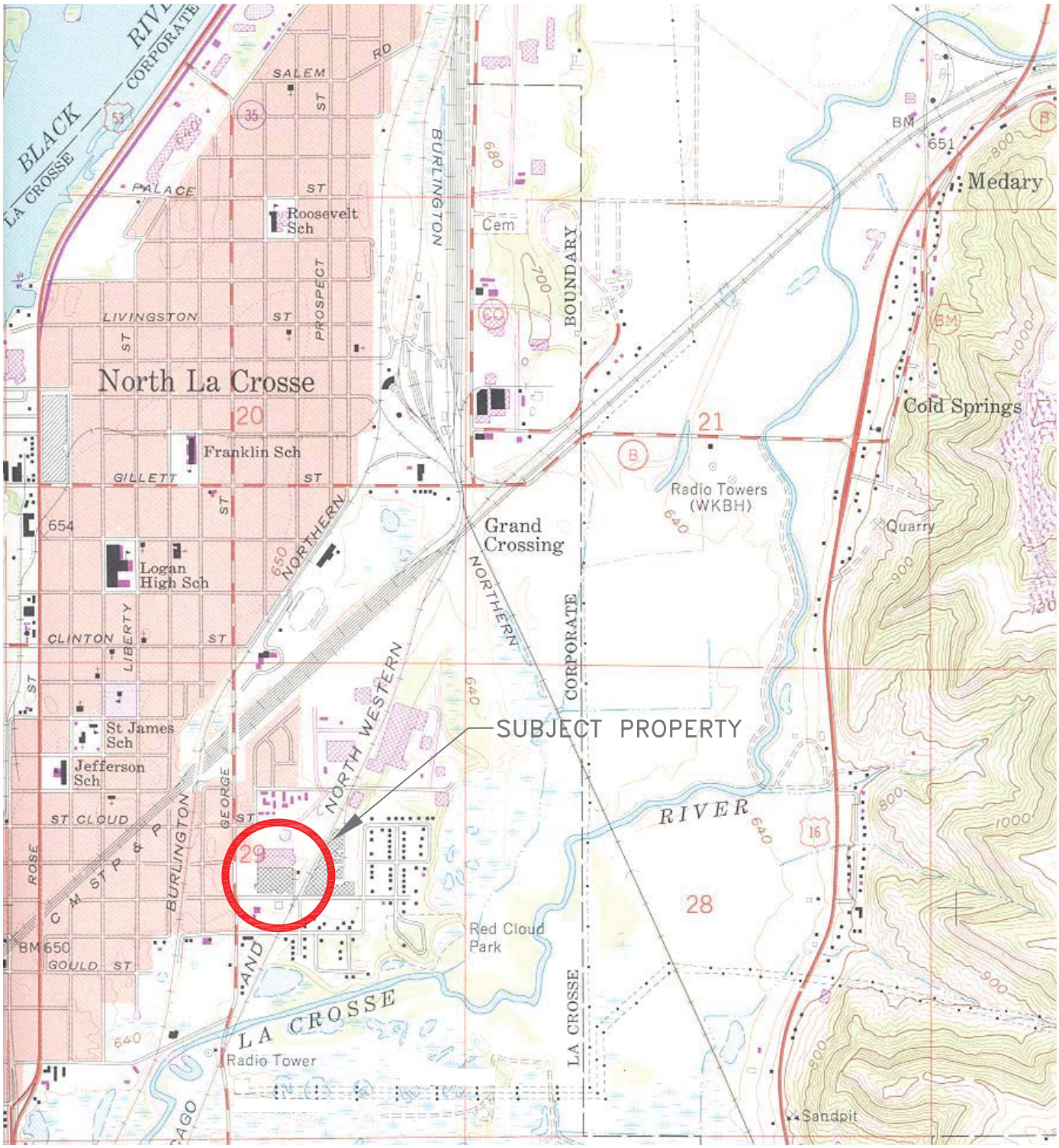
This table not included - No sediment or surface water data was collected because no sediment or surface water is impacted by the site.

Table A7
Trane Plant 6
Groundwater Elevation Data

Well Location	Reference Elevation	15-Nov-99 Depth to Water	15-May-00 Depth to Water	1-Nov-00 Depth to Water	6-Aug-02 Depth to Water	18-Feb-03 Depth to Water	18-May-03 Depth to Water	26-Aug-03 Depth to Water	18-Nov-03 Depth to Water	5/24/2004 Depth to Water	11/3/2004 Depth to Water	5/25/2005 Depth to Water	11/8/2005 Depth to Water	5/22/2006 Depth to Water	11/29/2006 Depth to Water	5/29/2007 Depth to Water	11/14/2007 Depth to Water	5/28/2008 Depth to Water	11/12/2008 Depth to Water	5/20/2009 Depth to Water	11/4/2009 Depth to Water	5/13/2010 Depth to Water	11/30/2010 Depth to Water	5/16/2011 Depth to Water	11/10/2011 Depth to Water	5/24/2012 Depth to Water	11/8/2012 Depth to Water
MW-1	646.47	13.21	13.55	14.23	12.28	13.49	11.42	13.66	14.29	--	12.49	11.77	12.88	10.92	14.09	12.03	11.56	10.37	13.04	11.65	12.75	11.66	10.46	9.29	12.15	11.81	13.53
MW-2	644.30	10.94	11.31	11.94	9.94	11.18	9.14	11.28	11.95	9.60	10.14	9.38	10.49	8.51	11.69	9.55	9.13	7.90	10.60	9.19	10.29	9.20	8.00	6.79	9.70	9.32	11.04
MW-6	643.85	10.75	11.02	11.65	9.74	10.96	8.80	11.07	11.71	9.36	9.91	9.14	10.25	8.21	11.45	9.41	8.91	7.66	10.43	9.03	10.10	8.86	cut PVC	cut PVC	cut PVC	cut PVC	cut PVC
MW-6 cut																							7.03	5.81	8.81	8.32	10.10
MW-7	642.52	9.38	9.65	10.31	8.38	9.59	7.45	9.72	10.35	8.04	8.55	7.79	8.94	6.90	10.11	8.04	7.60	6.35	9.05	7.68	8.72	7.45	6.44	5.24	8.20	7.74	9.46
MW-7A	642.68	9.52	9.78	10.48	8.50	9.73	7.60	9.87	10.51	8.14	8.69	9.94	9.04	7.06	10.26	8.19	7.75	6.50	9.21	7.83	8.89	7.61	6.60	5.40	8.35	7.88	9.63
MW-8	643.52	10.31	10.57	11.25	9.31	10.51	8.40	10.66	11.29	8.95	9.45	8.72	9.84	7.84	11.48	8.95	8.51	7.28	9.95	8.48	9.64	8.38	7.34	6.15	9.06	8.65	10.37
MW-8A	643.97	10.75	11.01	11.70	9.75	10.95	8.85	11.11	11.73	9.38	9.90	9.16	10.29	8.29	11.02	9.41	8.95	7.72	10.40	9.03	10.08	8.83	7.79	6.60	9.51	9.10	10.83
MW-9	640.94	7.62	7.96	8.65	6.68	7.86	5.83	7.99	8.66	6.32	6.85	6.11	7.21	5.21	8.40	6.30	5.84	4.62	7.32	5.90	6.99	5.91	abandoned	abandoned	abandoned	abandoned	abandoned
MW-9R																							7.15	5.96	8.81	8.40	10.12
MW-10	644.51	11.22	11.53	12.22	10.28	11.47	9.31	11.66	12.27	9.84	10.43	9.00	10.82	8.82	12.01	9.94	9.49	8.24	10.94	9.52	10.62	9.53	abandoned	abandoned	abandoned	abandoned	abandoned
MW-10R																							10.22	9.02	11.95	11.52	13.26
MW-11	644.18	11.03	11.25	11.94	10.08	11.25	9.04	11.40	12.05	9.62	10.25	9.71	10.60	8.57	11.74	9.74	9.28	7.98	10.75	9.32	10.45	9.30	abandoned	abandoned	abandoned	abandoned	abandoned
MW-11R																							9.85	8.66	11.62	11.10	12.88
MW-12*	644.12	10.91	11.14	11.64	9.88	11.15	9.03	11.17	11.93	9.69	10.13	9.35	10.42	8.47	11.66	9.76	9.36	7.89	10.69	9.24	10.35	9.03	cut PVC	cut PVC	cut PVC	cut PVC	cut PVC
MW-12 cut																							7.62	6.39	9.43	8.85	10.64
MW-13*	641.93	8.83	9.08	9.59	7.73	--	6.91	9.67	9.77	7.47	8.03	7.21	8.29	6.29	9.52	7.45	7.06	5.74	8.56	7.14	8.20	6.91	5.90	4.50	7.72	7.15	8.92
MW-15	644.21	11.04	11.34	11.92	10.04	--	--	11.36	12.05	--	--	9.48	10.59	8.57	11.80	9.76	9.31	8.02	10.78	9.34	10.48	9.27	abandoned	abandoned	abandoned	abandoned	abandoned
MW-19	644.38	11.14	11.43	11.92	10.09	11.38	9.23	--	12.18	9.75	10.39	9.59	10.73	8.69	11.91	9.79	9.39	8.11	10.88	9.42	10.56	9.38	abandoned	abandoned	abandoned	abandoned	abandoned
MW-20	641.78	--	8.95	9.57	7.68	8.95	6.72	8.99	9.66	7.40	7.86	7.06	8.22	6.18	9.41	7.33	6.92	5.61	8.39	6.99	8.06	6.77	5.75	4.52	7.55	7.00	8.81
MW-20A	641.72	--	8.91	9.54	7.60	8.87	6.61	8.94	9.61	7.31	7.83	6.99	8.15	6.13	9.36	7.31	9.90	5.58	8.41	6.97	8.02	6.85	5.73	4.51	7.52	6.96	8.75
MW-21	641.87	--	9.23	9.85	7.83	9.16	6.87	9.19	9.86	7.64	8.18	7.29	8.37	6.37	9.62	7.61	7.20	5.88	8.68	7.22	8.29	7.04	6.02	4.84	7.86	7.21	9.04
MW-22	642.48	--	8.68	9.33	7.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22*	642.30	--	--	--	--	--	7.25	9.61	10.22	7.88	8.43	7.65	8.76	6.76	9.93	7.92	7.43	6.22	8.90	7.49	8.58	7.36	6.30	5.11	8.01	7.58	9.34
MW-24	641.18	--	--	--	7.80	9.09	6.26	9.13	9.65	7.45	8.15	7.12	8.22	6.09	9.40	7.61	7.22	5.80	8.70	7.24	8.20	7.15	6.08	4.75	8.00	7.09	8.96
MW-24A	641.13	--	--	--	7.74	9.05	6.21	9.11	9.61	7.41	8.10	7.08	8.19	6.05	9.40	7.68	7.19	5.77	8.64	7.20	8.14	7.11	6.03	4.70	7.97	7.05	8.93
MW-25	640.22	--	--	--	6.82	7.99	5.21	8.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25R		--	--	--	--	--	--	--	--	6.05	6.79	5.82	6.40	4.89	8.15	6.39	5.88	4.56	7.29	5.89	6.84	5.78	4.71	3.50	6.54	5.81	7.64
MW-25A	639.95	--	--	--	6.55	7.74	4.95	7.92	8.39	6.05	6.78	5.82	6.95	4.89	8.15	6.39	5.88	4.55	7.29	5.88	6.86	5.76	4.71	3.49	6.55	5.79	7.65
MW-26	639.83	--	--	--	6.10	7.34	4.90	7.41	8.02	5.69	6.37	5.47	6.54	4.54	7.78	5.88	5.42	4.11	6.89	5.42	6.47	5.29	4.24	3.13	6.09	5.39	7.22
MW-26A	639.85	--	--	--	6.08	7.36	4.91	7.43	8.04	5.71	6.40	5.49	6.56	4.56	7.81	5.90	5.45	4.14	6.91	5.45	6.49	5.30	4.28	3.14	6.12	5.41	7.24
MW-1KT*	643.16	10.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2KT*	643.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3KT*	645.85	12.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4KT	643.36	10.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1M*	643.70	10.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2M*	642.38	9.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3M*	643.50	10.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4M*	643.78	10.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5M*	643.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6M*	643.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7M*	643.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8M*	643.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1Z*	643.75	10.95	11.19	11.85	9.97	--	--	--	--	--	10.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1PZ*	643.40	10.61	10.85	11.50	9.61	10.75	9.34	11.02	11.52	9.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2Z*	643.09	10.32	10.56	11.22	9.35	--	--	10.74	11.25	--	9.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2PZ*	643.79	11.02	11.27	11.93	10.04	11.19	8.71	11.41	11.92	9.56	9.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3Z*	644.15	11.37	11.59	12.27	10.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4Z	--	10.34	10.80	11.26	9.38	10.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5AZ*	643.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7Z*	643.06	10.25	10.51	11.20	9.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8Z*	644.45	11.70	11.92	12.55	10.71	11.92	9.40	12.15	12.71	10.28	10.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A7
Trane Plant 6
Groundwater Elevation Data

Well Location	Reference Elevation	15-Nov-99 Groundwater Elevation	15-May-99 Groundwater Elevation	1-Nov-00 Groundwater Elevation	6-Aug-02 Groundwater Elevation	18-Feb-03 Groundwater Elevation	18-May-03 Groundwater Elevation	26-Aug-03 Groundwater Elevation	10-Nov-03 Groundwater Elevation	5/24/2004 Groundwater Elevation	11/3/2004 Groundwater Elevation	5/25/2005 Groundwater Elevation	11/08/205 Groundwater Elevation	5/22/2006 Groundwater Elevation	11/29/2006 Groundwater Elevation	5/29/2007 Groundwater Elevation	11/14/2007 Groundwater Elevation	5/28/2008 Groundwater Elevation	11/12/2008 Groundwater Elevation	5/20/2009 Groundwater Elevation	11/4/2009 Groundwater Elevation	5/13/2010 Groundwater Elevation	11/30/2010 Groundwater Elevation	5/16/2011 Groundwater Elevation	11/10/2011 Groundwater Elevation	5/24/2012 Groundwater Elevation	11/8/2012 Groundwater Elevation
MW-1	646.47	633.26	632.92	632.24	634.19	632.98	635.05	632.81	632.18	--	633.98	634.70	633.59	635.55	632.38	634.44	634.91	636.10	633.43	634.82	633.72	634.81	636.01	637.18	634.32	634.66	632.94
MW-2	644.30	633.36	632.99	632.36	634.36	633.12	635.16	633.02	632.35	634.70	634.16	634.92	633.81	635.79	632.61	634.75	635.17	636.40	633.70	635.11	634.01	635.10	636.30	637.51	634.60	634.98	633.26
MW-6	643.85	633.10	632.83	632.20	634.11	632.89	635.05	632.78	632.14	634.49	633.94	634.71	633.60	635.64	632.40	634.44	634.94	636.19	633.42	634.82	633.75	634.99	--	--	--	--	--
MW-6 cut																							--	--	--	--	--
MW-7	642.52	633.14	632.87	632.21	634.14	632.93	635.07	632.80	632.17	634.48	633.97	634.73	633.58	635.62	632.41	634.48	634.92	636.17	633.47	634.84	633.80	635.07	636.08	637.28	634.32	634.78	633.06
MW-7A	642.68	633.16	632.90	632.20	634.18	632.95	635.08	632.81	632.17	634.54	633.99	632.74	633.64	635.62	632.42	634.49	634.93	636.18	633.47	634.85	633.79	635.07	636.08	637.28	634.33	634.80	633.05
MW-8	643.52	633.21	632.95	632.27	634.21	633.01	635.12	632.86	632.23	634.57	634.07	634.80	633.68	635.68	632.04	634.57	635.01	636.24	633.57	635.04	633.88	635.14	636.18	637.37	634.46	634.87	633.15
MW-8A	643.97	633.22	632.96	632.27	634.22	633.02	635.12	632.86	632.24	634.59	634.07	634.81	633.68	635.68	632.95	634.56	635.02	636.25	633.57	634.94	633.89	635.14	636.18	637.37	634.46	634.87	633.14
MW-9	640.94	633.32	632.98	632.29	634.26	633.08	635.11	632.95	632.28	634.62	634.09	634.83	633.73	635.73	632.54	634.64	635.10	636.32	633.62	635.04	633.95	635.03	--	--	--	--	--
MW-9R																							--	--	--	--	--
MW-10	644.51	633.29	632.98	632.29	634.23	633.04	635.20	632.85	632.24	634.67	634.08	635.51	633.69	635.69	632.50	634.57	635.02	636.27	633.57	634.99	633.89	634.98	--	--	--	--	--
MW-10R																							--	--	--	--	--
MW-11	644.18	633.15	632.93	632.24	634.10	632.93	635.14	632.78	632.13	634.56	633.93	634.47	633.58	635.61	632.44	634.44	634.90	636.20	633.43	634.86	633.73	634.88	--	--	--	--	--
MW-11R																							--	--	--	--	--
MW-12*	644.12	633.21	632.98	632.48	634.24	632.97	635.09	632.95	632.19	634.43	633.99	634.77	633.70	635.65	632.46	634.36	634.76	636.23	633.43	634.88	633.77	635.09	--	--	--	--	--
MW-12 cut	643.75																						636.13	637.36	634.32	634.90	633.11
MW-13*	641.93	633.10	632.85	632.34	634.20	--	635.02	632.26	632.16	634.46	633.90	634.72	633.64	635.64	632.41	634.48	634.87	636.19	633.37	634.79	633.73	635.02	636.03	637.43	634.21	634.78	633.01
MW-15	644.21	633.17	632.87	632.29	634.17	--	--	632.85	632.16	--	--	634.73	633.62	635.64	632.41	634.45	634.90	636.19	633.43	634.87	633.73	634.94	--	--	--	--	--
MW-19	644.38	--	--	--	634.29	633.00	635.15	--	632.20	634.63	633.99	634.79	633.65	635.69	632.47	634.59	634.99	636.27	633.50	634.96	633.82	635.00	--	--	--	--	--
MW-20	641.78		632.83	632.21	634.10	632.83	635.06	632.79	632.12	634.38	633.92	634.72	633.56	635.60	632.37	634.45	634.86	636.17	633.39	634.79	633.72	635.01	636.03	637.26	634.23	634.78	632.97
MW-20A	641.72	--	632.81	632.18	634.12	632.85	635.11	632.78	632.11	634.41	633.89	634.73	633.57	635.59	632.36	634.41	631.82	636.14	633.31	634.75	633.70	634.87	635.99	637.21	634.20	634.76	632.97
MW-21	641.87		632.64	632.02	634.04	632.71	635.00	632.68	632.01	634.23	633.69	634.58	633.50	635.50	632.25	634.26	634.67	635.99	633.19	634.65	633.58	634.83	635.85	637.03	634.01	634.66	632.83
MW-22	642.48	--	633.80	633.15	635.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22*	642.30	--	--	--	--	--	635.05	632.69	632.08	634.42	633.87	634.65	633.54	635.54	632.37	634.38	634.87	636.08	633.40	634.81	633.72	634.94	636.00	637.19	634.29	634.72	632.96
MW-24	641.18	--	--	--	633.38	632.09	634.92	632.05	631.53	633.73	633.03	634.06	632.96	635.09	631.78	633.57	633.96	635.38	632.48	633.94	632.98	634.03	635.10	636.43	633.18	634.09	632.22
MW-24A	641.13	--	--	--	633.39	632.08	634.92	632.02	631.52	633.72	633.03	634.05	632.94	635.08	631.73	633.45	633.94	635.36	632.49	633.93	632.99	634.02	635.10	636.43	633.16	634.08	632.20
MW-25	640.22	--	--	--	633.40	632.23	635.01	632.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25R		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25A	639.95	--	--	--	633.40	632.21	635.00	632.03	631.56	633.90	633.17	634.13	633.00	635.06	631.80	633.56	634.07	635.40	632.66	634.07	633.09	634.19	635.24	636.46	633.40	634.16	632.30
MW-26	639.83	--	--	--	633.73	632.49	634.93	632.42	631.81	634.14	633.46	634.36	633.29	635.29	632.05	633.95	634.41	635.72	632.94	634.41	633.36	634.54	635.59	636.70	633.74	634.44	632.61
MW-26A	639.85	--	--	--	633.77	632.49	634.94	632.42	631.81	634.14	633.45	634.36	633.29	635.29	632.04	633.95	634.40	635.71	632.94	634.40	633.36	634.55	635.57	636.71	633.73	634.44	632.61
MW-1KT*	643.16	632.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2KT*	643.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3KT*	645.85	632.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4KT	643.36	632.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1M*	643.70	632.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2M*	642.38	632.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3M*	643.50	632.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4M*	643.78	632.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5M*	643.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6M*	643.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7M*	643.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8M*	643.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1Z*	643.75	632.80	632.56	631.90	633.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1PZ*	643.40	632.79	632.55	631.90	633.79	632.65	634.06	632.38	631.88	634.21		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2Z*	643.09	632.77	632.53	631.87	633.74	--	--	632.35	631.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2PZ*	643.79	632.77	632.52	631.86	633.75	632.60	635.08	632.38	631.87	634.23	633.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3Z*	644.15	632.78	632.56	631.88	633.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5AZ*	643.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7Z*	643.06	632.81	632.55	631.86	633.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8Z*	644.45	632.75	632.53	631.90	633.74	632.53	635.05	632.30	631.74	634.17	633.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



BASE MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, LA CROSSE, WISCONSIN, DATED 1963, PHOTO REVISED 1974.

QUADRANGLE LOCATION

NORTH
SCALE: 1''=2000'

PROJECT:
FORMER TRANE PLANT NO. 6 FACILITY
LACROSSE, WISCONSIN

TITLE:
B.1.a – LOCATION MAP

DRAWN BY: DDZ, DAN	DATE: NOV–2013	PROJ. NO. 800.0240.000
CHECKED BY: MSM	LAYOUT: Model	REPORT: Annual
APPROVED BY: MSM	FILE: C:\PROJECTS\TRANE\CAD\FIG–B.1.A.DWG	

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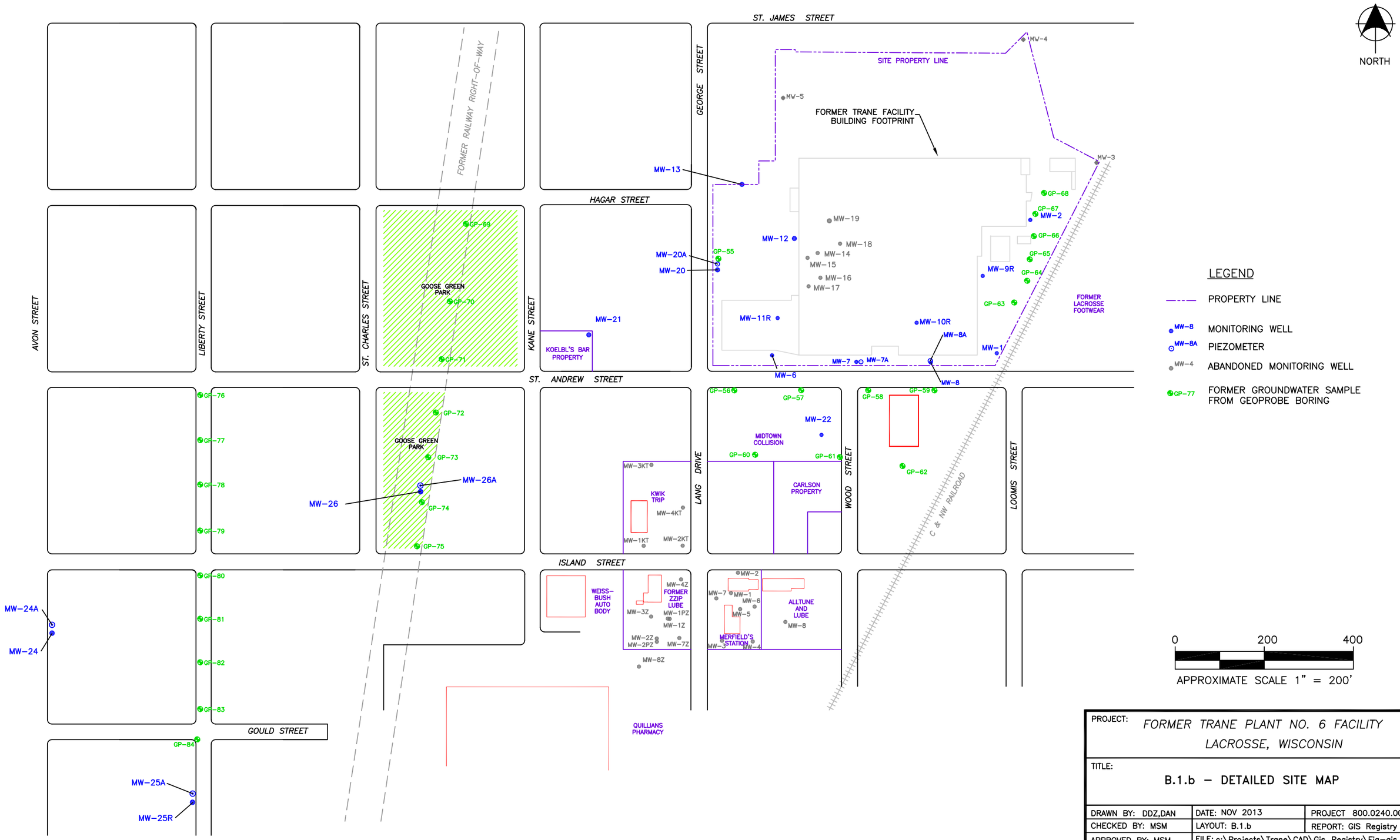

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: **B.1.b – DETAILED SITE MAP**

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.1.b	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

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B.1.c - RR Sites Map

Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Airport
- 2010 Air Photos (WROC)
- Cities
- Villages

0.3 0 0.13 0.3 Miles

NAD_1983_HARN_Wisconsin_TM

1: 8,400

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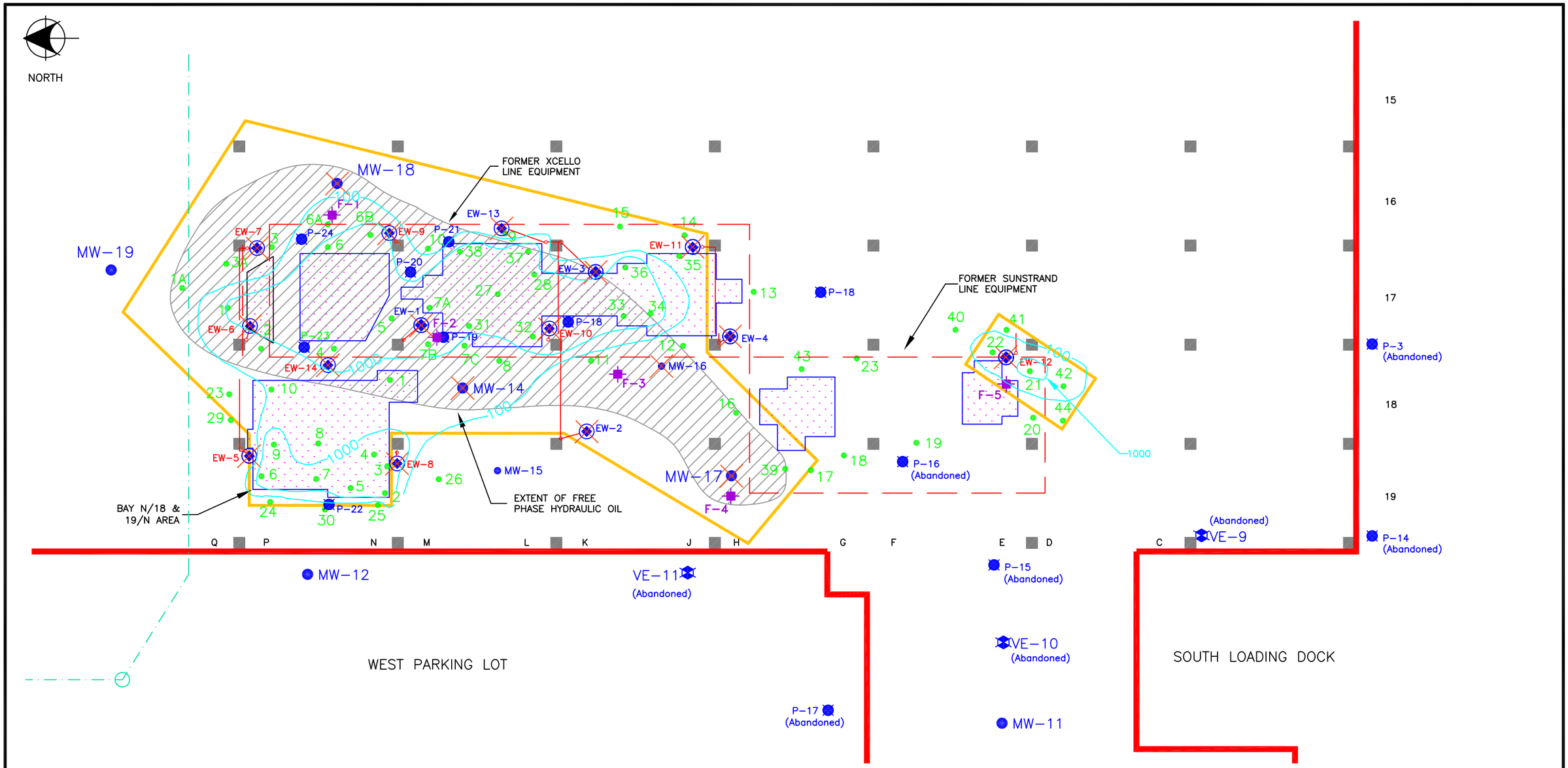
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made aregarding accuracy, applicability for a particular use, completemenss, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: http://dnr.wi.gov/org/legal/

Note: Not all sites are mapped.

Notes



LEGEND:

- SUPPORT COLUMN
- 26 SOIL SAMPLING LOCATION
- FORMER PITS, NOW FILLED WITH SAND AND FINISHED WITH CONCRETE
- —100— DRO SOIL CONCENTRATION (MG/KG)
- MW-11 MONITORING WELL
- P-3 MONITORING PROBE
- VE-9 SOIL VAPOR EXTRACTION WELL
- EW-2 BIOVENTING WELL
- SANITARY SEWER
- EXTENT OF FREE PHASE HYDRAULIC OIL
- PROPOSED EXCAVATION AREA
- F-1 SOIL PROFILE SAMPLES COLLECTED MAY 11, 2010
- WELL ABANDONED MAY 11, 2010

0 25 50

SCALE: 1"= 25'

PROJECT:
FORMER TRANE PLANT NO. 6 FACILITY
LACROSSE, WISCONSIN

TITLE:
B.2.a.1
PRE-REMEDIAL SOIL CONTAMINATION (2010)

DRAWN BY: DDZ	SCALE: 1" = 25'	PROJ. NO. 0326-001-800
CHECKED BY: MSM	DATE: NOV-2013	REPORT: GIS-REGISTRY
APPROVED BY: MSM	FILE: C:\Projects\Trane\Cad\GIS_Registry\Fig-B.2.A.1.dwg	

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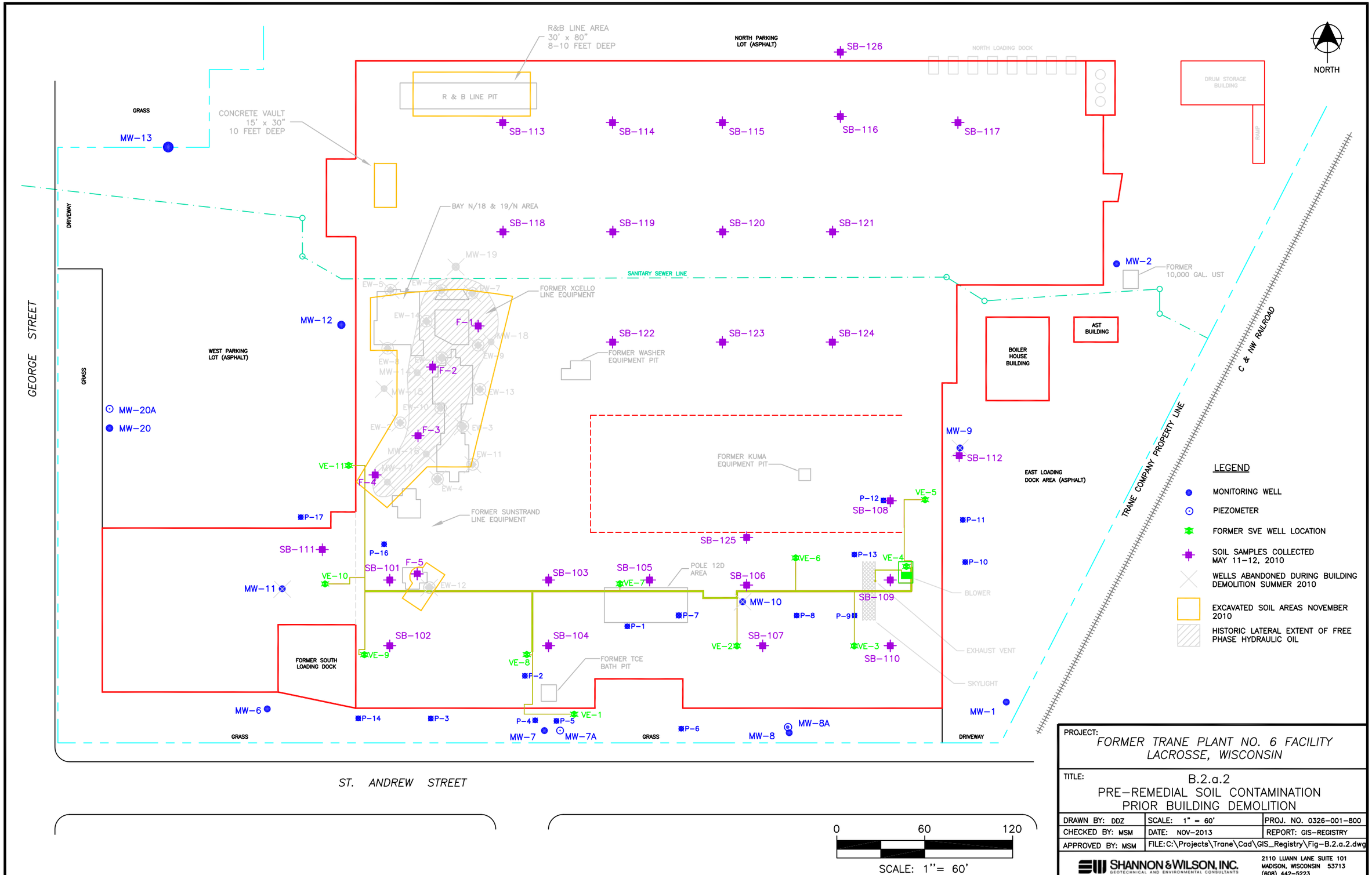

PROJECT:
FORMER TRANE PLANT NO. 6 FACILITY
LACROSSE, WISCONSIN

TITLE:
B.2.a.2
PRE-REMEDIAL SOIL CONTAMINATION
PRIOR BUILDING DEMOLITION

DRAWN BY: DDZ	SCALE: 1" = 60'	PROJ. NO. 0326-001-800
CHECKED BY: MSM	DATE: NOV-2013	REPORT: GIS-REGISTRY
APPROVED BY: MSM	FILE: C:\Projects\Trane\Cad\GIS_Registry\Fig-B.2.a.2.dwg	

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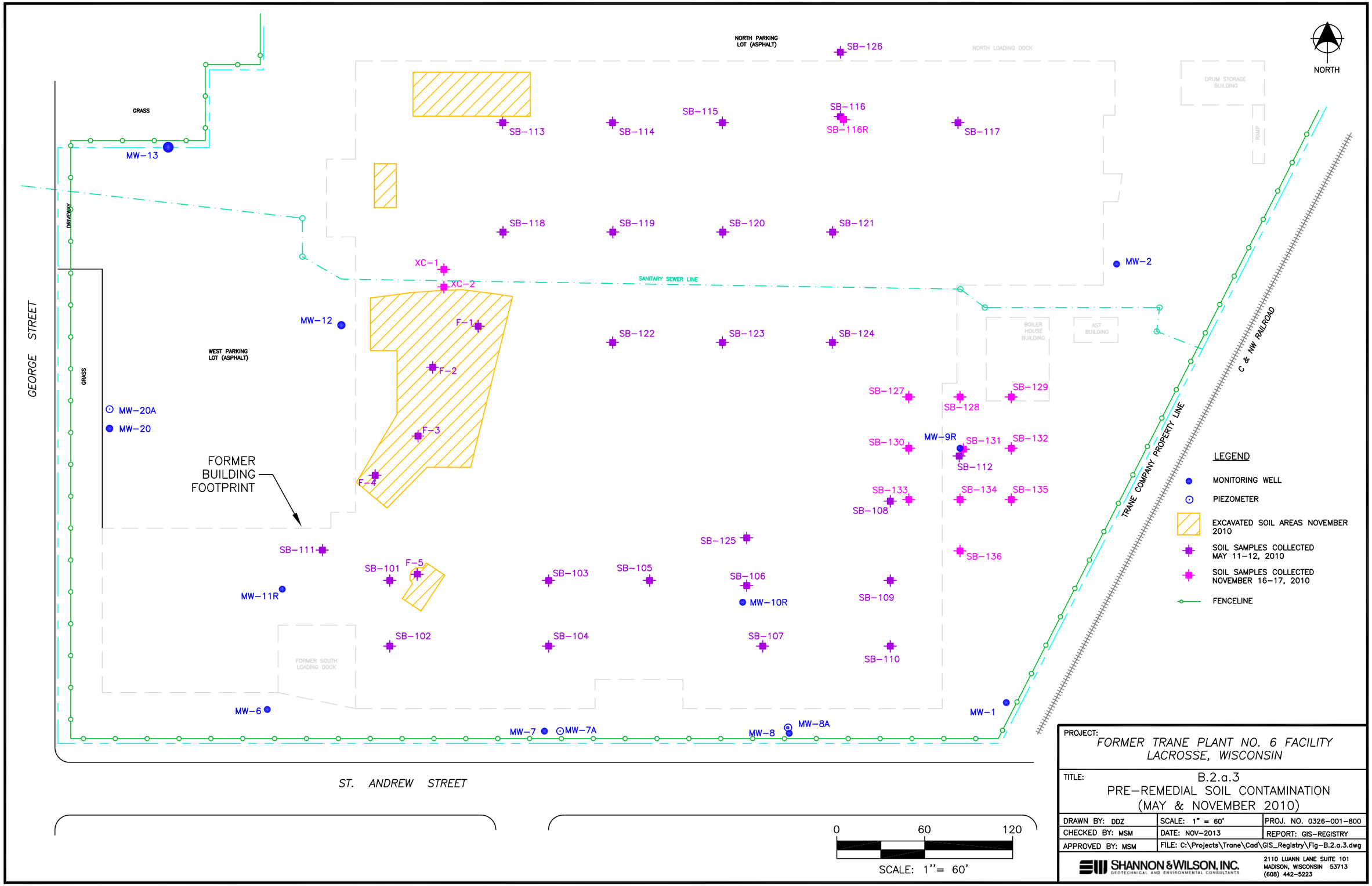

PROJECT:
FORMER TRANE PLANT NO. 6 FACILITY
LACROSSE, WISCONSIN

TITLE: B.2.a.3
PRE–REMEDIAL SOIL CONTAMINATION
(MAY & NOVEMBER 2010)

DRAWN BY: DDZ	SCALE: 1" = 60'	PROJ. NO. 0326–001–800
CHECKED BY: MSM	DATE: NOV–2013	REPORT: GIS–REGISTRY
APPROVED BY: MSM	FILE: C:\Projects\Trane\Cad\GIS_Registry\Fig–B.2.a.3.dwg	

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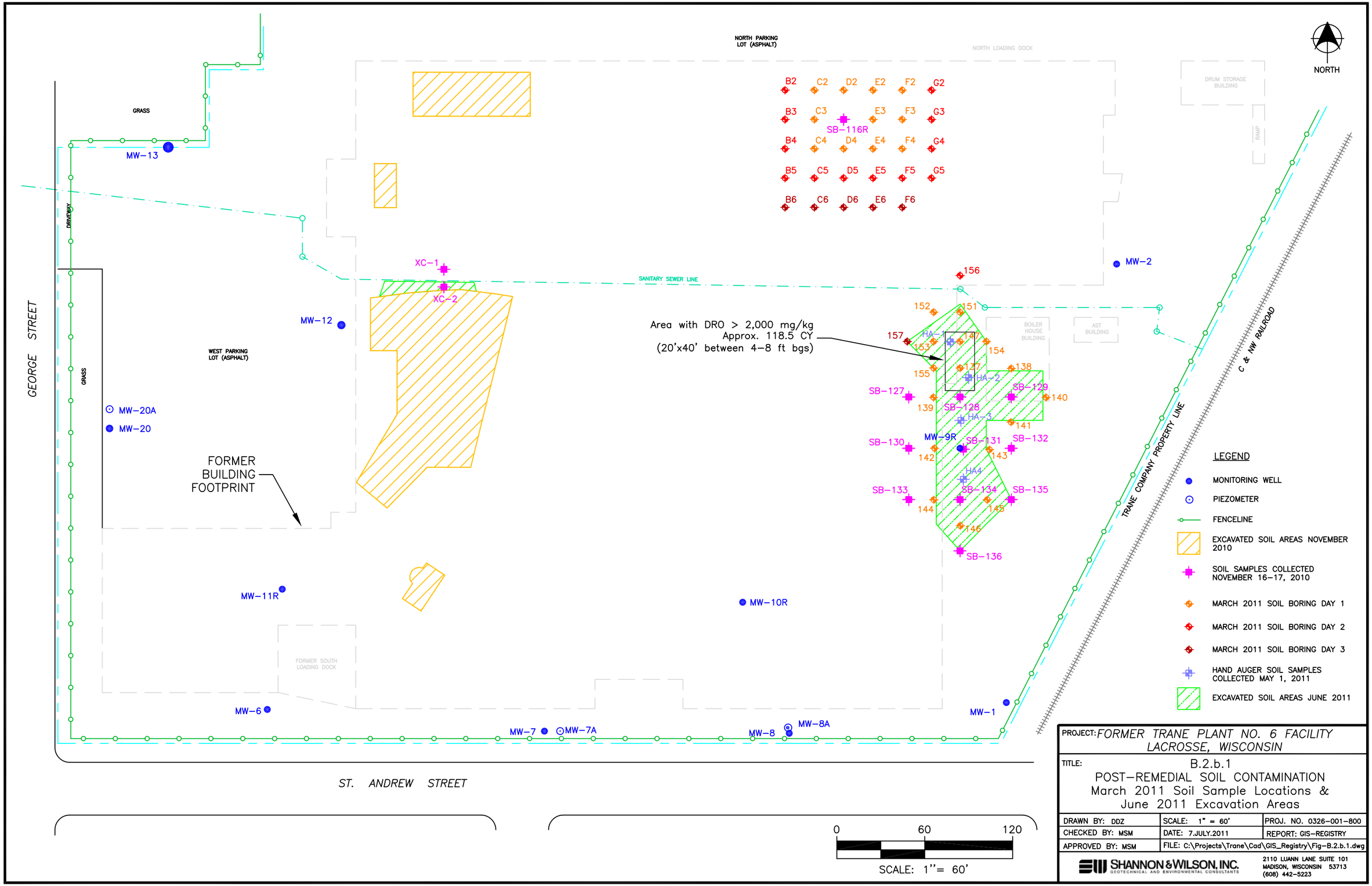

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.2.b.1
POST-REMEDIAL SOIL CONTAMINATION
March 2011 Soil Sample Locations &
June 2011 Excavation Areas

DRAWN BY: DDZ	SCALE: 1" = 60'	PROJ. NO. 0326-001-800
CHECKED BY: MSM	DATE: 7.JULY.2011	REPORT: GIS-REGISTRY
APPROVED BY: MSM	FILE: C:\Projects\Trane\Cad\GIS_Registry\Fig-B.2.b.1.dwg	

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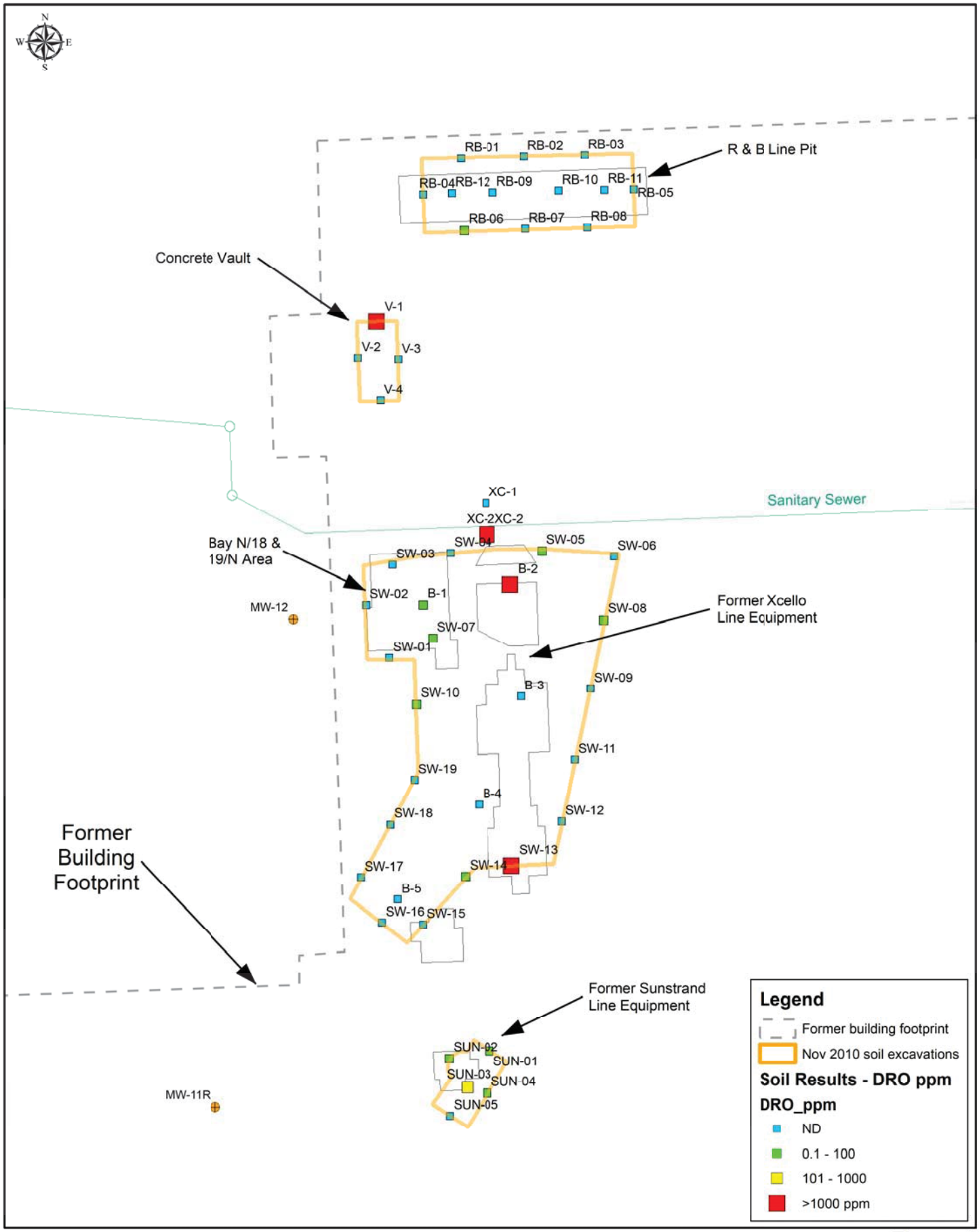


B.2.b.2
Post-remedial Soil Contamination - Excavation Area Detail and Confirmation Sample Results

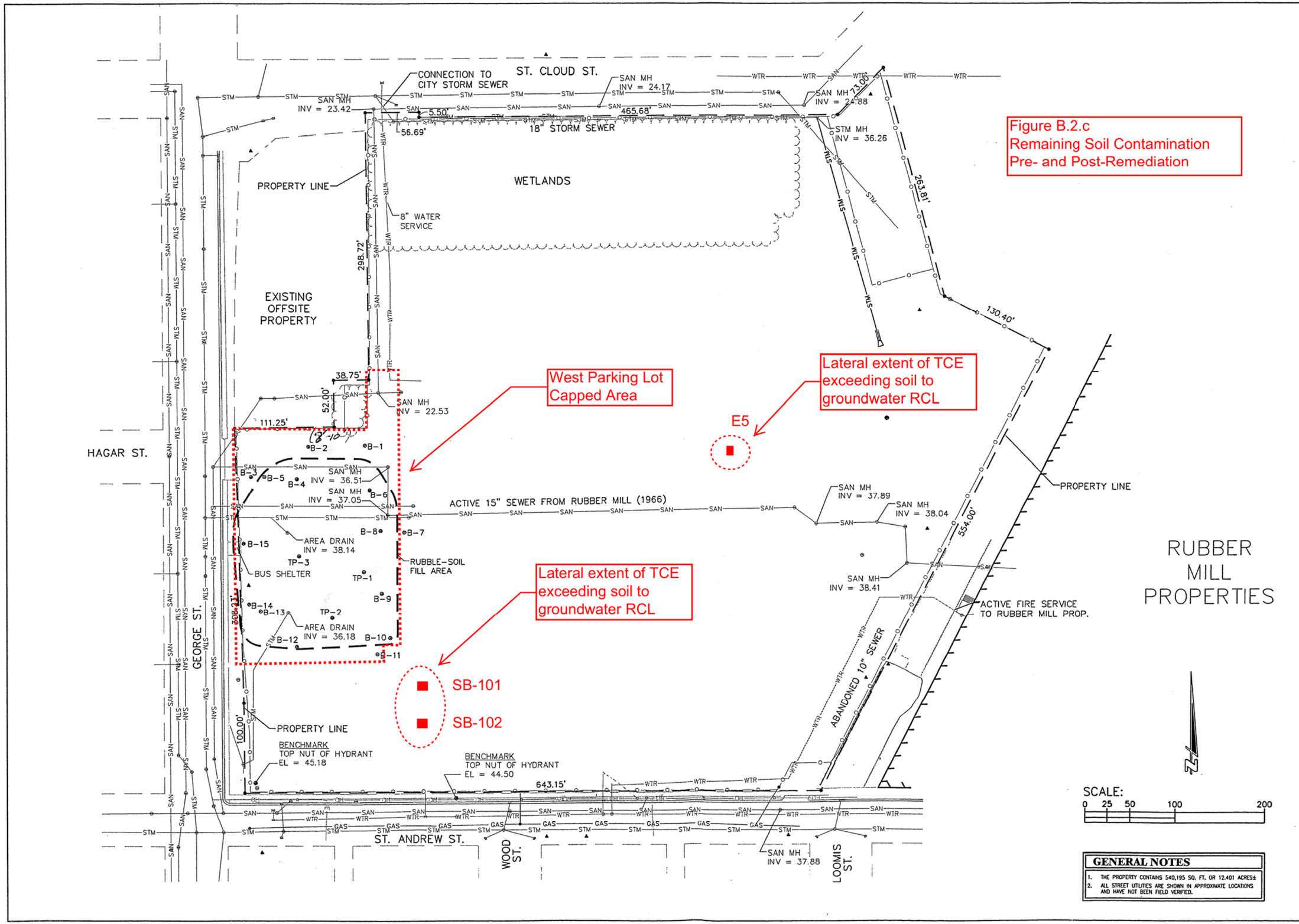
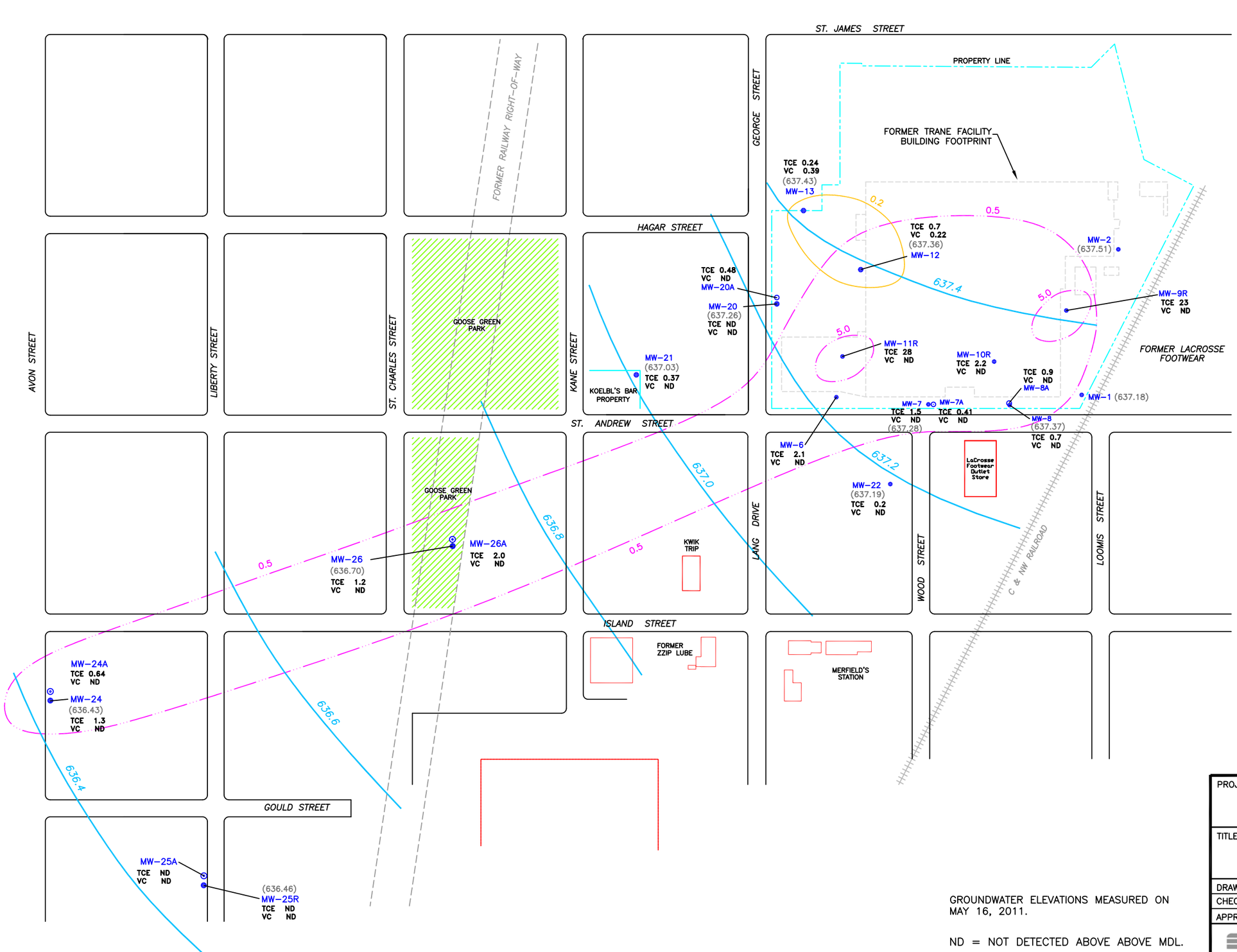


Figure B.2.c
Remaining Soil Contamination
Pre- and Post-Remediation
ST. CLOUD ST.
CONNECTION TO CITY STORM SEWER
SAN MH INV = 23.42
SAN MH INV = 24.17
SAN MH INV = 24.88
STM MH INV = 36.26
18" STORM SEWER
WETLANDS
PROPERTY LINE
8" WATER SERVICE
EXISTING OFFSITE PROPERTY
West Parking Lot Capped Area
Lateral extent of TCE exceeding soil to groundwater RCL
E5
SAN MH INV = 22.53
SAN MH INV = 36.51
SAN MH INV = 37.05
ACTIVE 15" SEWER FROM RUBBER MILL (1966)
SAN MH INV = 37.89
SAN MH INV = 38.04
SAN MH INV = 38.41
AREA DRAIN INV = 38.14
AREA DRAIN INV = 36.18
BUS SHELTER
RUBBLE-SOIL FILL AREA
ACTIVE FIRE SERVICE TO RUBBER MILL PROP.
ABANDONED 10" SEWER
RUBBER MILL PROPERTIES
SB-101
SB-102
BENCHMARK TOP NUT OF HYDRANT EL = 45.18
BENCHMARK TOP NUT OF HYDRANT EL = 44.50
SAN MH INV = 37.88
HAGAR ST.
GEORGE ST.
ST. ANDREW ST.
WOOD ST.
LOOMIS ST.
SCALE: 0 25 50 100 200
GENERAL NOTES
1. THE PROPERTY CONTAINS 540,195 SQ. FT. OR 12.401 ACRES±
2. ALL STREET UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND HAVE NOT BEEN FIELD VERIFIED.
JOB NO. L2294-005
BOOK NO. –
DRAWN BY JNM
CHECKED BY SEM / MEE
DATE MARCH 2010
REVISIONS
REFERENCE FILE L2294base.dwg
DRAWING FILE L2294schematic.dwg
Cedar corporation
604 Wilson Avenue Menomonie, Wisconsin 54751
715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com
engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers
LIPCO - FORMER TRANE PLANT NO. 6 PROPERTY
606 GEORGE STREET
LA CROSSE, WISCONSIN
POST DEMOLITION SITE
SHEET NO. 1 OF 1

B3-a – Geologic Cross-Section Figures

Figure(s) not included - Figures showing geologic cross-sections were not prepared for this project.



NORTH

LEGEND

- MW-8 MONITORING WELL
- MW-8A PIEZOMETER
- PROPERTY LINE
- 633.80 GROUNDWATER ELEVATION (FEET MSL)
- GROUNDWATER CONTOUR
- LATERAL EXTENT OF VINYL CHLORIDE IN GROUNDWATER
- 0.5 VINYL CHLORIDE CONCENTRATION (ug/L)
- LATERAL EXTENT OF TCE IN GROUNDWATER
- 3.6 TCE CONCENTRATION (ug/L)

0 200 400

SCALE IN FEET

GROUNDWATER ELEVATIONS MEASURED ON MAY 16, 2011.

ND = NOT DETECTED ABOVE ABOVE MDL.

PROJECT: FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN

TITLE: B.3.b.1 GROUNDWATER MONITORING RESULTS MAY 2011

DRAWN BY: DDZ	SCALE: 1"=200'	PROJ. 0326-001-800
CHECKED BY: MSM	DATE: NOV-2013	REPORT GIS-REGISTRY
APPROVED BY: MSM	FILE: C:\Projects\Trane\Cad\Gis_Registry\Fig-B.3.b.1.dwg	

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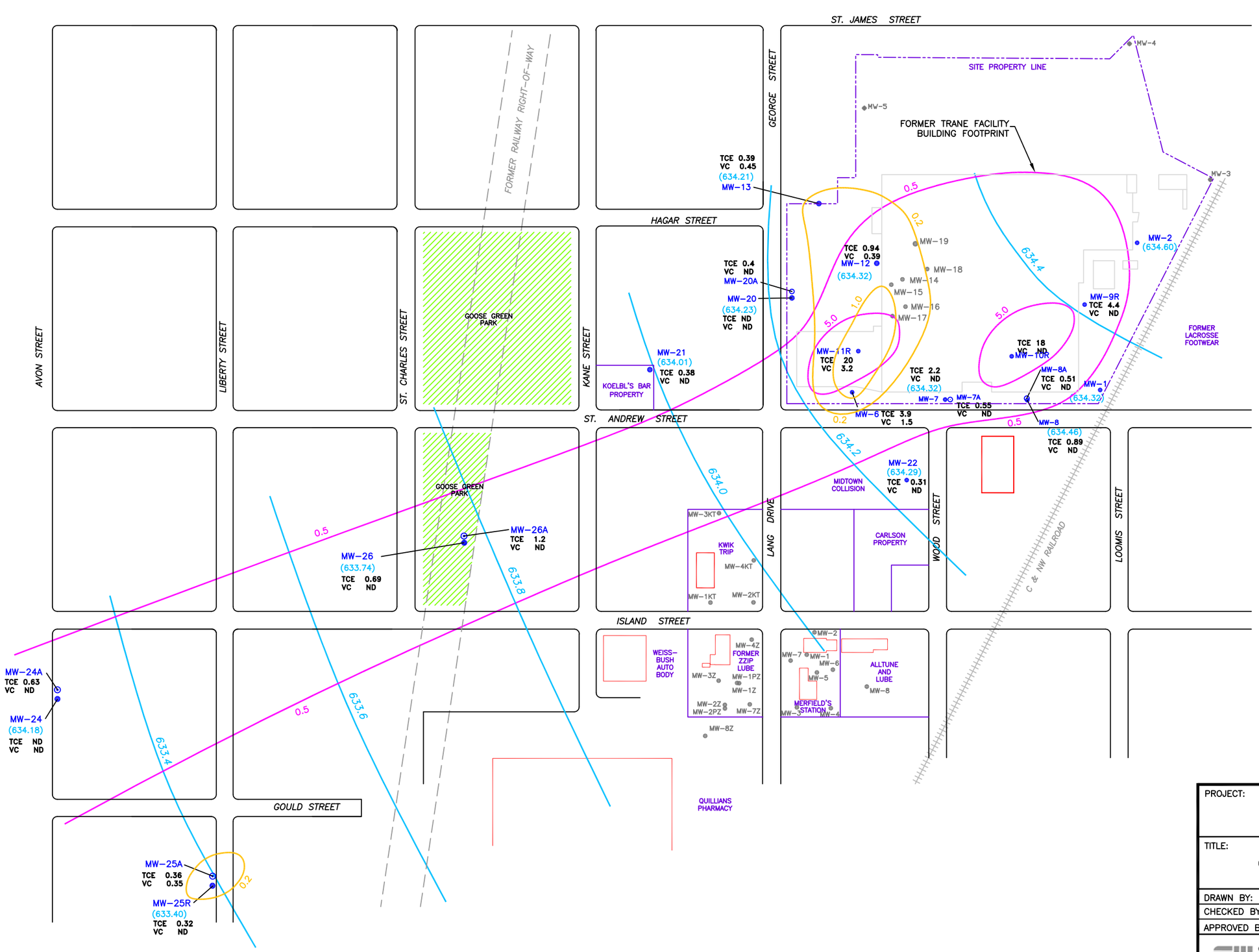

LEGEND

- PROPERTY LINE
- MW-8 MONITORING WELL
- MW-8A PIEZOMETER
- MW-4 ABANDONED MONITORING WELL
- GROUNDWATER CONTOUR
- 633.80 GROUNDWATER ELEVATION (FEET MSL)
- AERIAL EXTENT OF VINYL CHLORIDE IN GROUNDWATER
- 0.5 VINYL CHLORIDE CONCENTRATION (ug/L)
- AERIAL EXTENT OF TCE IN GROUNDWATER
- 3.6 TCE CONCENTRATION (ug/L)

GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 10, 2011.

ND = NOT DETECTED ABOVE ABOVE MDL.

0 200 400

APPROXIMATE SCALE 1" = 200'

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.3.b.2
GROUNDWATER MONITORING RESULTS
NOVEMBER 2011

DRAWN BY: DDZ,DAN	DATE: NOV-2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.3.B.2	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

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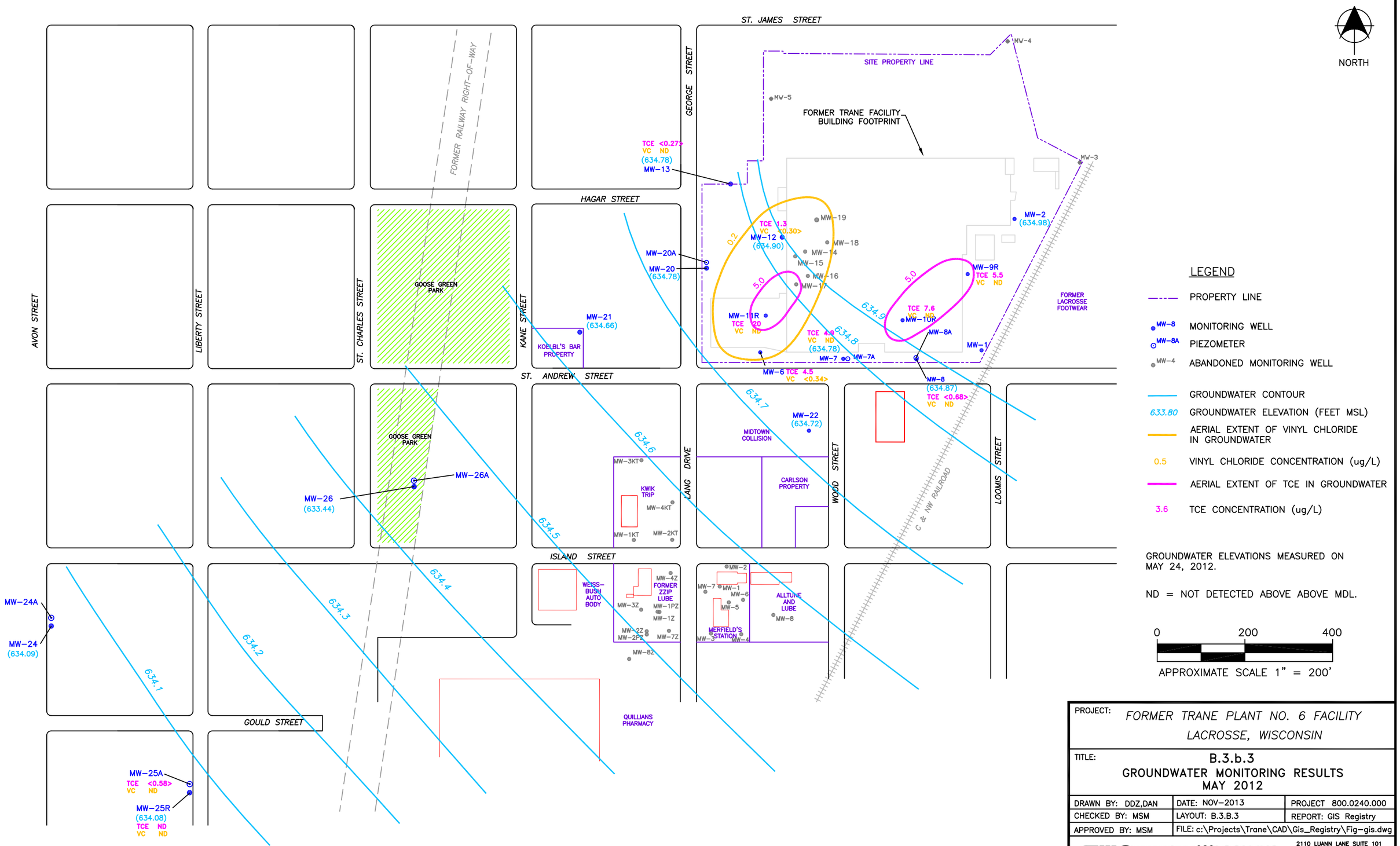

LEGEND

- PROPERTY LINE
- MW-8 MONITORING WELL
- MW-8A PIEZOMETER
- MW-4 ABANDONED MONITORING WELL
- GROUNDWATER CONTOUR
- 633.80 GROUNDWATER ELEVATION (FEET MSL)
- AERIAL EXTENT OF VINYL CHLORIDE IN GROUNDWATER
- 0.5 VINYL CHLORIDE CONCENTRATION (ug/L)
- AERIAL EXTENT OF TCE IN GROUNDWATER
- 3.6 TCE CONCENTRATION (ug/L)

GROUNDWATER ELEVATIONS MEASURED ON MAY 24, 2012.

ND = NOT DETECTED ABOVE ABOVE MDL.

0 200 400

APPROXIMATE SCALE 1" = 200'

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.3.b.3
GROUNDWATER MONITORING RESULTS
MAY 2012

DRAWN BY: DDZ,DAN	DATE: NOV-2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.3.B.3	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

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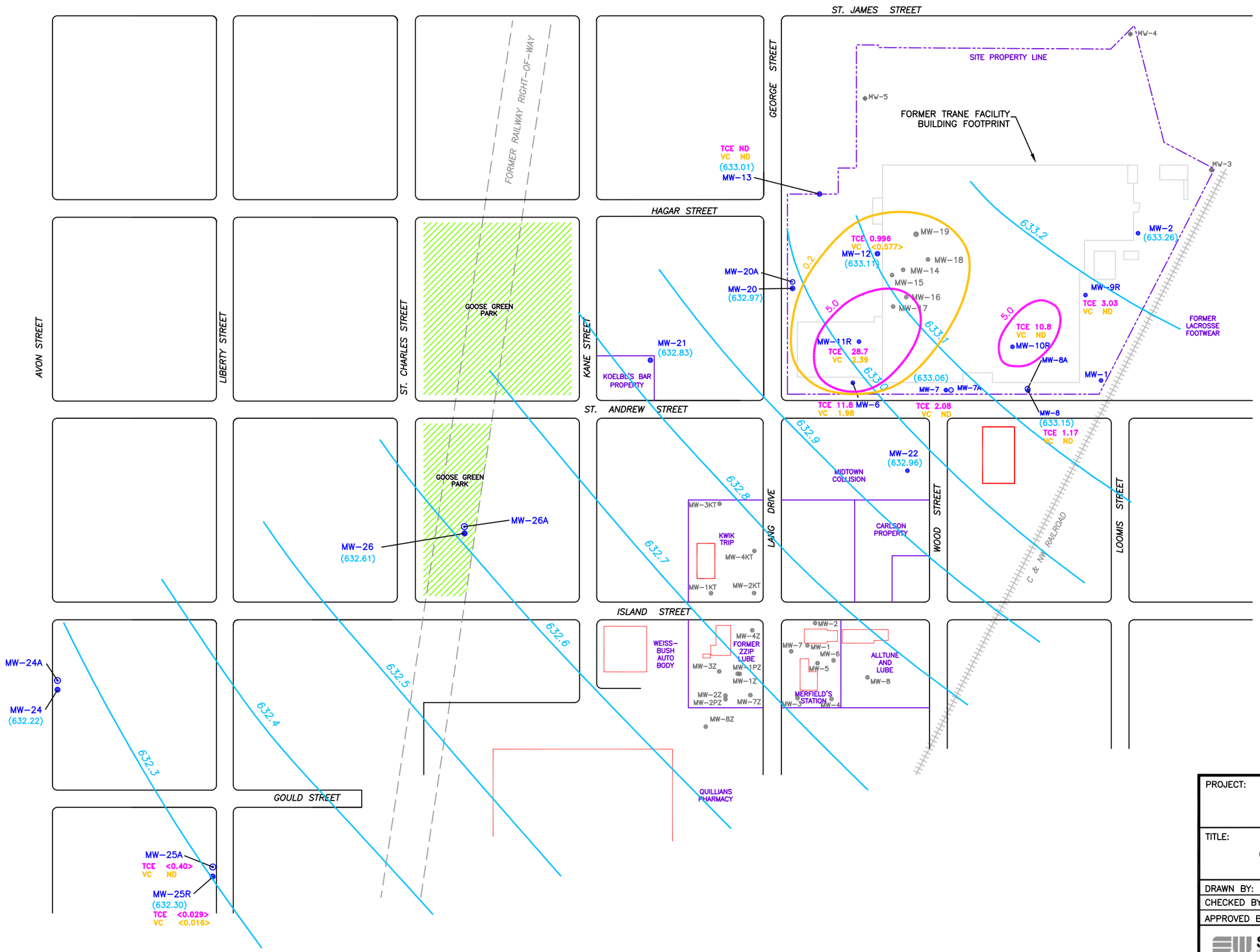

LEGEND

- PROPERTY LINE
- MW-8 MONITORING WELL
- MW-8A PIEZOMETER
- MW-4 ABANDONED MONITORING WELL
- GROUNDWATER CONTOUR
- 633.80 GROUNDWATER ELEVATION (FEET MSL)
- AERIAL EXTENT OF VINYL CHLORIDE IN GROUNDWATER
- 0.5 VINYL CHLORIDE CONCENTRATION (ug/L)
- AERIAL EXTENT OF TCE IN GROUNDWATER
- 3.6 TCE CONCENTRATION (ug/L)

GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 8, 2012.

ND = NOT DETECTED ABOVE ABOVE MDL.

0 200 400

APPROXIMATE SCALE 1" = 200'

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.3.b.4
GROUNDWATER MONITORING RESULTS
NOVEMBER 2012

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.3.B.4	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

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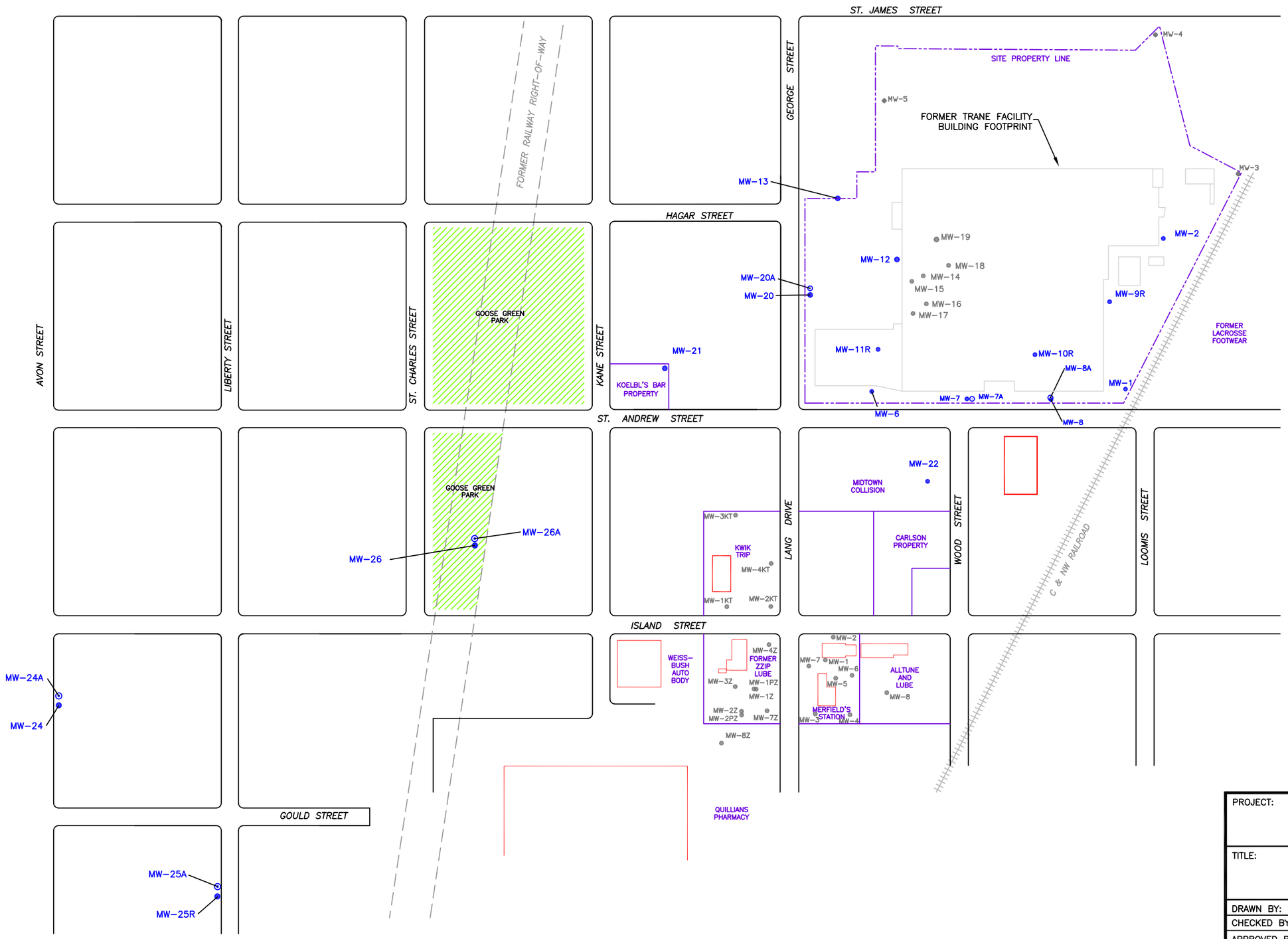
B3-c – Groundwater Flow Direction Figures

Figure(s) not included - Figures showing variations with direction of groundwater flow were not prepared for this project because the groundwater flow direction did not vary by more than 20° over the history of the site.



NORTH

LEGEND

- PROPERTY LINE
- MW-8 MONITORING WELL
- MW-8A PIEZOMETER
- MW-4 MONITORING WELL (ABANDONED PRIOR TO 2013)

NOTE: ALL MONITORING WELLS NOW ABANDONED

0 200 400

APPROXIMATE SCALE 1" = 200'

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.3.d – MONITORING WELLS

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.3.D	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\Cad\Gis_Registry\Fig-Gis.dwg	

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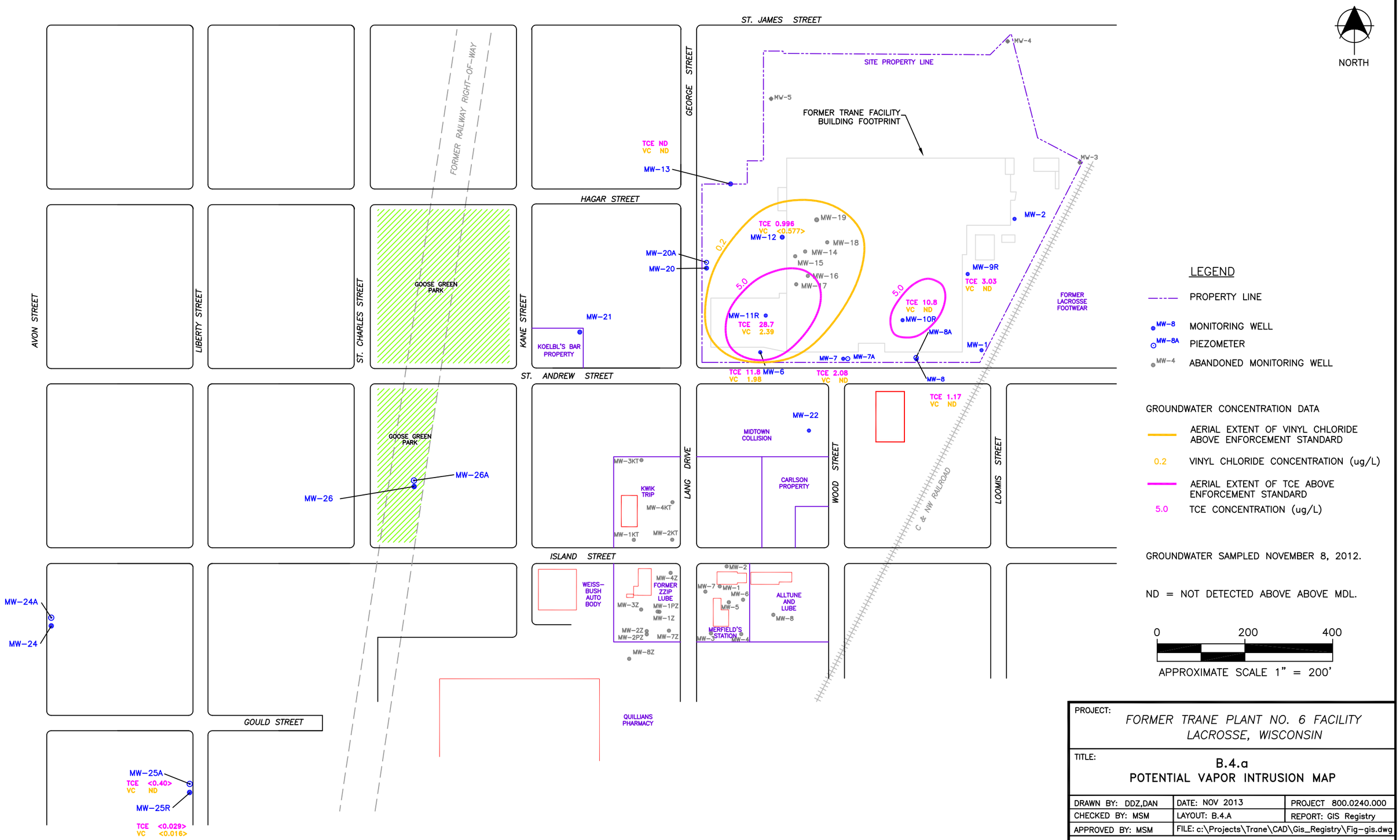

PROJECT: *FORMER TRANE PLANT NO. 6 FACILITY LACROSSE, WISCONSIN*

TITLE: B.4.a
POTENTIAL VAPOR INTRUSION MAP

DRAWN BY: DDZ,DAN	DATE: NOV 2013	PROJECT 800.0240.000
CHECKED BY: MSM	LAYOUT: B.4.A	REPORT: GIS Registry
APPROVED BY: MSM	FILE: c:\Projects\Trane\CAD\Gis_Registry\Fig-gis.dwg	

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B4-b – Other Media of Concern (e.g. sediment or surface water)

Figure not included - No sediment or surface water data was collected because no sediment or surface water is impacted by the site.

B4-c – Other

Figure(s) not included - Relevant maps and figures not otherwise noted above were not included.

Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at dnr.wi.gov/topic/Brownfields/Contact.html

WISCONSIN
DEPT. OF NATURAL RESOURCES

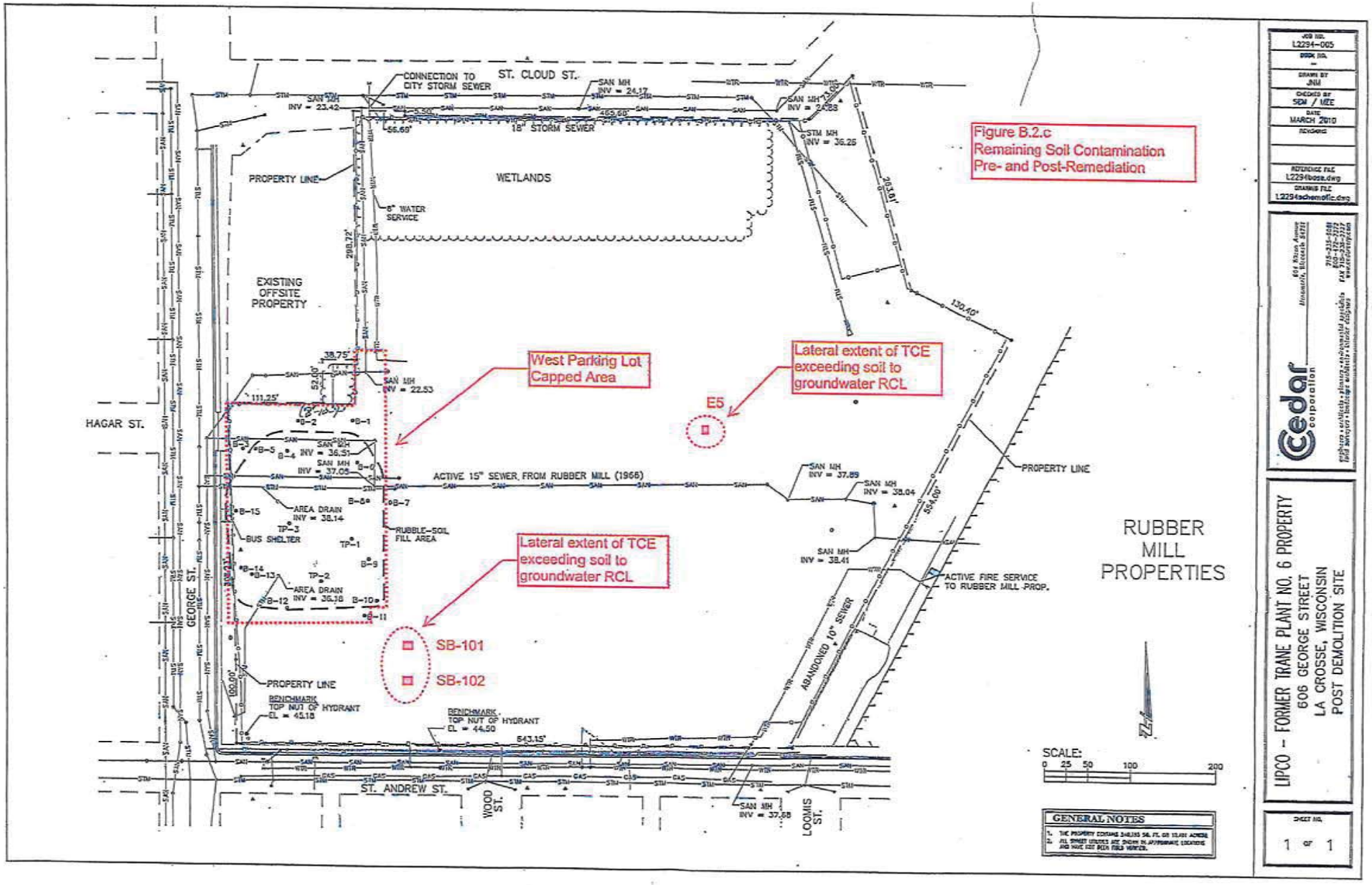
POST CLOSURE

Attachment D: Maintenance Plan

The continuing obligations required at the original time of closure included maintenance of a cap overlying the historic fill area on the western perimeter of the site, as shown in the **attached map Figure B.2.c**. In a report titled "*Remedial Action Documentation Report for Former La Crosse Footwear Property*" submitted by Cedar Corp., and dated March 10, 2015, it was documented that the historic fill area was removed from the site between Jan. 21 and Feb. 2, 2015. The report summarizes the excavation of 12,512 tons of contaminated soil, slag and rubble from the historic fill area, which was then properly disposed of at the La Crosse County landfill. The original Trane Plant #6 parcel has been subdivided since it originally received closure from the DNR. The western portion of the site, which is subject to the addendum to the original closure letter, is now identified as La Crosse County Tax Parcel 17-10289-40. Since the historic fill area was completely removed from the site, the request to revise the requirement to maintain an asphalt cap over residual contamination within the historic fill area was approved. The **attached map Figure B.2.c**. **(rev. 4-10-2015)** reflects the removal of the reference to the former historic fill site and the associated maintenance plan.

POST CLOSURE

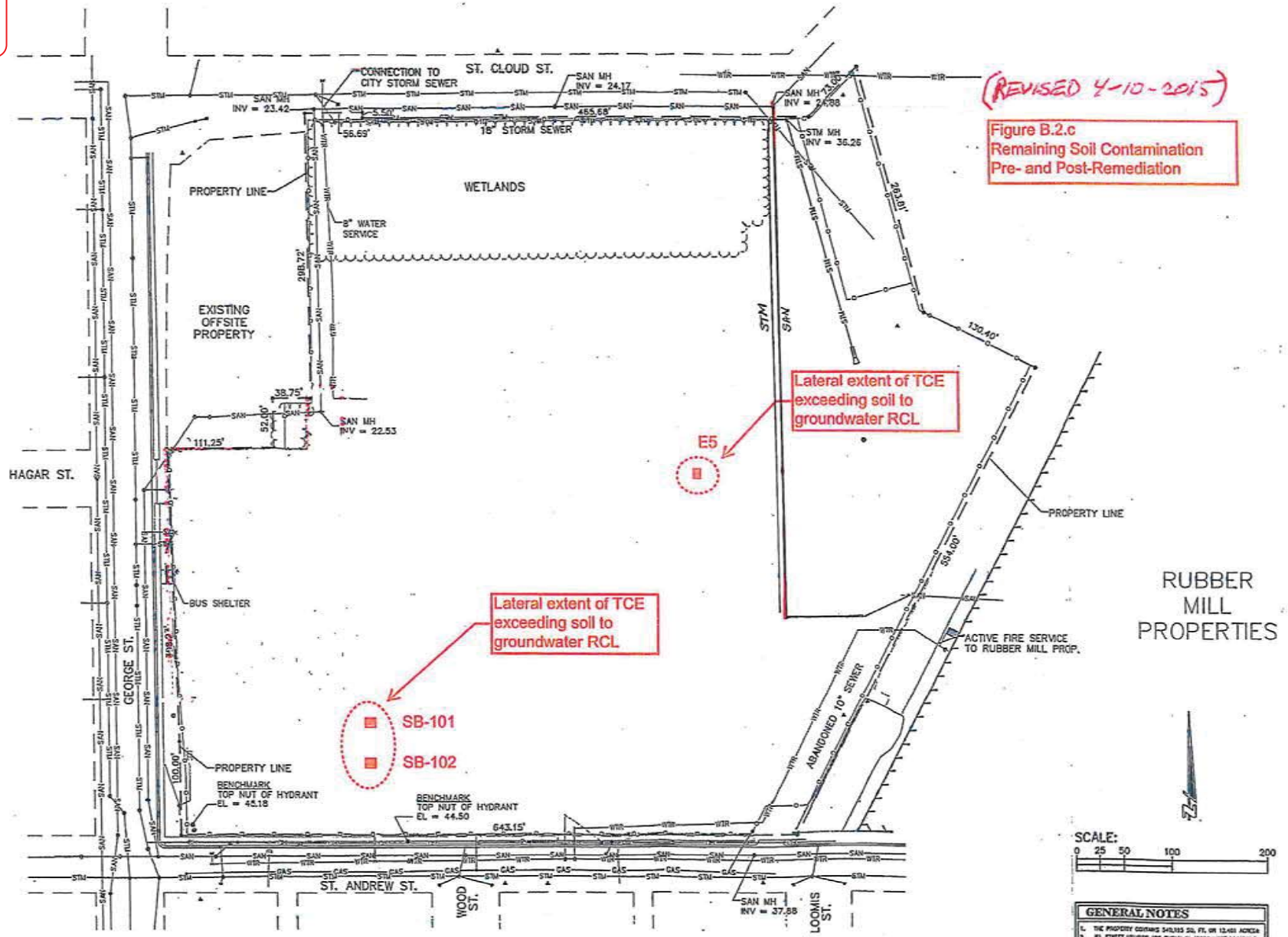
Figure is from the 01/30/2014 closure.



POST CLOSURE

(REVISED 4-10-2015)

Figure B.2.c
Remaining Soil Contamination
Pre- and Post-Remediation



GENERAL NOTES

1. THE PROPERTY CONTAINS 540,193 SQ. FT. OR 12.401 ACRES
2. ALL STREET UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND HAVE NOT BEEN FIELD VERIFIED.

JOB NO. L2294-005
BOOK NO. -
DRAWN BY JNJ
CHECKED BY SEM / UEE
DATE MARCH 2010
REVISIONS
REFERENCE FILE L2294base.dwg
DRAWING FILE L2294schematic.dwg

Cedar corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751
715-231-6991
800-472-2372
FAX 715-235-3757
www.cedarcorp.com
engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

LIPCO - FORMER TRANE PLANT NO. 6 PROPERTY
606 GEORGE STREET
LA CROSSE, WISCONSIN
POST DEMOLITION SITE

SHEET NO. 1 OF 1

Monitoring Well Installation (Attachment E)

The following interior monitoring and remediation wells were abandoned in May 2010 prior to building demolition.

MW-14	MW-18	EW-3	EW-6	EW-9	EW-12
MW-16	EW-1	EW-4	EW-7	EW-10	EW-13
MW-17	EW-2	EW-5	EW-8	EW-11	EW-14

Additionally, the following wells were abandoned concurrent with building demolition:

MW-9 MW-10 MW-11 MW-15 MW-19.

Well abandonment documentation for the these wells was submitted in the Hydraulic Oil Release - Soil Remediation Construction Documentation Report dated February 11, 2011

The following existing monitoring wells were abandoned in April 2013 as a condition of closure:

MW-1	MW-8	MW-12	MW-22	MW-26
MW-2	MW-8A	MW-13	MW-24	MW-26A
MW-6	MW-9R	MW-20	MW-24A	
MW-7	MW-10R	MW-20A	MW-25	
MW-7A	MW-11R	MW-21	MW-25A	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Impacted Property Notification Information

Form 4400-246 (R 10/12)

Notice: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, where specific circumstances exist at the time of case closure. This form applies to situations where: (1) the party conducting the cleanup does not own the source property; (2) contamination has impacted a neighboring property to a certain degree; and (3) not all monitoring wells can/will be abandoned at the time of closure. A letter notifying these property owners is required of the responsible party if certain circumstances exist. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) specifies those notification requirements. A model "Template for Notification of Residual Contamination and Continuing Obligations" (PUB-RR-919) can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS No.	Activity Name
02-32-000195	Trane CO Plant #6

						Letter Sent To:			Reasons Letter Sent:							
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
A	1319 St. Andrew ST	17-10289-40	12/26/2012	420494	374217	X			X	X				X		
B																
C																
D																
E																
F																
G																
H																

1173079

VOL 1178 PAGE 229

WARRANTY DEED

RECORDED
AT 10:30 A M
MAY 16 1997
DEBORAH J. FLOCK
REGISTER OF DEEDS
LA CROSSE COUNTY
$14.00

American Standard Inc., a Delaware Corporation, grantor, hereby conveys and warrants to La Crosse Industrial Park Corporation, a Wisconsin non-profit, non-stock corporation of the city of La Crosse, La Crosse County, Wisconsin, grantee, in consideration for the sum of One Dollar ($1.00) and other good and valuable consideration the following tract of land located in the City of La Crosse, La Crosse County Wisconsin:

Return to:
JOSEPH CONNELL
P.O. BOX 1147
LACROSSE WI 54602-1147

TRANSFER
$ 8250.00
FEE

TAX PARCEL NO. 17-10289-040

A parcel of land located in part of the SW 1/4 of the NE 1/4 of Section 29, Township 16 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin; described as follows: Commencing at the Southwest corner of said SW 1/4 of the NE 1/4; thence North 30.00 feet to the extended North right-of-way line of St. Andrew Street; thence along said extended North right-of-way line South 89 degrees 34 minutes 30 seconds East 37.00 feet to the East right-of-way line of George Street and the point of beginning of this description. Thence along said East right-of-way line North 100.00 feet; thence continuing along said East right-of-way line North 01 degree 18 minutes 05 seconds West 308.23 feet; thence North 89 degrees 49 minutes East 111.25 feet; thence North 52.00 feet; thence North 89 degrees 49 minutes East 38.75 feet; thence North 298.72 feet to the South right-of-way line of St. Cloud Street; thence along said South right-of-way line South 89 degrees 39 minutes 46 seconds East 59.69 feet; thence continuing along said South right-of-way line South 00 degrees 18 minutes East 5.50 feet; thence continuing along said South right-of-way line South 89 degrees 38 minutes East 465.68 feet; thence continuing along said South right-of-way line North 45 degrees 04 minutes 38 seconds East 73.00 feet; thence South 14 degrees 15 minutes 48 seconds East 263.81 feet; thence South 62 degrees 19 minutes East 130.40 feet to a point 15 feet distant, measured at right angles from the centerline of the main track of the Chicago and North Western Transportation Company; thence South 27 degrees 41 minutes West 554.00 feet parallel with said centerline to the North right-of-way line of St. Andrew Street; thence along said North right-of-way line North 89 degrees 34 minutes 30 seconds West 643.15 feet to the point of beginning.

This is not homestead property

All real estate taxes for calendar year 1997 have been prorated and are assumed by grantee.

Together with all and singular the hereditaments and appurtenances thereunto belonging;
Grantor warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except:

> Easements, agreements, reservations, covenants, conditions, and restrictions of record in favor of the La Crosse Rubber Mills, a Wisconsin Corporation, for public utility purposes including sewer and water and for other purposes of record

including:

Easement, covenants, conditions, and restrictions contained in Warranty Deed from La Crosse Rubber Mills to the Trane Company, dated August 14, 1945 and recorded in the Office of the Register of Deeds for La Crosse County, Wisconsin on August 17, 1945 in Volume 207 of Deeds, page 392 as Document No. 240736;

Agreement between La Crosse Rubber Mills Company and The Trane Company, dated July 8, 1966 and recorded in said Register's Office on August 4, 1966 in Volume 415 of Records, page 516 as Document No. 772634;

Covenants, conditions, restrictions and easement contained in Second Sewer Agreement between La Crosse Rubber Mills Company and The Trane Company, dated October 24, 1978 and recorded in said Register's Office on November 7, 1978 in Volume 619 of Records, page 648 as Document No. 889956; and

Rights of Railroad companies of record including: covenants, conditions and restrictions contained in Quit-Claim Deed from Chicago and North Western Transportation Company to The Trane Company, dated June 2, 1978 and recorded in said Register's Office on October 27, 1978 in Volume 619 of Records, page 151 as Document No. 889577;

Covenants, conditions and restrictions contained in License, executed by Chicago and North Western Railway Company to City of La Crosse, Wisconsin, dated February 18, 1964 and recorded in said Register's Office on March 3, 1964 in Volume 376 of Records, page 302 as Document No. 749825;

Rights of railroad company and others in and to the siding located on the property;

Easements granted by The Trane Company to the City of La Crosse, including the following:

Easement, granted by The Trane Company to the City of La Crosse by an instrument dated December 31, 1960 and recorded in said Register's Office on July 10, 1961 in Volume 335 of Records, page 392 as Document No. 720219;

Easement, granted by The Trane Company to the City of La Crosse, its successors and assigns by an instrument dated march 31, 1981 and recorded in said Register's Office on April 13, 1981 in Volume 659 of Records, page 963 as Document No. 916658;

Easement, granted by The Trane Company to the City of La Crosse, by an instrument dated September 19, 1961 and recorded in said Register's Office on September 25, 1961 in Volume 338 of Records, page 638 as Document No. 722939;

Easement, granted by The Trane Company to the City of La Crosse, it successors and assigns by an instrument dated April 27, 1970 and recorded in said Register's Office on May 7, 1970 in Volume 469 of Records, page 391 as Document No. 801599;

Rights accorded municipalities, utility companies and others

by Section 80.32(4) Wis. Stats., to continue to maintain existing installations, if any, within the vacated public ways of the insured premises;

Easement, granted in an Agreement by and between Gateway Development Col., Inc., D.B. Reinhart of La Crosse, Wisconsin and the City of La Crosse, a Wisconsin municipal corporation, dated September 13, 1984 and recorded in said Register's Office on December 17, 1984 in Volume 727 of Records, page 799 as Document No. 958054;

Encroachment onto and along the West line of said premises as disclosed by the certified survey prepared by Davy Engineering Company dated March 4, 1997 as revised March 11, 1997.

Any and all other easements, rights or licenses of record

and will warrant and defend the same.

Dated this 20th day of March, 1997.

STANDARD INC. CORPORATE SEAL DELAWARE AMERICA

Vice President

(Seal)

STATE OF WISCONSIN)
) SS.
COUNTY OF LA CROSSE)

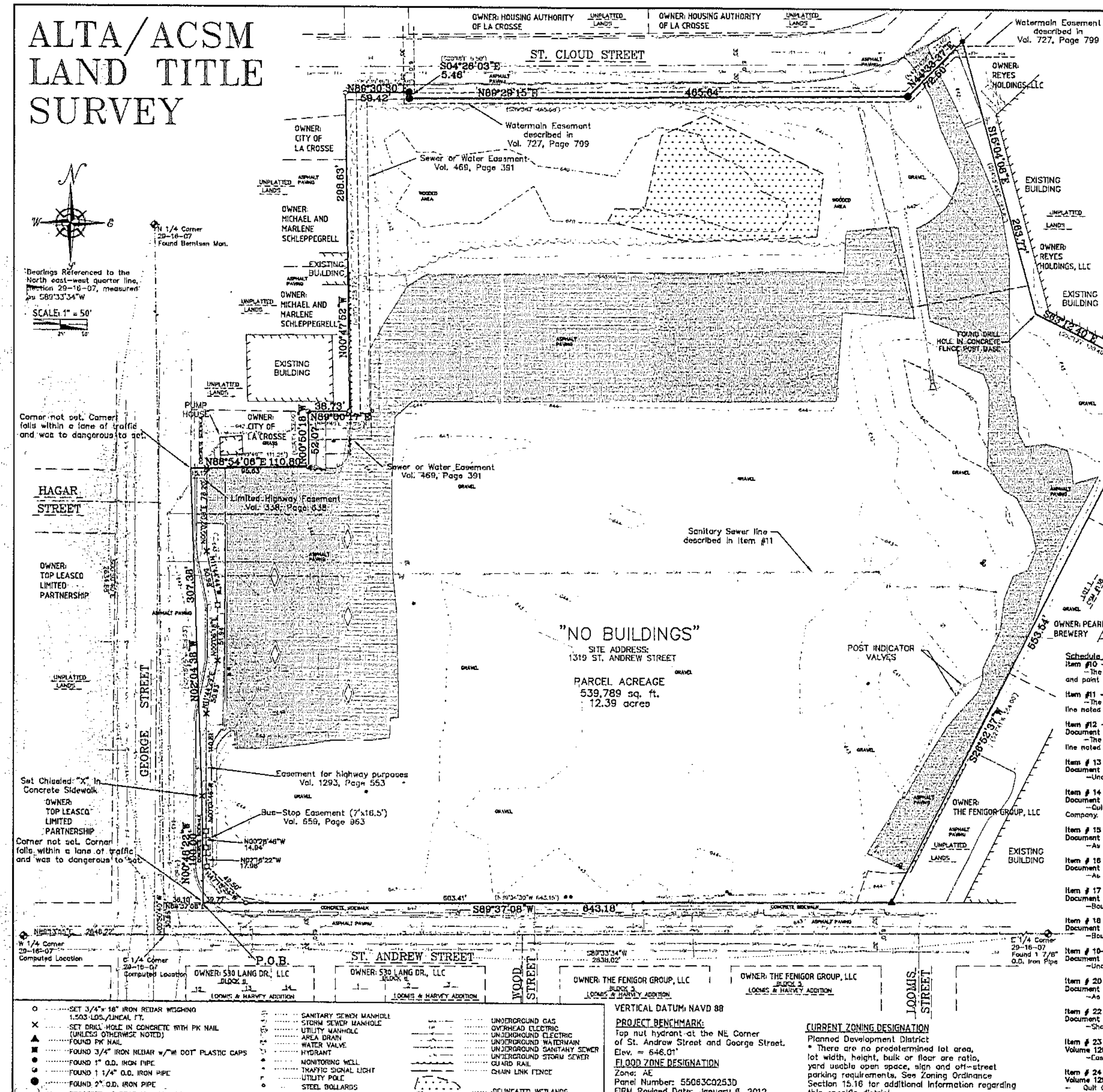
Personally came before me this 20th day of March, 1997, the above-named James H. Schultz ~~XXXX~~ _____ to me known to be the person _____ who executed the foregoing instrument, with full authority for and on behalf of Grantor, and acknowledged the same.

Marsha A Krane
Notary Public, State of Wisconsin
My Commission expires June 20, 1999

NOTARY PUBLIC STATE OF WISCONSIN

This instrument drafted by
Attorney Burleigh A. Randolph
200 Main Street, Suite 220
P.O. Box 1562
La Crosse, WI 54602-1562

ALTA/ACSM LAND TITLE SURVEY



VERTICAL DATUM: NAVD 88

PROJECT BENCHMARK:
Top nut hydrant at the NE Corner of St. Andrew Street and George Street.
Elev. = 646.01'

FLOOD ZONE DESIGNATION
Zone: AE
Panel Number: 55063C0253D
FIRM Revised Date: January 6, 2012

CURRENT ZONING DESIGNATION
Planned Development District
* There are no predetermined lot area, lot width, height, bulk or floor are ratio, yard usable open space, sign and off-street parking requirements. See Zoning Ordinance Section 15.16 for additional information regarding this specific district.

1. To: LA CROSSE INDUSTRIAL PARK CORPORATION, a Wisconsin non-profit, non-stock corporation; THE TITLE COMPANY, INC., and Bosshard Parke, Ltd. This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA, and NSPS, and includes items 1, 2, 3, 4, 5, 6 (a)(b), 7 (a)(b 1,2)(c) 8, 9, 10 (a)(b), 11(a)(b), 13, 14, 16, 17, 18, 19, and 20(a) of Table A thereof. The field work was completed on December 18, 2012.

2. This survey was made on the ground on December 18, 2012 and correctly shows the area of the subject property, the location and type of improvements situated on subject property, and any other matters situated on the subject property.

3. There are no observable, above ground encroachments by the improvements on the subject property upon adjoining properties.

4. There are no observable, above ground encroachments by the improvements on the subject from adjoining properties onto subject property.

5. The location of each easement, right of way, servitude, and other matter affecting the subject property and listed in the title commitment dated December 03, 2012, File Number 107564T, issued by The Title Company Incorporated, with respect to the subject property, has been shown on the survey, together with appropriate recording references, to the extent that such matters can be located. The property shown on the survey is the property described in that Title Commitment. The location of all improvements on the subject property is in accord with minimum setback provisions and restrictions of record referenced in such title commitment.

6. The subject property has direct access to and from a duly dedicated and accepted public streets known as St. Cloud Street, George Street and St. Andrew Street.

7. Subject parcel does mathematically close.

8. Subject parcel is the same parcel as described in the Title Commitment File Number 107564T.

9. There was no observed evidence of earth moving work, building construction or building additions at the time of the field visit.

10. There is no known proposed changes in street right of way width or sidewalk repairs.

11. There was no observed evidence of the site being used for a solid waste dump, sump or sanitary landfill at the time of the field visit.

The parties listed above and are entitled to rely on the survey and this certificate as being true and accurate.

Ronald D. Jasperson
Ronald D. Jasperson, Registered Land Surveyor
Registration No. 2564
1-30-2013

WISCONSIN
RONALD D. JASPERSON
S-2564
DURAND
WI
LAND SURVEYOR

DESCRIPTION AS SHOWN IN SCHEDULE A, TITLE COMMITMENT FILE NUMBER 107564T, DATED December 03, 2012
Part of the SW 1/4 of the NE 1/4 of Section 29, Township 16 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin described as follows: Commencing at the Southwest corner of said SW 1/4 of the NE 1/4; thence North 30.00 feet to the extended North right-of-way line of St. Andrew Street, thence along said extended North right-of-way line South 89 degrees 34 minutes 30 seconds East 37.00 feet to the East right-of-way line of George Street and the point of beginning of this description; Thence along said East right-of-way line North 100.00 feet; thence continuing along said East right-of-way line North 01 degrees 18 minutes 05 seconds West 306.73 feet; thence North 89 degrees 49 minutes East 111.25 feet; thence North 52.00 feet; thence North 89 degrees 49 minutes East 36.75 feet; thence North 298.72 feet to the South right-of-way line of St. Cloud Street; thence along said South right-of-way line South 89 degrees 39 minutes 46 seconds East 58.68 feet; thence continuing along said South right-of-way line South 05 degrees 16 minutes East 5.50 feet; thence continuing along said South right-of-way line South 89 degrees 38 minutes East 465.64 feet; thence continuing along said South right-of-way line North 45 degrees 04 minutes 38 seconds East 73.00 feet; thence South 14 degrees 15 minutes 48 seconds East 283.81 feet; thence South 62 degrees 19 minutes East 130.40 feet to a point 18 feet distant, measured at right angles from centerline of the main track of the Chicago and North Western Transportation Company; thence South 27 degrees 41 minutes West 554.00 feet parallel with said centerline to the North right-of-way line of St. Andrew Street; thence along said North right-of-way line North 89 degrees 34 minutes 30 seconds West 643.15 feet to the point of beginning.

DESCRIPTION AS SHOWN ON THIS SURVEY:
Part of the SW 1/4 of the NE 1/4 of Section 29, Township 16 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin, more particularly described as follows:
Commencing at the East Quarter corner said Section 29; Thence S89°33'34"W 2638.02 feet along the east-west quarter line said Section 29 to the southwest corner said SW/NE; Thence N00°50'40"E 30.46 feet along the west line said SW/NE; Thence N89°37'08"E 36.10 feet to the point of beginning; Thence N00°48'22"W 100.00 feet; Thence N02°04'38"W 307.38 feet; Thence N88°54'06"E 110.80 feet; Thence N00°50'18"W 52.07 feet; Thence N89°00'17"E 36.73 feet; Thence N00°47'52"W 298.63 feet to the south right of way line of St. Cloud Street; Thence N89°30'30"E 59.42 feet along the south right of way line of St. Cloud Street; Thence S04°26'03"E 5.46 feet; Thence N89°29'15"E 465.64 feet along the south right of way line of St. Cloud Street; Thence N44°33'37"E 72.50 feet along the south right of way line of St. Cloud Street; Thence S15°04'06"E 283.77 feet; Thence S63°12'40"E 130.46 feet; Thence S26°52'37"W 553.64 feet to the north right of way line of St. Andrew Street; Thence S89°37'08"W 643.18 feet along the north right of way line of St. Andrew Street to the point of beginning.

Said parcel contains 539,789 square feet (12.39 acres), more or less.

Schedule B Exception Items Title Commitment File No. 107564T

Item #10 — Warranty Deed, La Crosse Rubber Mills Company to The Trane Company, Volume 207, Page 392, Doc. #240736.
—The watermain described in description was located based on the property based on above ground observations of flagging and paint marks.

Item #11 — Agreement between La Crosse Rubber Mills Company and The Trane Company, Volume 415, Page 316 as Document #772634.
—The Sanitary Sewer described in the description was located on the property based on above ground observation. Sanitary sewer line noted on map.

Item #12 — Second Sewer Agreement between La Crosse Rubber Mills Company and The Trane Company, Volume 819, Page 648, Document #889958.
—The Sanitary Sewer described in the description was located on the property based on above ground observation. Sanitary sewer line noted on map.

Item # 13 — Limited Highway Easement granted by the Trane Company to the City of La Crosse, Volume 335, Page 392, Document #720219.
—Unable to read the deed provided to the surveyor. Easement not shown or noted on map.

Item # 14 — Quit Claim Deed from Chicago and North Western Transportation Company to the Trane Company, Volume 819, Page 151, Document #889577.
—Quit Claim of a 40 foot by 900 foot parcel of land from Chicago and North Western Transportation Company to the Trane Company.

Item # 15 — Bus-Stop Shelter Easement granted by the Trane Company to the City of La Crosse, Volume 659, Page 963, Document #916858.
—As shown on map.

Item # 16 — Limited Highway Easement granted by the Trane Company to the City of La Crosse, Volume 338, Page 635, Document #722039.
—As shown on map.

Item # 17 — Memorandum of Lease between La Crosse Industrial Park Corporation and La Crosse Footwear, Volume 1192, Page 780, Document #1179110.
—Boundary description of property within this Lease describes the current parcel.

Item # 18 — Memorandum of Sublease between the La Crosse Footwear and Trane Company, Volume 1192, Page 791, Document #1179112.
—Boundary description of property within this Lease describes the current parcel.

Item # 19— License, executed by Chicago and North Western Railway Company to the City of La Crosse, Volume 376, Page 302, Document #749825.
—Unable to read the deed provided to the surveyor.

Item # 20 — Easement Deed for Sewer or Water by the Trane Company to the City of La Crosse, Volume 469, Page 391, Document #801599.
—As shown on map.

Item # 22 — Agreement between Gateway Development Company, Inc. and the City of La Crosse, Volume 727, Page 799, Document #958054.
—Showed described watermain easement on map.

Item # 23 — Deed by Corporation between La Crosse Industrial Park Corporation, La Crosse Footwear, Inc. and the City of La Crosse, Volume 1293, Page 548, Document #1217485.
—Easement for Highway Purposes. Shown on map.

Item # 24 — Quit Claim Deed between La Crosse Footwear, Inc. The Trane Company Inc. and the City of La Crosse, Volume 1293, Page 553, Document #1217486.
— Quit Claim Deed — An Easement for highway purposes to the City of La Crosse. Shown on Map.

JOB NO.	2294-0007
BOOK NO.	
DRAWN BY	RDJ
CHECKED BY	
DATE	January 30, 2013
REVISIONS	
REFERENCE FILE	L2294-007
DRAWING FILE	LADC Site 12-2012.dwg

Cedar corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com
engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

LA CROSSE INDUSTRIAL PARK CORPORATION
ALTA/ACSM LAND TITLE SURVEY
LA CROSSE, WI

SHEET NO.
1 OF 1

City of La Crosse - Online Mapping

ESRI | ESRI Support Center | Help

Find Parcel By Address | Find Parcel By ID | Print

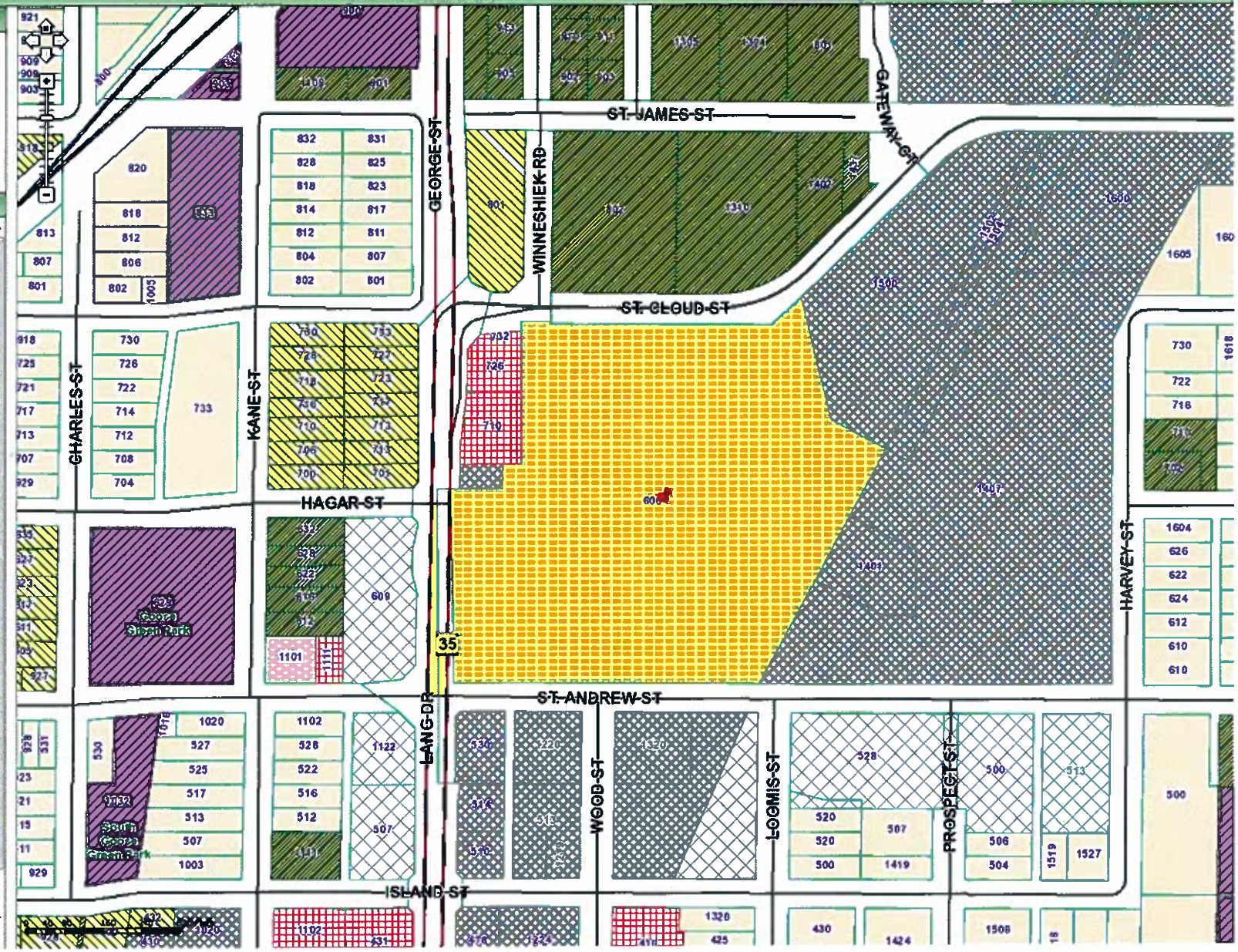
1:2,400

Results

- 1319 ST ANDREW ST (1)
  - 1319 ST ANDREW ST

Map Contents

- Contour Index
  - 5 Foot Index Contours
- Contour Intermediate
  - 1 Foot Intermediate Contours
- Basemap
  - Property Addresses
  - Tax Parcels
  - Zoning
    - Zoning
      - R1 - SINGLE FAMILY
      - R2 - RESIDENCE
      - WR - WASHBURN RESIDENTIAL
      - R3 - SPECIAL RESIDENCE
      - R4 - LOW DENSITY MULTIPLE
      - R5 - MULTIPLE DWELLING
      - R6 - SPECIAL MULTIPLE
      - PD- PLANNED DEVELOPMENT
      - TND - TRADITIONAL NEIGHBORHOO
      - C1 - LOCAL BUSINESS
      - C2 - COMMERCIAL
      - C3 - COMMUNITY BUSINESS
      - M1 - LIGHT INDUSTRIAL
      - M2 - HEAVY INDUSTRIAL
      - PS - PUBLIC AND SEMI-PUBLIC
      - PL - PARKING LOT
      - UT - PUBLIC UTILITY
      - CON - CONSERVANCY
      - FW - FLOODWAY
      - A1 - AGRICULTURAL
      - EA
    - Airport Zoning
  - Public Safety
  - Transportation
  - Administrative Boundaries & Districts
  - Education
  - Recreation
  - Storm Water Utility
  - Water Resources and Flood Data
  - City and State Boundaries



Thursday, Jan 24, 2013 02:57 PM

I, the undersigned, believe that the attached legal description accurately describes the correct contaminated property.

Name: Bradley Tacheny Company: Trane, U.S., Inc.

Signature: Bradley Tacheny Date: 2-1-13