

Source Property Information

CLOSURE DATE: 08/28/2014

BRRTS #: 02-72-195027
ACTIVITY NAME: Nekoosa Papers Train Shed Reconstruction Area
PROPERTY ADDRESS: 301 Point Basse AVE
MUNICIPALITY: Nekoosa
PARCEL ID #: 3000150

FID #: 772052930
DATCP #:
PECFA#:

***WTM COORDINATES:**

X: 528417 Y: 426820

** 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:

- | | |
|---|--|
| <input type="checkbox"/> Groundwater Contamination > ES (236)
<input type="checkbox"/> Contamination in ROW
<input type="checkbox"/> Off-Source Contamination
<i>(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")</i> | <input checked="" type="checkbox"/> Soil Contamination > *RCL or **SSRCL (232)
<input type="checkbox"/> Contamination in ROW
<input type="checkbox"/> Off-Source Contamination
<i>(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")</i> |
|---|--|

Site Specific Obligations:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Soil: maintain industrial zoning (220)
<i>(note: soil contamination concentrations
between non-industrial and industrial levels)</i> | <input checked="" type="checkbox"/> Cover or Barrier (222)
<input type="checkbox"/> Direct Contact
<input checked="" type="checkbox"/> Soil to GW Pathway |
| <input checked="" type="checkbox"/> Structural Impediment (224) | <input type="checkbox"/> Vapor Mitigation (226) |
| <input type="checkbox"/> Site Specific Condition (228) | <input type="checkbox"/> Maintain Liability Exemption (230)
<i>(note: local government unit or economic
development corporation was directed to
take a response action)</i> |

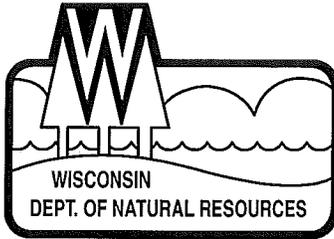
Monitoring Wells:

TW-1 transferred to
BRRTS #02-72-195031

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

Yes No N/A

* Residual Contaminant Level
** Site Specific Residual Contaminant Level



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Baumann, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830

August 28, 2014

BRRTS #02-72-195027

Mr. Mark Bessette
Domtar A.W. LLC..
301 Point Basse Avenue
Nekoosa, WI 54457

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Nekoosa Papers Train Shed Reconstruction Area
Domtar Papers, Nekoosa, Wisconsin

Dear Mr. Bessette:

The Department of Natural Resources (DNR) considers the Nekoosa Train Shed Reconstruction Area site 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 chs. NR 726 and 727, Wis. Adm. Code. The DNR West Central Region Closure Committee reviewed the request for closure on December 19, 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 December 23, 2014, and documentation that the conditions in that letter were met was received on June 16, 2014.

The Train Shed Reconstruction Area site (see Property Site Diagram, Figure B.1.a.1) was used to load and unload pulp high pH paper making supplies from rail cars. Prior to construction of the current train shed a remedial excavation was conducted. However, not all of the impacted soil could not be removed, and therefore, some impacted soil remains in-place. The conditions of closure and continuing obligations required were based on the property being used for industrial purposes.

In addition, the monitoring well used to assess groundwater conditions at this site is being transferred for continued monitoring as part of Domtar's Collapsed Sewer site (BRRTS #02-72-195031). Do NOT fill and seal these wells at this time. Well filling and sealing will be required of the Collapsed Sewer site for closure, upon conclusion of the cleanup of that site. This well is identified on the attached map, Soil Contamination, Figure 1 of the Maintenance Plan.

Continuing Obligations

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

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- One or more monitoring wells were approved to be kept for further monitoring. Annual inspections are required and the wells must be properly filled and sealed when monitoring has been completed.
- Pavement and the building must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.

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/clean.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 Wisconsin Rapids DNR Service Center, at 473 Griffith Avenue, Wisconsin Rapids, Wisconsin. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (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 and building foundation is required, as shown on the attached map, Soil Contamination, Figure 1 of the Maintenance Plan, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- 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 plan 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:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
1300 West Clairemont Avenue
Eau Claire, WI 54701

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

Soil contamination remains at sample locations S-3, S-6 and HA-3, as indicated on the attached map, Soil Contamination, Figure 1 of the Maintenance Plan. If soil in the specific locations described above is excavated in the future, the property owner 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 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 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 and building that exists in the location shown on the attached map, Soil Contamination, Figure 1 of the Maintenance Plan, shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code.

In this case, the building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

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 on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)

The remaining building adjacent to the Train Shed as shown on the attached map, Soil Contamination, Figure 1 of the Maintenance Plan, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal, and conduct an investigation of the degree and extent of high soil pH contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

In Closing

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 Tom Hvizdak at (715) 421-7850, or at tom.hvizdak@Wisconsin.gov.

Sincerely,


Connie Antonuk, Team Supervisor
West Central Region Remediation & Redevelopment Program

Attachments:

- Figure B.1.a.1, Property Site Diagram, Nekoosa papers Train Shed Reconstruction Area
- Maintenance Plan

c: Andrew Mott, AECOM, 558 N. Main St., Oshkosh, WI 54901
Tom Hvizdak, DNR

Maintenance Plan Attachment D, parts D.1. – D.5. of Form 4400-202

BARRIER MAINTENANCE PLAN

10/15/2013

Property Located at:
301 Point Basse Avenue, Nekoosa, Wisconsin 54457

WDNR BRRTS/Activity # 02-72-195027

LEGAL DESCRIPTION: CITY OF NEKOOSA S10 T21 R5E PRT GO LOTS 5, 6 & SE NW LYG ELY OF PT BASSE AVE & S OF SLN OF ALLEY 'BLKS 3, 4, 5 & 6 PLAT OF NEK' & SW OF HWY; E 6' OF PT BASSE, AND LOTS 1 THRU 8, BLK 3, LOTS 1 THRU 8, BLK 4, LOTS 1 THRU 8, BLK 5, LOTS 4 THRU 8, BLK 6 & VAC STREETS & ALLEY, EXC THAT PRT LYG SLY & ELY OF FERC LINE

Introduction

This document is the Maintenance Plan for a barrier 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 barrier occupying the area over the contaminated groundwater plume or soil on-site.

More site-specific information about this property may be found in:

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

Description of Contamination

Soil contaminated by historic operations of loading/unloading pulp laps, soap skimmings, black and green liquor, and sodium chlorate via rail and is located at a depth of approximately 3 feet below the rail bed near the Train Shed building at the Domtar Nekoosa Mill soil with residual impacts with a pH greater than 8 pH units. The extent of the soil contamination is shown on the attached Figure 1.

Description of the Barrier to be maintained

The Barrier consists of a two foot thick reinforced concrete slab covered by a building. It is located on the Domtar Mill property in Nekoosa, Wisconsin as shown on the attached Figure 1.

Cover and Building Barrier Purpose

The concrete slab and building over the contaminated soil serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. This barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater 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 barrier overlying the soil, as depicted in Figures 1 and 2, 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 and/or exposure to underlying soils. 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 and 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 Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and 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.

In the event the barrier overlying the contaminated soil be 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 barrier, 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 a Cover or Cap

The following activities are prohibited on any portion of the property where pavement, a building foundation, or other barrier 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

September, 2013

Site Owner and Operator:

Mark Bessette, Domtar
301 Point Basse Avenue, Nekoosa, Wisconsin 54457
715-866-7358

Signature:



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

Property Owner:

Mark Bessette, Domtar
301 Point Basse Avenue, Nekoosa, Wisconsin 54457
715-866-7358

Signature:



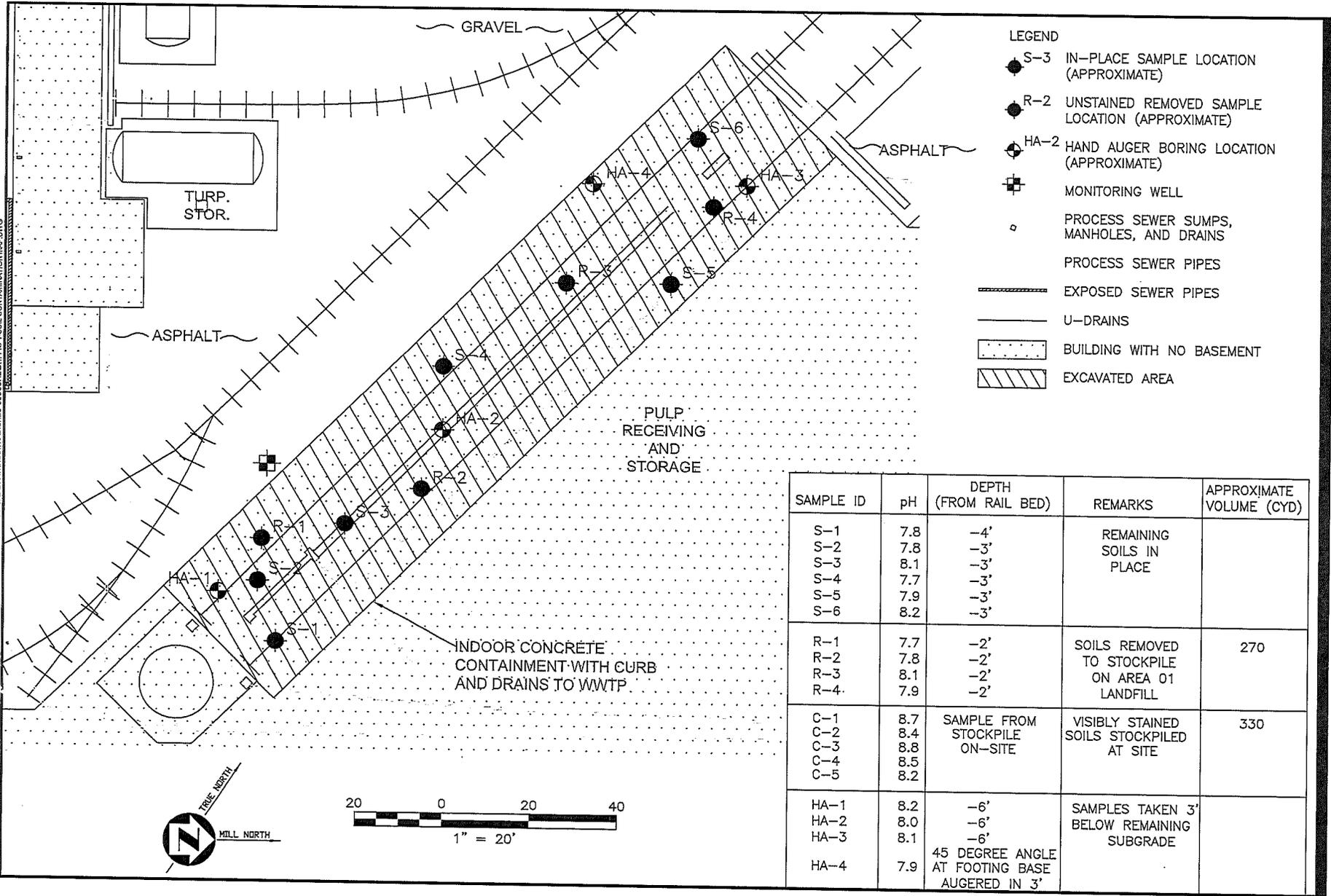
Consultant:

Andrew Mott
558 North Main Street, Oshkosh, Wisconsin 54901
920-236-6713

WDNR:

Tom Hvizdak
473 Griffith Avenue, Wisconsin Rapids, Wisconsin 54494
715-421-7850

Last saved by: KYLES (2013-02-16) Last Plotted: 2013-02-16
 Filename: \\USOCSHIFR001127\PROJECTS\PROJECTS\60302620_DOMTAR 2013 ENV\01000-WORKING\DOCS\CAD\DRAWINGS\TRANSHED CLOSED_RED_L-FIG 1 SOIL CONTAMINATION AREA.DWG
 Project Manager: Kyle S. Domlar
 Checked: _____
 Approved: _____
 ANSIB 11" x 17"



SAMPLE ID	pH	DEPTH (FROM RAIL BED)	REMARKS	APPROXIMATE VOLUME (CYD)
S-1	7.8	-4'	REMAINING SOILS IN PLACE	
S-2	7.8	-3'		
S-3	8.1	-3'		
S-4	7.7	-3'		
S-5	7.9	-3'		
S-6	8.2	-3'		
R-1	7.7	-2'	SOILS REMOVED TO STOCKPILE ON AREA 01 LANDFILL	270
R-2	7.8	-2'		
R-3	8.1	-2'		
R-4	7.9	-2'		
C-1	8.7	SAMPLE FROM STOCKPILE ON-SITE	VISIBLY STAINED SOILS STOCKPILED AT SITE	330
C-2	8.4			
C-3	8.8			
C-4	8.5			
C-5	8.2			
HA-1	8.2	-6'	SAMPLES TAKEN 3' BELOW REMAINING SUBGRADE	
HA-2	8.0	-6'		
HA-3	8.1	-6'		
HA-4	7.9	45 DEGREE ANGLE AT FOOTING BASE AUGERED IN 3'		



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Baumann, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830

December 23, 2013

BRRTS #02-72-195027

Mr. Mark Bessette
Domtar A.W. LLC.
301 Point Basse Avenue
Nekoosa, WI 54457

Subject: Conditional Closure Decision With Requirements to Achieve Final Closure
Nekoosa Papers Train Shed Reconstruction Area
Domtar Paper Mill, Nekoosa, Wisconsin

Dear Mr. Bessette:

On December 19, 2013, the Department of Natural Resources (DNR) West Central Region Closure Committee reviewed your request for closure of the case described above. The West Central Region 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 West Central Region Closure Committee has determined that the contamination from the sulfuric acid release on the site from the leaking sulfuric acid pipe 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 ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied.

MONITORING WELL ABANDONMENT

The monitoring 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/groundwater/forms.html>.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with the applicable rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web). The site may be viewed on the Remediation and Redevelopment Sites Map (RRSM), on the GIS Registry layer. To review the site on BRRTS on the Web, or to view the GIS Registry web page, see <http://dnr.wi.gov/topic/Brownfields/rrsm.html>.

CONTINUING OBLIGATIONS

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement and/or structures must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.

In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspection will be required to be kept on site.

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

- 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.
- 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.
- Property owner fails to maintain or comply with a continuing obligation (imposed under the final closure approval letter).

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 421-7850, or by email at tom.hvizdak@wi.gov.

Sincerely,



Tom Hvizdak
Hydrogeologist

c: Andrew Mott, AECOM, 558 N. Main St., Oshkosh, WI 54901

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.	Parcel ID No.		
02-72-195027	3000150		
BRRTS Activity (Site) Name	WTM Coordinates		
Nekoosa Papers Train Shed Reconstr Area	X 528417	Y 426820	
Street Address	City	State	ZIP Code
301 Point Basse Ave	Nekoosa	WI	54457
Responsible Party (RP) Name	Mark Bessette		
Company Name	Domtar A.W. LLC		
Street Address	City	State	ZIP Code
301 Point Basse Ave	Nekoosa	WI	54457
Phone Number	Email		
(715) 886-7358	mark.bessette@domtar.com		

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

Environmental Consultant Name	Andrew Mott		
Consulting Firm	AECOM		
Street Address	City	State	ZIP Code
558 North Main Street	Oshkosh	WI	54901
Phone Number	Email		
(920) 236-6713	Andrew.Mott@aecom.com		
Acres Ready For Use	Voluntary Party Liability Exemption Site? <input type="radio"/> Yes <input checked="" type="radio"/> No		
0.5			

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 \$ \$950.00

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.
The mill property occupies approximately 25.9 acres and is located along the northwest side of the Wisconsin River in the City of Nekoosa, Wood County, Wisconsin. The property is located in an industrial/commercial area. The property is mainly comprised of Mill buildings, railroad tracks, and asphalt out lots. The site is generally bordered on the west by residential properties, to the north by manufacturing and commercial properties, and to the east and south by the Wisconsin River.
- B. **Prior and current site usage:** Specifically describe the current and historic occupancy and types of use.
The site has and is currently being used as a paper mill.
- C. Describe how and when site contamination was discovered.
In 1996, during the Market Street rail crossing construction project, impacted soil was discovered in an area traditionally used for loading/unloading pulp laps, soap skimmings, black and green liquor, and sodium chlorate via rail.
- D. Describe the type(s) and source(s) or suspected source(s) of contamination.
The liquid loading/unloading area had a concrete pad which was pitched to the mill sewer but historic sills of the pulp laps, soap skimmings, black and green liquor, and sodium chlorate could have entered the subsurface between the railroad tracks which were not covered with an impervious surface.
- E. Other relevant site description information (or enter Not Applicable).
Not Applicable
- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.
Nekoosa Papers Train Shed Reconstr Area - BRRTS No. 0272195027 (Open)
Nekoosa Papers Sulfuric Acid Spill - BRRTS No. 0272195035 (Open)
Nekoosa Papers New Chemical Storage Area - BRRTS No. 0272195034 (Closed)
Nekoosa Papers Evaporator Sewer Failure - BRRTS No. 0272195029 (Open)
Nekoosa Papers Nekoosa Mill - BRRTS No. 0272000464 (Closed)
Nekoosa Papers - BRRTS No. 0372000254 (Closed)
Nekoosa Papers New Pulp Storage Tnk Area - BRRTS No. 0272195036 (Open)
Nekoosa Papers Collapsed Sewer Wood Rm - BRRTS No. 0272195031 (Open)
Nekoosa Woodyard - BRRTS No. 0372001077 (Closed)
Nekoosa Papers New Alkali Plt Weak Wash - BRRTS No. 772052930 (Open)
- 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.
No adjacent properties have been impacted by this site. Properties immediately adjacent to this site with BRRTS activities are as follows:
Resheske Inc - BRRTS No. 0372000048 (Adjacent to site)
Nekoosa Phillips - BRRTS No. 0372099210 (Adjacent to site)
Effluent Treatment Plt - BRRTS No. 0372000901 (Adjacent to site)
- H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to the Wood County Land Records Interactive Map, version 2.3.1, the site is zoned for manufacturing and the neighboring properties are zoned as manufacturing, mercantile, and residential.

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.
Underlying the Mill site is glacial outwash sand comprised of the Plainfield Series to a depth of at least 20 feet below ground surface (bgs). The glacial drift is underlain by Cambrian age sandstone and Precambrian age granite and gneiss.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
During the reconstruction of the Train Shed, a layer of stained pea gravel was found 1.5 feet below ground surface (bgs) and extended to a maximum depth of approximately 6 inches. The area (60 by 180 feet) was found to have varying degrees of stained soil. The pea gravel was apparently installed during original construction to help drain the track area. The pea gravel drainage area may have a tendency to spread the contamination over a wider area.
A groundwater monitoring well was installed at the nearest point outside of the foundation area. During the installation

of a well, TW-1, the following soil conditions were encountered: granular fill soils to an approximate depth of 6 feet, underlain by natural sand to an approximate depth of 10 feet, underlain by sand and gravel to the termination depth of the borehole (15.5 feet). Cinders were encountered in the upper 1.5 feet.

- iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.
Bedrock was not encountered during the investigation. Deeper borings advanced on the property indicate bedrock is greater than 20 feet deep.
- 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).
The property is mainly comprised of impervious surfaces (Mill buildings, railroad tracks, and paved out lots). Gravel and vegetated areas are present on site generally along the Wisconsin River. Final construction of the Train Shed floor consisted of compacted stone followed by two feet of reinforced concrete. The concrete was pitched to drainage trenches which are connected to the Mill's waste water treatment plant.

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.
Based on previous work performed on the site, groundwater has been measured in the temporary monitoring well approximately seven to ten feet below ground surface.
- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
A groundwater monitoring well was installed down-gradient of the impacted area, outside the building.
- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
Based on a 1991 RMT study performed on the overall mill property, hydraulic conductivity is between 3.4×10^{-4} to 6×10^{-3} cm per second with the gradient ranging from 0.002 to 0.04. According to the study, groundwater generally flows northwest away from the river.
- iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.
The City of Nekoosa potable and municipal wells are greater than one mile from 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.
As part of the replacement of the Market Street rail crossing construction work, stained soil was encountered in an area traditionally used for loading/unloading pulp laps, soap skimmings, black and green liquor, and sodium chlorate via rail. Sodium hydro-sulfide was also unloaded during a short period of time according to mill personnel. As part of the replacement, a new concrete floor and foundation was to be placed and the rails and ties in the covered rail loading/unloading area were also to be replaced. Removal of ties, rail and concrete began on September 5, 1996. Stained soil was encountered in the covered area on September 9, 1996 and reported to the Wisconsin Department of Natural Resources. The source of contamination was believed to be historic in nature and could have resulted from small leaks entering between the tracks over the years. The original building over the area was constructed in 1959. The liquid unloading areas had a concrete pad which was pitched to the mill sewer.

During excavation, a layer of "pea gravel" was found approximately 1.5 feet under the surface and was apparently installed during original construction to help drain the track area. The contamination did not appear to penetrate significantly below the pea gravel, approximately 6 inches or less. The excavation area, approximately 60 by 180 feet, was found to have a varying degree of stained soil. The area was excavated to a depth of about one foot below the foundations of loading docks in the building. Further excavation was not performed due to the structural integrity of the foundations. Clean and stained soil was segregated. Based on pH and soil appearance, approximately 270 cubic yards of clean soil and 330 cubic yards of contaminated soil was excavated. Soil samples from hand augers performed within the impacted area were taken 3 feet below the remaining subgrade, approximately 6 feet below the rail bed. The nature of the materials handled in the train shed area suggested that appropriate testing parameters for soil samples would be sulfide, sulfate, and sodium. Following excavation, base course was installed, the reinforced concrete slab was poured, and the rail road tracks were reinstalled. Further movement of the sodium impacts is not expected because any liquid penetration would be inhibited from the concrete slab and building covering the area.

Based on sampling from hand augers, the extent of elevated sodium was limited to the area around HA-1. A temporary groundwater monitoring well was installed outside of and to the west of the train shed near HA-1. The well was

installed down-gradient of the excavated area outside of the building to identify the extent and degree of impacts in the soil and groundwater. Soil samples were collected during the monitoring well installation. Groundwater monitoring took place in 1996, 1998, 2000, 2003, 2005, and 2013.

- 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.

Based on visual observations and the field pH measurements made during the excavation of the soil, it was STS's opinion that the extent of elevated sodium was limited to the area around HA-1. During excavation, impacted soils near the train shed reconstruction area were observed extending vertically in a layer of pea gravel encountered 1.5 feet below ground surface to a depth of approximately 6 inches. It is anticipated that the horizontal extent of the impacts is was limited to the area traditionally used for loading/unloading pulp lops, soap skimmings, black and green liquor, and sodium chlorate via rail. The pea gravel drainage area may have spread the contamination over a wider area. Following excavation, movement of impacts is not expected because liquid penetration would be inhibited from the concrete slab and building covering the area. In addition, the area surrounding the building is covered with a pavement surface.

Impacted groundwater has been monitored at approximately seven to ten feet below ground surface near the train shed. The horizontal extent of groundwater contamination is unknown because groundwater off-site has not been monitored.

- 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.

Impacted soil was excavated during the reconstruction of the Train Shed. The excavated soil was disposed of in the Domtar 03 Landfill. Final construction of the Train Shed floor consisted of compacted stone followed by two feet of reinforced concrete covered by a building. The concrete floor was pitched to drainage trenches which are connected to the Mill's wastewater treatment plant.

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.

Stained soil was encountered in an area traditionally used for loading/unloading pulp lops, soap skimmings, black and green liquor, and sodium chlorate via rail. Sodium hydro-sulfide was also unloaded during a short period of time according to mill personnel. The contaminated soil was excavated during the Train Shed reconstruction. The area was excavated to a depth of about one foot below the foundations of the loading docks in the building, approximately 3 feet below railroad ties. This was as much excavation as possible without jeopardizing the foundations. Prior to excavation, the pea gravel drainage area under the railroad tracks may have spread the contamination over a wider area. Post construction, further movement of the sodium in the soil was not expected because liquid penetration would be inhibited by the fact that the area is covered with a building with a concrete seal above the soil and below the loading area.

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

Soil was excavated to 3 feet below the railroad ties and backfilled with clean base course material and 2 feet of reinforced concrete. Soil samples were taken 3 feet below the remaining subgrade from hand augers. In addition, a composite sample was taken from the impacted stockpiled material for analysis. The soil samples were analyzed for sulfide, sulfate, and sodium. Sulfate and sodium were detected in the samples above the reporting limits. Sulfide was analyzed but not detected in any of the samples. Based on the analytical results, soil left in place below 3 feet was impacted. The reinforced concrete slab acts as a barrier.

- 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.

SS RCLs were not established for pH. However, based on pH sampling performed on other project sites on the mill property, 8 pH units or less was considered background.

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.

The nature of the materials handled in the train shed area (pulp lops, soap skimmings, black and green liquor, and sodium chlorate, and sodium hydro-sulfide) suggested that appropriate testing parameters for groundwater samples would be sulfite, sulfate, sodium, and pH. Sulfite was not detected during the first two sampling events and was not tested for after 1996. Total Sulfate and Sodium have been detected in the groundwater from sampling events from the temporary monitoring well near the building. Historic levels of total sulfate have exceeded the enforcement standard (ES), however, two consecutive samples collected in 2013 were reported below the preventative action limit (PAL). Sodium concentration levels have ranged from 295 to 2,360 mg/L. pH varied slightly from 6.3 to 6.9 and are generally within background levels.

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations.
Free product was not observed at the 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.
Compounds of concern were reviewed to against EPA May 2013 Regional Screening Level (RSL) Table. The RSL Table do not list sodium or sulfate due to lack of volatilization and as such is not considered a concern for vapors. In addition, soils that were visible impacted with material was excavated.
- 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).
The EPA/WDNR does not have action levels for sodium or sulfate due to lack of volatilization.

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.
Surface water is treated at the Mill's waste water treatment facility and sediment was not encountered near the impacted area.
- 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.
Surface water is treated at the Mill's waste water treatment facility and sediment was not encountered near the impacted area.

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.

The Train Shed concrete floor, foundation, rails and ties were reconstructed in the covered rail loading/unloading area in 1996. During removal of the floor, rails and ties, stained soil was observed. The area, approximately 60 by 180 feet, was excavated to a depth of approximately 3 feet below rail bed, which was about one foot below the foundations of loading docks in the building. Further excavation was not performed due to the structural integrity of the foundations. Clean and stained soil was segregated. Based on pH and soil appearance, approximately 270 cubic yards of clean soil and 330 cubic yards of contaminated soil was excavated. Soil samples from hand augers performed within the impacted area were taken 3 feet below the remaining subgrade, approximately 6 feet below the rail bed. Following excavation, base course was installed, the reinforced concrete slab was poured, and the rail road tracks were reinstalled. Further movement of the sodium impacts is not expected because any liquid penetration would be inhibited from the concrete slab and building covering the area.

Based on sampling from hand augers, the extent of elevated sodium was limited to the area around HA-1. A temporary groundwater monitoring well was installed outside of and to the west of the train shed near HA-1. The well was installed down-gradient of the excavated area outside of the building to identify the extent and degree of impacts in the soil and groundwater. Soil samples were collected during the monitoring well installation. Groundwater monitoring took place in 1996, 1998, 2000, 2003, 2005, and 2013.

The remedial action was documented in a letter dated September 12, 1996.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.
No action were taken under ch. NR 708 but approximately 330 cubic yards of contaminated soil was excavated during the Train Shed construction project.
- 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.

An excavation was conducted in the area to approximately 3 feet below the rail bed. The material was disposed of at the Domtar 03 Landfill. Following excavation, base course was installed, the reinforced concrete slab was poured, and the rail road tracks were reinstalled. Further movement of the sodium impacts is not expected because any liquid penetration would be inhibited from the concrete slab and building covering the area. The groundwater has been monitored near the building. Groundwater sampling indicates that sulfate is significantly below historic levels and below the Enforcement Standards (ES) and Preventative Action Limit (PAL). Sodium and pH have been detected at levels consistent with previous sampling results.

- 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.
- Sulfate has been detected in the monitoring well but has dropped to a level below the Enforcement Standards (ES) and Preventative Action Limit (PAL). Natural attenuation should only further reduce the level of sulfate in the groundwater. Sodium has been detected in the monitoring well, however, at this time, sodium does not have an ES or PAL.
- 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.
- Excavation at the time of remediation was performed to a depth of approximately 3 feet below rail bed due to structural integrity of the nearby building foundation. Soils below 3 feet were sampled in 1996. A concrete slab has been placed over the excavated area. Residual pH impacted soils were left in place above a pH of 8 pH units as indicated on Figure B.2.b.
- F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.
- Impacted soils were left in place below a depth of approximately 3 feet below rail bed due to structural integrity of the nearby building foundation. Soils below 3 feet were sampled in 1996 for pH. Some soils remain in place with a pH of 8 pH units. Groundwater has been measured between 7 and 10 feet below ground surface and 3 feet below impacted soils. Groundwater samples have been collected at various times from 1996 to 2013 with pH levels remaining within background levels.
- 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.
- The area has been capped with a concrete slab. Based on analytical results, natural attenuation has shown that groundwater contamination has decreased and is below the ES and PAL for sulfate.
- 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).
- Based on analytical results, natural attenuation has shown that groundwater contamination has decreased and is below the ES and PAL for sulfate.
- 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.
- The impacted soil was excavated, backfilled with base course, and covered with a reinforced concrete slab. A groundwater monitoring well was installed to monitor groundwater impacts. Groundwater has been measured between 7 and 10 feet below ground surface. Groundwater contamination has decreased and as of 2013, is below the ES and PAL for sulfate.
- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
- Not Applicable. The groundwater monitoring well will be abandoned.
- 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.
- Not Applicable. Sulfate concentrations are below the ES and PAL. Sodium has been detected, however, there are not ES or PAL standards for sodium. pH has been detected but is at background levels.
- 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.
- Not Applicable. Vapor mitigation was not performed due to the soluble nature of the contamination material.
- 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.
- Not Applicable. Surface water and sediment were not affected. The area has been capped by concrete. In addition, surface water is directed to the Mill's waste water treatment facility.

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.	<input type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure passive system	✓	✓
iv.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure active system	✓	✓
v.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	<input type="checkbox"/>	<input type="checkbox"/>	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Monitoring wells: lost, transferred or remaining in use	✓
iv.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Structural Impediment (not as a performance standard)	✓
v.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination remaining at ch. NR 720 Industrial Use levels	✓
vi.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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://dnrm.wisconsin.gov/imf/imf.jsp?site=brts2>) 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 Contaminant 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/topic/groundwater/documents/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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Industrial land use soil standards were used for the clean-up standard.
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor assessment needed if use changes.
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural impediment.
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lost, transferred or open monitoring wells.
9.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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, 0 (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.

**Table A.1. - Groundwater Analytical Table
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Train Shed Temporary Monitoring Well Analytical Results

Well	Date	Sulfite mg/l	Sulfate ES 250 PAL 125 mg/l	Sodium mg/l	Conductivity um/cm	pH
Train Shed Temp Well	10/29/96	ND	4010	2360	NM	NM
	06/18/96	ND	620	784	4340	6.92
	05/19/00	NM	72.3	295	2100	6.85
	12/11/02	NM	252	1420	6330	6.65
	10/15/03	NM	319	623	NM	NM
	10/19/05	NM	318	746	NM	6.39
	12/07/05	NM	307	1100	NM	6.32
	6/19/2013	NM	44	496	NM	6.5
	8/15/2013	NM	78	1600	NM	6.8

Notes:

ND = Not Detected

NM = Not Measured

**Table A.2. - Pre-remedial Soil Analytical Table
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Pre-remedial soil sampling was not conducted.

**Table A.3 - Post-remedial Soil Analytical Table
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Soil Analytical Results Post Excavation

Sample ID	Date	Depth (From Rail Bed)	Notes	pH	Sulfide	Sulfate	Sodium
		feet			mg/kg	mg/kg	mg/kg
S-1	9/10/1996	-4	Soil remaining in place	7.8	NM	NM	NM
S-2	9/10/1996	-3		7.8	NM	NM	NM
S-3	9/10/1996	-3		8.1	NM	NM	NM
S-4	9/10/1996	-3		7.7	NM	NM	NM
S-5	9/10/1996	-3		7.9	NM	NM	NM
S-6	9/10/1996	-3		8.2	NM	NM	NM
R-1	9/10/1996	-2	Soils Removed and Stockpiled on Area 01	7.7	NM	NM	NM
R-2	9/10/1996	-2		7.8	NM	NM	NM
R-3	9/10/1996	-2		8.1	NM	NM	NM
R-5	9/10/1996	-2		7.9	NM	NM	NM
C-1	9/10/1996	--	Visible Stained Soils Stockpiled at Site	8.7	NM	NM	NM
C-2	9/10/1996	--		8.4	NM	NM	NM
C-3	9/10/1996	--		8.8	NM	NM	NM
C-4	9/10/1996	--		8.5	NM	NM	NM
C-5	9/10/1996	--		8.2	NM	NM	NM
HA-1	9/10/1996	-6	Samples Taken 3 feet Below Remaining Subgrade or Rail Bed	8.2	ND	183	1940
HA-2	9/10/1996	-6		8	ND	61	371
HA-3	9/10/1996	-6		8.1	ND	70.3	425
HA-4	9/10/1996	-3 at 45 degree angle at booting base		7.9	NM	NM	NM
HA-5	9/16/1996	-6		NM	ND	ND	250
Stockpile	9/16/1996	--	--	NM	ND	194	2560

Notes:

- ND = Not Detected
- NM = Not Measured
- = Not Applicable

**Table A.4. - Pre and Post Remaining Soil Contamination Soil Analytical Table
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Soil Analytical Results Post Excavation

Sample ID	Date	Depth (From Rail Bed)	Notes	pH	Sulfide	Sulfate	Sodium
		feet			mg/kg	mg/kg	mg/kg
S-1	9/10/1996	-4	Soil remaining in place	7.8	NM	NM	NM
S-2	9/10/1996	-3		7.8	NM	NM	NM
S-3	9/10/1996	-3		8.1	NM	NM	NM
S-4	9/10/1996	-3		7.7	NM	NM	NM
S-5	9/10/1996	-3		7.9	NM	NM	NM
S-6	9/10/1996	-3		8.2	NM	NM	NM
R-1	9/10/1996	-2	Soils Removed and Stockpiled	7.7	NM	NM	NM
R-2	9/10/1996	-2		7.8	NM	NM	NM
R-3	9/10/1996	-2		8.1	NM	NM	NM
R-5	9/10/1996	-2		7.9	NM	NM	NM
C-1	9/10/1996	--	Visible Stained Soils Stockpiled at Site	8.7	NM	NM	NM
C-2	9/10/1996	--		8.4	NM	NM	NM
C-3	9/10/1996	--		8.8	NM	NM	NM
C-4	9/10/1996	--		8.5	NM	NM	NM
C-5	9/10/1996	--		8.2	NM	NM	NM
HA-1	9/10/1996	-6	Samples Taken 3 feet Below Remaining Subgrade or Rail Bed	8.2	ND	183	1940
HA-2	9/10/1996	-6		8	ND	61	371
HA-3	9/10/1996	-6		8.1	ND	70.3	425
HA-4	9/10/1996	-3 at 45 degree angle at booting base		7.9	NM	NM	NM
HA-5	9/16/1996	-6		NM	ND	ND	250
Stockpile	9/16/1996	--	--	NM	ND	194	2560

Notes:
 ND = Not Detected
 NM = Not Measured
 -- = Not Applicable

**Table A.5. - Vapor Analytical Table
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

It is unlikely that volatile organic vapors (VOCs) were generated from the source material. The contamination materials were soluble and not likely to accumulate as a discrete product layer. Therefore vapor collection was not conducted and there are no vapor analytical tables.

**Table A.6. Other Media of Concern
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

There was no other media of concern. Therefore other media was not collected and analyzed. There are no other media of concern analytical tables.

**Table A.7. Water Level Elevations
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Train Shed Temporary Monitoring Well Water Levels

Well I.D.	Date	Ground Surface Elevation (Feet)	TPVC Elevation (Feet)	Screen Interval (Feet)	Screen Interval Elevation (Feet)	Depth to Water below TPVC (Feet)	Depth of Water Below Ground Surface (Feet)	Groundwater Elevation (Feet)
Train Shed Temp Well	10/29/96	954.14	956.70	5.0-15.0	951.70 - 941.70	9	6.44	947.70
	11/06/96					10.9	8.34	945.80
	06/16/98					10.8	8.24	945.90
	06/18/96					10.7	8.14	946.00
	05/18/00					11.1	8.54	945.60
	10/31/02					11.2	8.64	945.50
	10/15/03					11.2	8.64	945.50
	10/18/05					11.2	8.64	945.50
	10/19/05					11.2	8.64	945.50
	12/07/05					11.3	8.74	945.40
	6/19/2013					11.03	8.47	945.67
8/15/2013	12.06	9.50	944.64					

Notes:

TPVC - Top of PVC

-- Not Measured

ND - No Detect

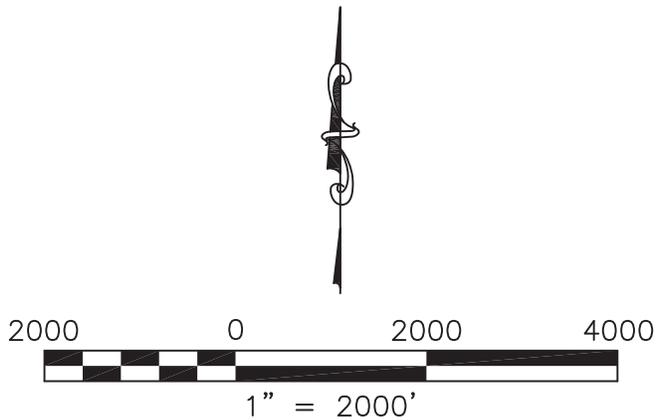
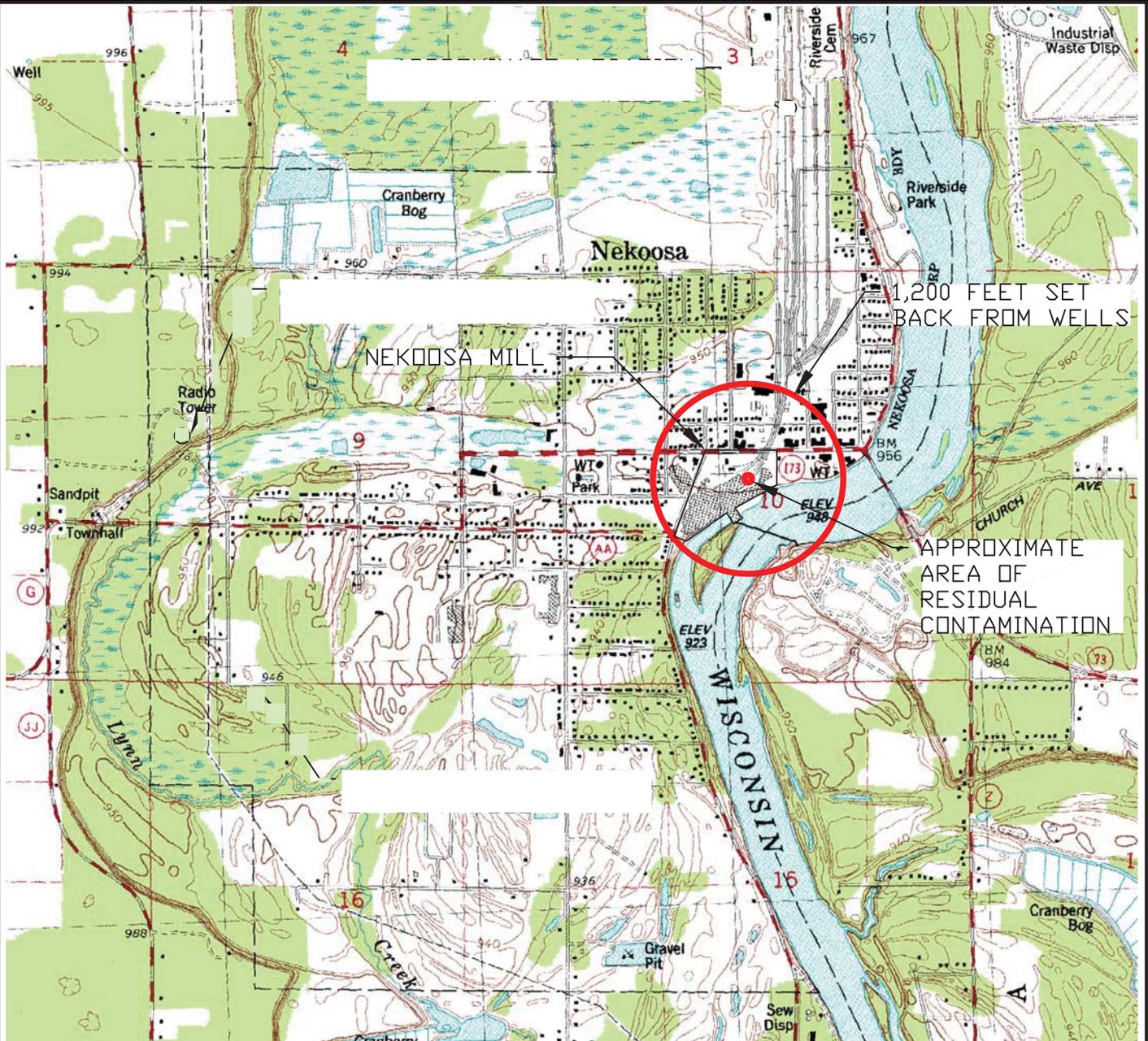
**Table A.8. Other
Domtar Train Shed Reconstruction Area
Nekoosa, Wisconsin**

Train Shed Temporary Monitoring Well Groundwater Data

Well I.D.	Date	Time	Turbidity	After Sampling Dissolved Oxygen (mg/L)	ORP	Temp	pH (Units)	Conductivity (umhos/cm)	Color	Petroleum Odor	Purged
Train Shed Temp Well	10/29/96	--	--	--	--	--	--	--	--	--	--
	11/06/96	--	--	--	--	--	--	--	--	--	Bailed 8 Gallons
	06/16/98	--	--	--	--	--	--	--	--	--	--
	06/18/96	--	--	--	--	--	--	--	--	--	--
	05/18/00	--	--	--	--	--	--	--	--	--	--
	10/31/02	--	--	--	--	--	--	--	--	--	Bailed 15 Gallons
	10/15/03	--	--	--	--	--	--	--	--	--	Bailed 15 Gallons
	10/18/05	--	--	--	--	--	--	--	--	--	Bailed 10 Gallons
	10/19/05	--	--	--	--	--	--	--	--	--	Bailed 15 Gallons
	12/07/05	--	--	--	--	--	--	--	--	--	Bailed 20 Gallons
	6/19/2013	12:15	--	--	--	--	7.00	--	--	--	--
	8/15/2013	12:06	Medium	3.20	--	21.52	6.41	6.80	Brown	--	--

Notes:
-- Not Measured

ANSI A 8.5" x 11" Approved: --- Checked: --- Designer: --- Project Management Initials: ---
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MAP SOURCE: MODIFIED FROM NEKOOSA, WIS, U.S.G.S. QUADRANGLE, DATED 1984

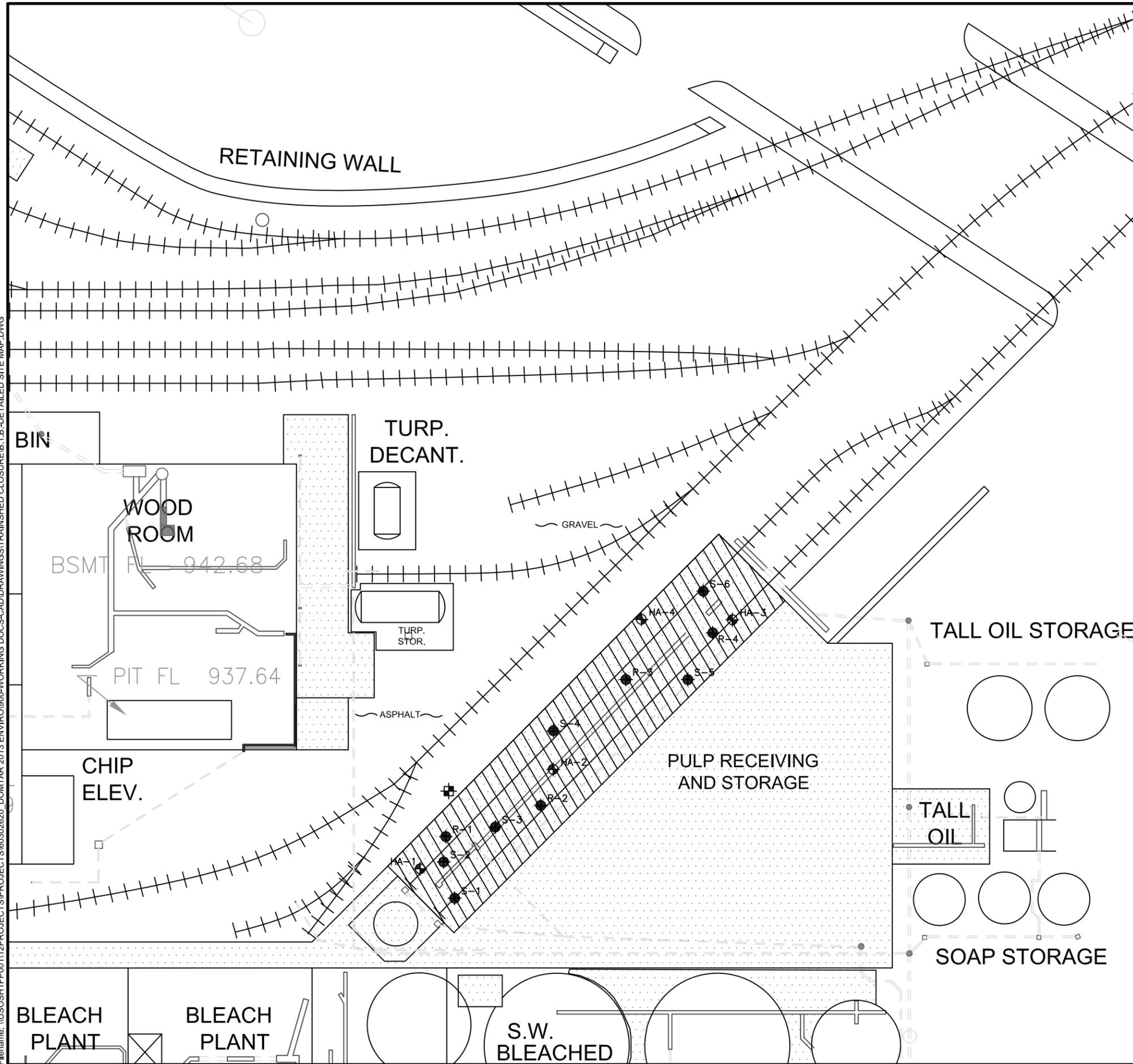
Nekoosa Papers Train Shed Reconstruction Area
BRRTS No. 02-72-195027
Domtar, Nekoosa, Wisconsin
Project No.: 60302620 2013-09-12

LOCATION MAP

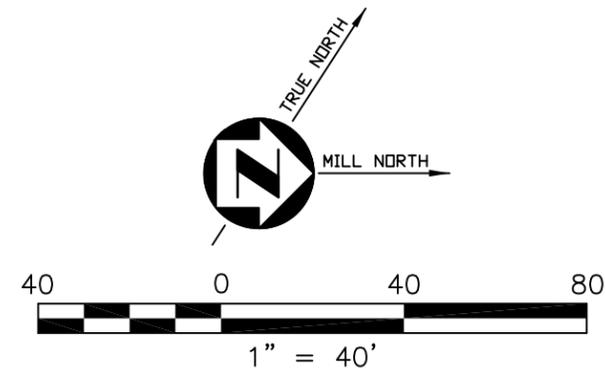


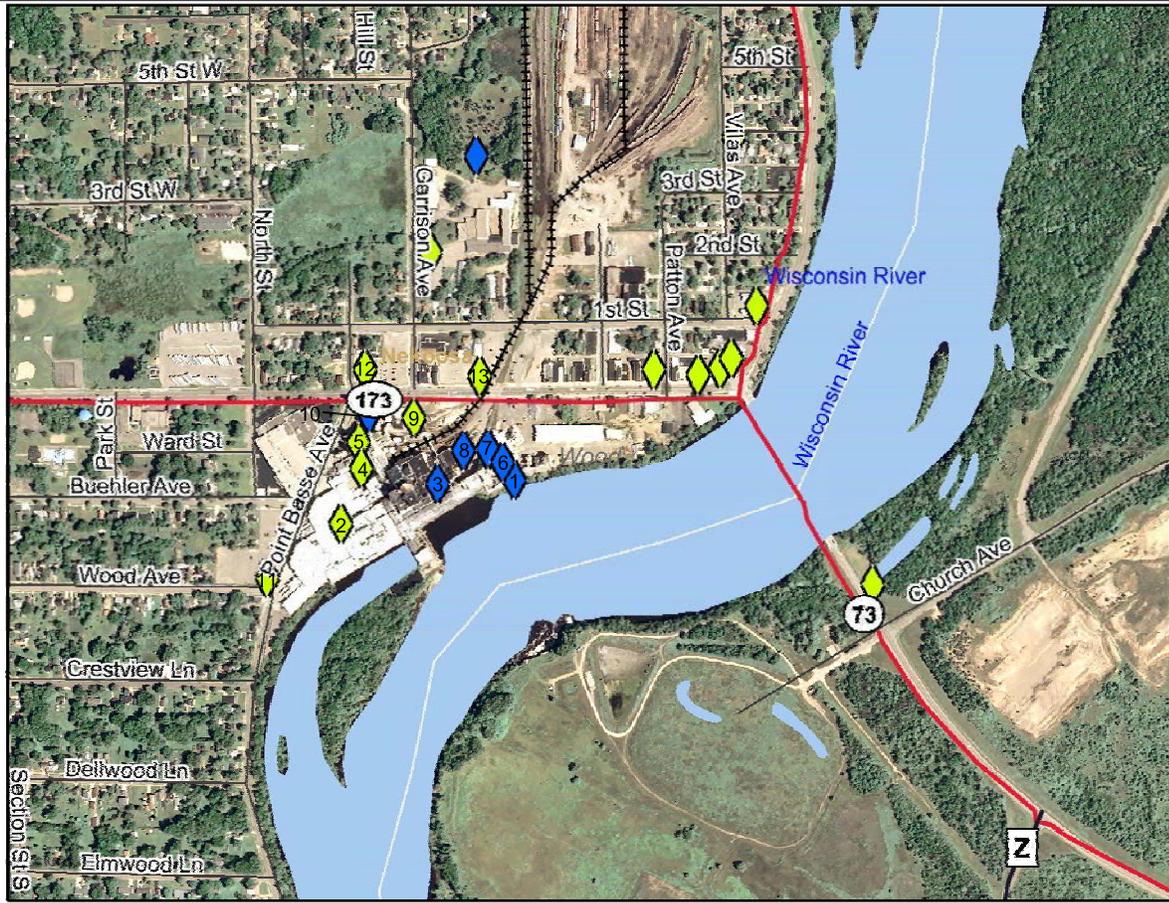
FIGURE B.1.a.

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 Project Management Initials: Designer: --- Checked: --- Approved: --- ANSIB 11" x 17"



- LEGEND**
-  S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
 -  R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
 -  HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
 -  MONITORING WELL
 -  PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
 -  PROCESS SEWER PIPES
 -  EXPOSED SEWER PIPES
 -  U-DRAINS
 -  BUILDING WITH NO BASEMENT
 -  EXCAVATED AREA AND INSTALLED CAP FOR SOILS WITH pH GREATER THAN 8.0 pH UNITS





Map created on Sep 12, 2013
 Note: Not all RR Sites have been geo-located yet.



BRRTS SITES ON THE SUBJECT PROPERTY

#	BRRTS NO.	NAME
1	0272195035	NEKOOSA PAPERS SULFURIC ACID SPILL
2	0272195034	NEKOOSA PAPERS NEW CHEMICAL STORAGE AREA
3	0272195029	NEKOOSA PAPERS EVAPORATOR SEWER FAILURE
4	0272000464	NEKOOSA PAPERS NEKOOSA MILL
5	0372000254	NEKOOSA PAPERS
6	0272195036	NEKOOSA PAPERS NEW PULP STORAGE TNK AREA
7	0272195027	NEKOOSA PAPERS TRAIN SHED RECONSTR AREA
8	0272195031	NEKOOSA PAPERS COLLAPSED SEWER WOOD RM
9	0372001077	NEKOOSA WOODYARD
10	772052930	NEKOOSA PAPERS NEW ALKALI PLT WEAK WASH

BRRTS SITES NEAR THE SUBJECT PROPERTY

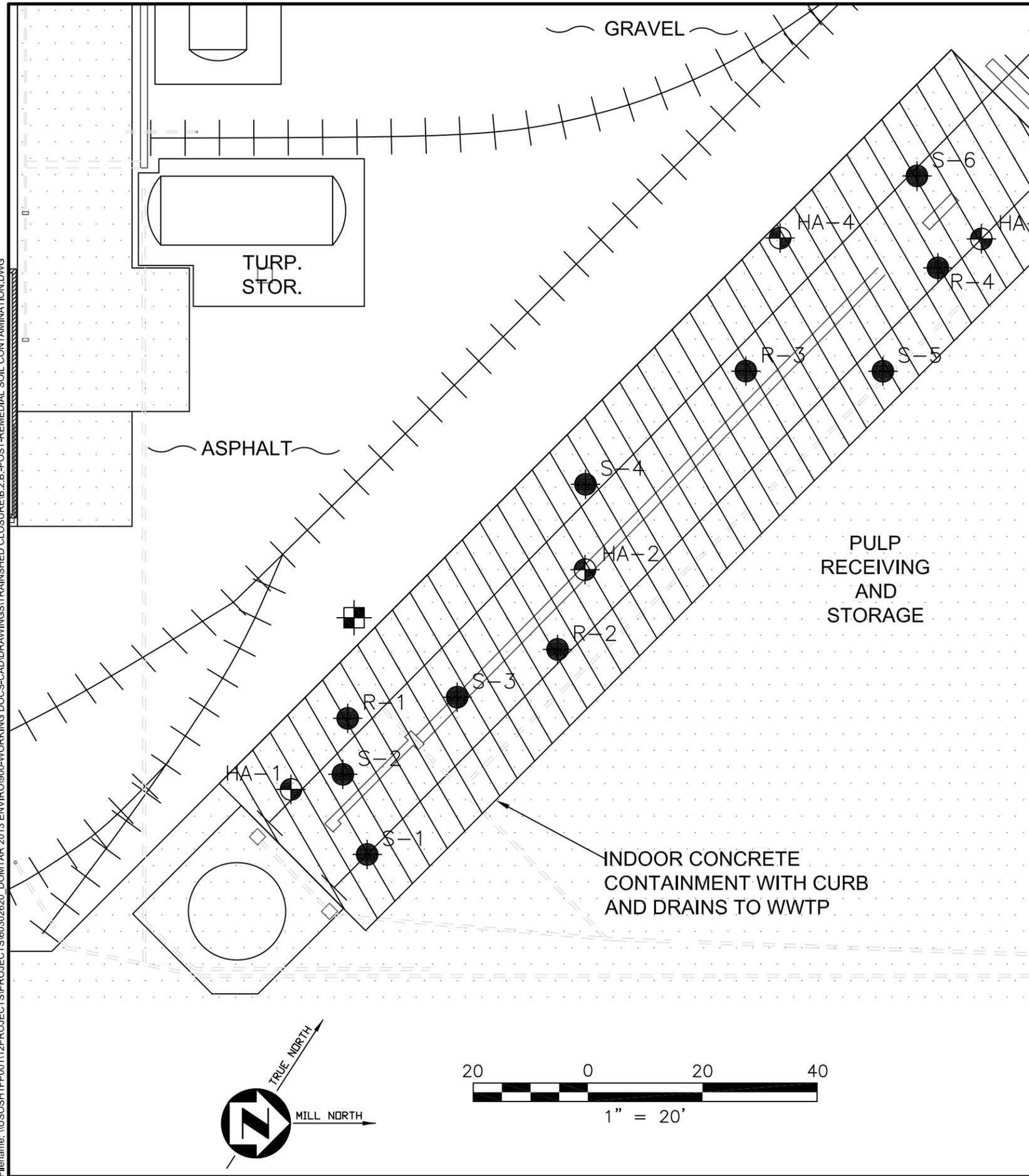
#	BRRTS NO.	NAME
11	0372000048	RESHESKE INC
12	0372099210	NEKOOSA PHILLIPS
13	0372000901	EFFLUENT TREATMENT PLT

Legend

- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- Railroads
- County Roads (WDOT)
- County Trunk Highway
- State and U.S. Highways (WDOT)
- State Trunk Highway
- US Highway
- Interstate Highways (WDOT)
- Interstate Highway
- Local Roads (WDOT)
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities

PRE-REMEDIAL SOIL ANALYTICAL DATA WAS NOT OBTAINED.

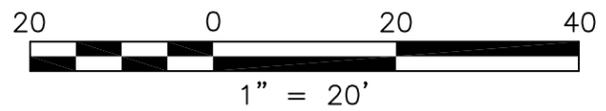
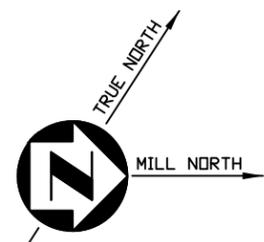
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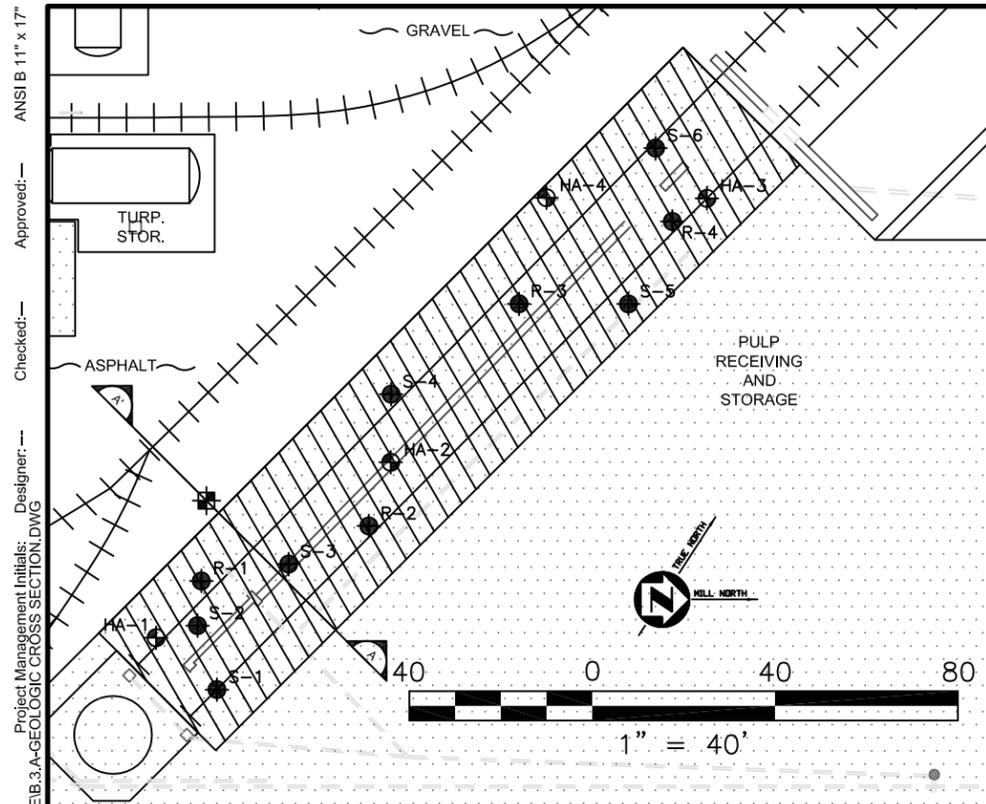
LEGEND

- S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
- R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
- ⊕ HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
- ⊠ MONITORING WELL
- ◇ PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
- - - - - PROCESS SEWER PIPES
- ▨ EXPOSED SEWER PIPES
- U-DRAINS
- ▤ BUILDING WITH NO BASEMENT
- ▨ EXCAVATED AREA AND INSTALLED CAP FOR SOILS WITH pH GREATER THAN 8.0 pH UNITS.

SAMPLE ID	pH	DEPTH (FROM RAIL BED)	REMARKS	APPROXIMATE VOLUME (CYD)
S-1	7.8	-4'	REMAINING SOILS IN PLACE	
S-2	7.8	-3'		
S-3	8.1	-3'		
S-4	7.7	-3'		
S-5	7.9	-3'		
S-6	8.2	-3'		
R-1	7.7	-2'	SOILS REMOVED TO STOCKPILE ON AREA 01 LANDFILL	270
R-2	7.8	-2'		
R-3	8.1	-2'		
R-4	7.9	-2'		
C-1	8.7	SAMPLE FROM STOCKPILE ON-SITE	VISIBLY STAINED SOILS STOCKPILED AT SITE	330
C-2	8.4			
C-3	8.8			
C-4	8.5			
C-5	8.2			
HA-1	8.2	-6'	SAMPLES TAKEN 3' BELOW REMAINING SUBGRADE	
HA-2	8.0	-6'		
HA-3	8.1	-6'		
HA-4	7.9	45 DEGREE ANGLE AT FOOTING BASE AUGERED IN 3'		



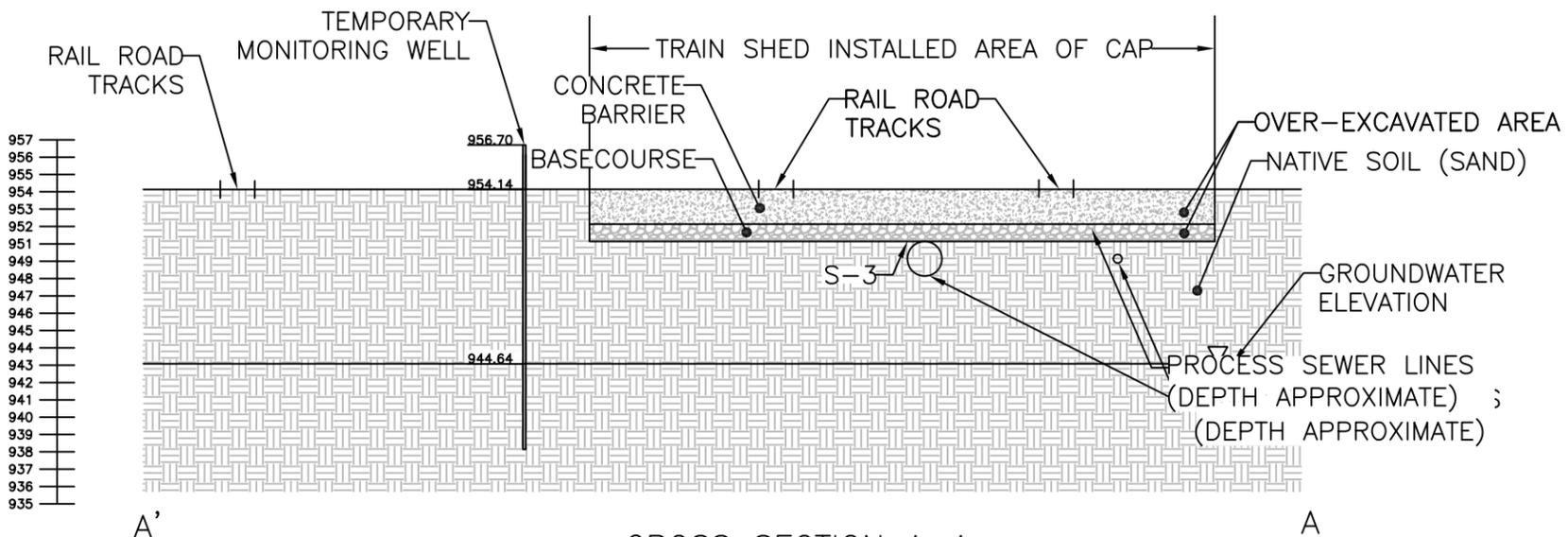
SINCE PRE-REMEDIAL SOIL SAMPLING WAS NOT PERFORMED, SEE FIGURE B.2.b FOR POST-REMEDIAL SAMPLING, WHICH SHOWS ALL SAMPLING PERFORMED FOR THE TRAIN SHED RECONSTRUCTION AREA.



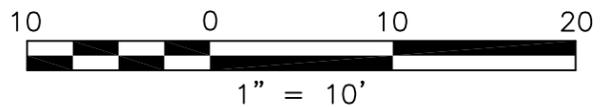
CROSS SECTION LOCATION DIAGRAM

LEGEND

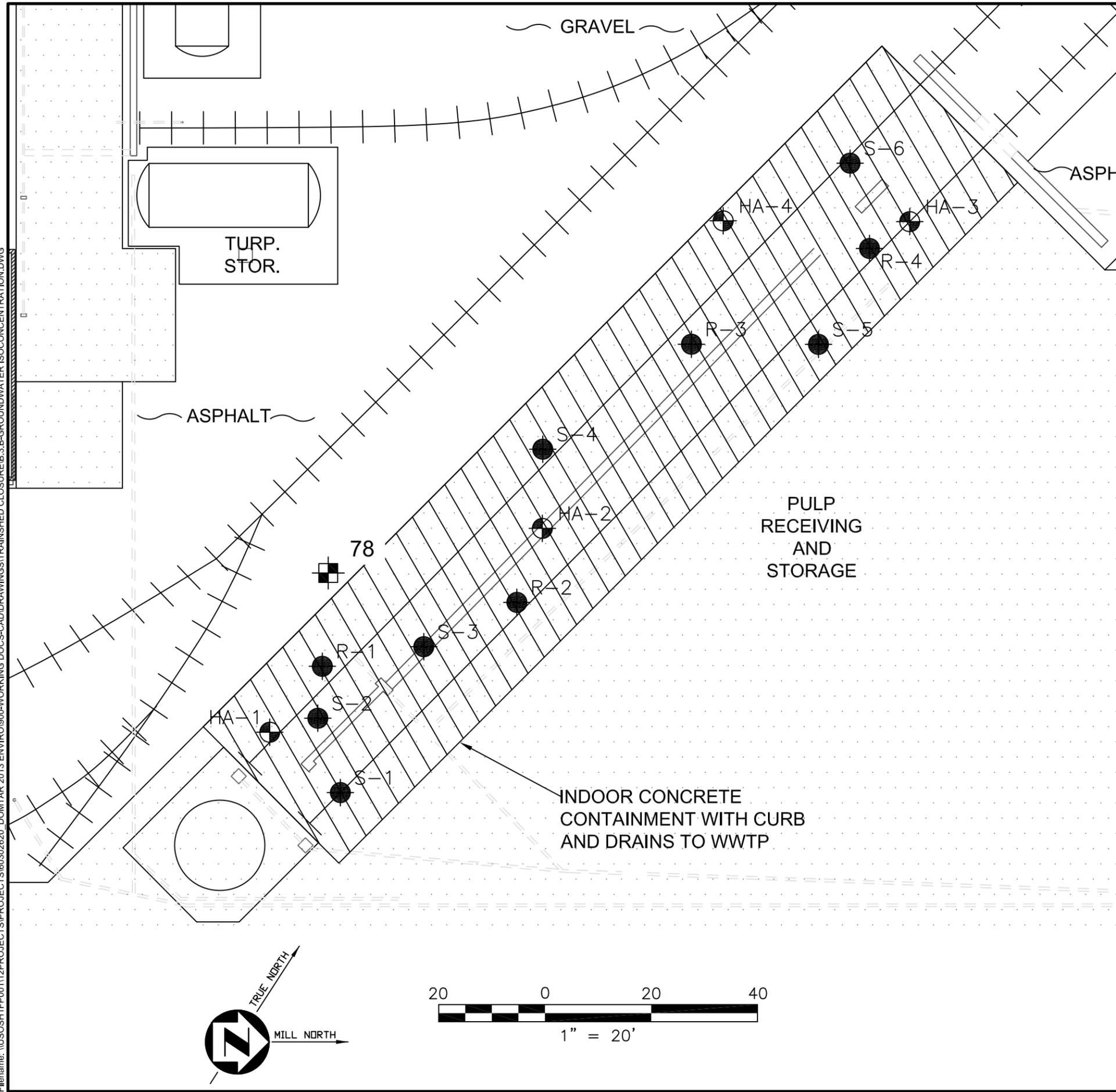
- S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
- R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
- ⊕ HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
- ⊠ MONITORING WELL
- ◇ PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
- == PROCESS SEWER PIPES
- ▨ EXPOSED SEWER PIPES
- U-DRAINS
- ▭ BUILDING WITH NO BASEMENT
- ▨ EXCAVATED AREA AND INSTALLED CAP FOR SOILS WITH pH GREATER THAN 8.0 pH UNITS



CROSS SECTION A-A
 GROUND SURFACE ELEVATION ASSUMED FLAT



Last saved by: KYLES(2013-10-02) Last Plotted: 2013-10-02
 Filename: \\USOSH\HFP\00112\PROJECTS\PROJECTS\60302620_DOMITAR_2013_ENVIRO900-WORKING DOCS-CADD\DRAWINGS\TRAINSHED CLOSURE\B.3-B-GROUNDWATER ISOCONCENTRATION.DWG
 Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"



LEGEND

- S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
- R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
- ⊙ HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
- ⊠ MONITORING WELL
- ◇ PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
- PROCESS SEWER PIPES
- ▨ EXPOSED SEWER PIPES
- U-DRAINS
- BUILDING WITH NO BASEMENT
- ▨ EXCAVATED AREA AND INSTALLED CAP FOR SOILS WITH pH GREATER THAN 8.0 pH UNITS.

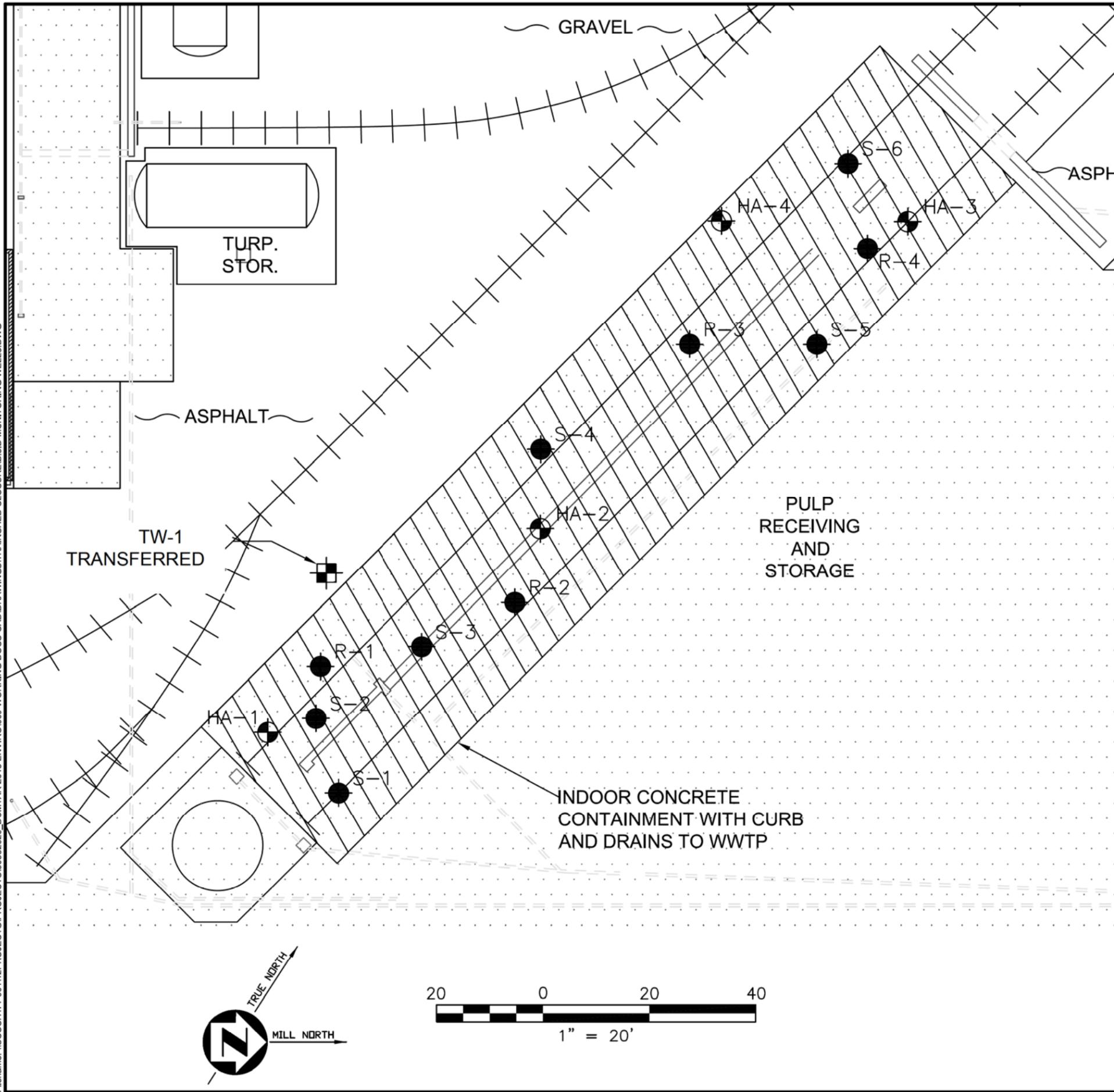
TEMPORARY MONITORING WELL ANALYTICAL RESULTS

Date	Sulfite mg/l	Total Sulfate mg/l	Sodium mg/l	Conductivity um/cm	pH
10/29/96	ND	4010	2360	NM	NM
06/18/96	ND	620	784	4340	6.92
05/19/00	NM	72.3	295	2100	6.85
12/11/02	NM	252	1420	6330	6.65
10/15/03	NM	319	623	NM	NM
10/19/05	NM	318	746	NM	6.39
12/07/05	NM	307	1100	NM	6.32
6/19/2013	NM	44	496	NM	6.5
8/15/2013	NM	78	1600	NM	6.8

NOTE: THE ISOCONCENTRATION LINE IS NOT SHOWN ON THE FIGURE BECAUSE THE TOTAL SULFATE CONCENTRATION WAS BELOW THE PREVENTATIVE ACTION LIMIT (PAL) OF 150 mg/L. THE pH WAS MEASURED WITHIN NORMAL BACKGROUND LEVELS.

ONLY ONE MONITORING WELL WAS ASSOCIATED WITH THIS SITE, THEREFORE,
GROUNDWATER FLOW DIRECTION WAS NOT DETERMINED. CONCENTRATIONS OF SULFATE
DO NOT EXCEED THE PAL OR ES.

Last saved by: KYLES(2013-10-02) Last Plotted: 2013-10-02
 Filename: \USOSHTFP\00112\PROJECTS\PROJECTS\60302620_DOMTAR_2013_ENVIRO900-WORKING DOCS-CADD\DRAWINGS\TRAINSHED CLOSURE\B.3.D-MONITORING WELLS.DWG

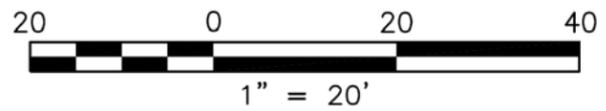
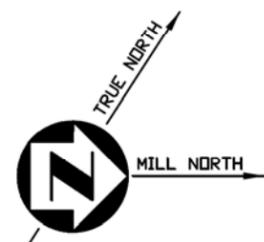


LEGEND

- S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
- R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
- ⊕ HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
- ⊠ MONITORING WELL
- ◇ PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
- ==== PROCESS SEWER PIPES
- ===== EXPOSED SEWER PIPES
- U-DRAINS
- ▭ BUILDING WITH NO BASEMENT
- ▨ EXCAVATED AREA AND INSTALLED CAP FOR SOILS WITH pH GREATER THAN 8.0 pH UNITS

TEMPORARY MONITORING WELL ANALYTICAL RESULTS

Date	Sulfite mg/l	Total Sulfate mg/l	Sodium mg/l	Conductivity um/cm	pH
10/29/96	ND	4010	2360	NM	NM
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05/19/00	NM	72.3	295	2100	6.85
12/11/02	NM	252	1420	6330	6.65
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10/19/05	NM	318	746	NM	6.39
12/07/05	NM	307	1100	NM	6.32
6/19/2013	NM	44	496	NM	6.5
8/15/2013	NM	78	1600	NM	6.8



IT IS UNLIKELY THAT VOLATILE ORGANIC VAPORS (VOCs) WERE GENERATED FROM THE SOURCE MATERIAL. THEREFORE, VAPOR COLLECTION WAS NOT CONDUCTED AND THERE IS NO INFORMATION TO SHOW ON THE VAPOR INTRUSION MAP.

THE CONTAMINATED AREA WAS ISOLATED AND THERE WAS NO OTHER MEDIA OF CONCERN. THEREFORE OTHER MEDIA WAS NOT COLLECTED AND ANALYZED. THERE IS NO INFORMATION TO SHOW ON THE OTHER MEDIA OF CONCERN MAP.

Documentation of Remedial Action (Attachment C)

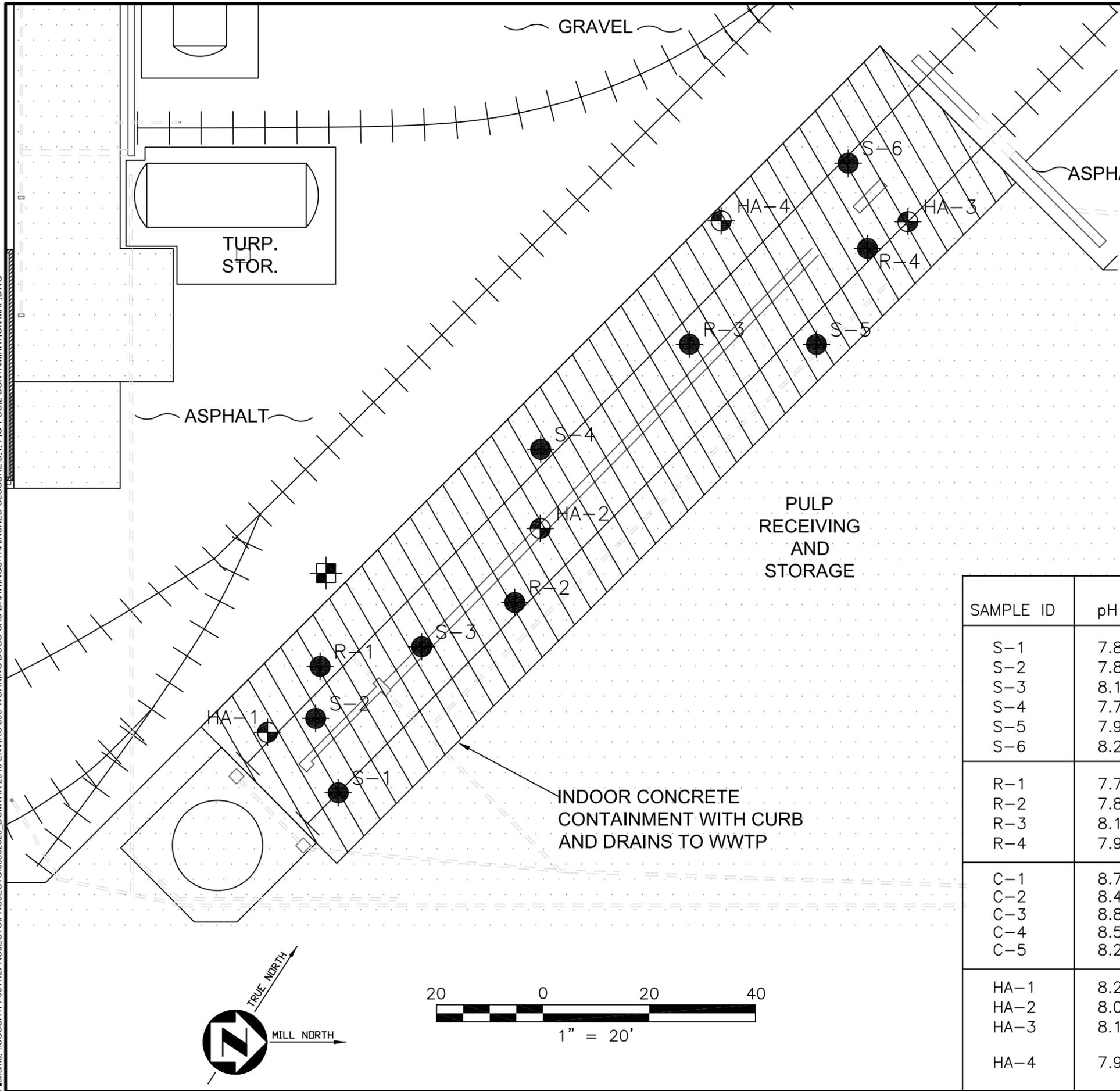
DISCLAIMER

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 <http://dnr.wi.gov/topic/Brownfields/Contact.html>



Last saved by: KYLES1(2013-08-16) Last Plotted: 2013-11-20
 Filename: \\USOSH\HFP00112\PROJECTS\PROJECTS\60302620_DOMITAR_2013_ENVIRO900-WORKING DOCS-CADD\DRAWINGS\TRAINSHED CLOSURE\1-FIG 1-SOIL CONTAMINATION MAP.DWG
 Project Management Initials: Designer: ---
 Checked: --- Approved: --- ANSI B 11" x 17"



- LEGEND**
- S-3 IN-PLACE SAMPLE LOCATION (APPROXIMATE)
 - R-2 UNSTAINED REMOVED SAMPLE LOCATION (APPROXIMATE)
 - ⊙ HA-2 HAND AUGER BORING LOCATION (APPROXIMATE)
 - ⊠ MONITORING WELL
 - ◇ PROCESS SEWER SUMPS, MANHOLES, AND DRAINS
 - PROCESS SEWER PIPES
 - ▨ EXPOSED SEWER PIPES
 - U-DRAINS
 - BUILDING WITH NO BASEMENT
 - ▨ EXCAVATED AREA

SAMPLE ID	pH	DEPTH (FROM RAIL BED)	REMARKS	APPROXIMATE VOLUME (CYD)
S-1	7.8	-4'	REMAINING SOILS IN PLACE	
S-2	7.8	-3'		
S-3	8.1	-3'		
S-4	7.7	-3'		
S-5	7.9	-3'		
S-6	8.2	-3'		
R-1	7.7	-2'	SOILS REMOVED TO STOCKPILE ON AREA 01 LANDFILL	270
R-2	7.8	-2'		
R-3	8.1	-2'		
R-4	7.9	-2'		
C-1	8.7	SAMPLE FROM STOCKPILE ON-SITE	VISIBLY STAINED SOILS STOCKPILED AT SITE	330
C-2	8.4			
C-3	8.8			
C-4	8.5			
C-5	8.2			
HA-1	8.2	-6'	SAMPLES TAKEN 3' BELOW REMAINING SUBGRADE	
HA-2	8.0	-6'		
HA-3	8.1	-6'		
HA-4	7.9	45 DEGREE ANGLE AT FOOTING BASE AUGERED IN 3'		

D.2 – Brief Descriptions

BARRIER MAINTENANCE PLAN

10/15/2013

Property Located at:
301 Point Basse Avenue, Nekoosa, Wisconsin 54457

WDNR BRRTS/Activity # 02-72-195027

LEGAL DESCRIPTION: CITY OF NEKOOSA S10 T21 R5E PRT GO LOTS 5, 6 & SE NW LYG ELY OF PT BASSE AVE & S OF SLN OF ALLEY 'BLKS 3, 4, 5 & 6 PLAT OF NEK' & SW OF HWY; E 6' OF PT BASSE, AND LOTS 1 THRU 8, BLK 3, LOTS 1 THRU 8, BLK 4, LOTS 1 THRU 8, BLK 5, LOTS 4 THRU 8, BLK 6 & VAC STREETS & ALLEY, EXC THAT PRT LYG SLY & ELY OF FERC LINE

Introduction

This document is the Maintenance Plan for a barrier 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 barrier occupying the area over the contaminated groundwater plume or soil on-site.

More site-specific information about this property may be found in:

- The case file in the DNR West Central regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites):
dnr.wi.gov/botw/SetUpBasicSearchForm.do
- GIS Registry PDF file for further information on the nature and extent of contamination:
dnrmaps.wisconsin.gov/imf/imf.jsp?site=brts2; and
- The DNR project manager for Wood County.

Description of Contamination

Soil contaminated by historic operations of loading/unloading pulp laps, soap skimmings, black and green liquor, and sodium chlorate via rail and is located at a depth of approximately 3 feet below the rail bed near the Train Shed building at the Domtar Nekoosa Mill soil with residual impacts with a pH greater than 8 pH units. The extent of the soil contamination is shown on the attached Figure 1.

Description of the Barrier to be maintained

The Barrier consists of a two foot thick reinforced concrete slab covered by a building. It is located on the Domtar Mill property in Nekoosa, Wisconsin as shown on the attached Figure 1.

Cover and Building Barrier Purpose

The concrete slab and building over the contaminated soil serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. This barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater 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.

D.3 – Description of Maintenance Action(s)

Annual Inspection

The barrier overlying the soil, as depicted in Figures 1 and 2, 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 and/or exposure to underlying soils. 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 and 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 Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and 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.

In the event the barrier overlying the contaminated soil be 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 barrier, 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 a Cover or Cap

The following activities are prohibited on any portion of the property where pavement, a building foundation, or other barrier 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.

D.5 - Contact Information

September, 2013

Site Owner and Operator: Mark Bessette, Domtar
301 Point Basse Avenue, Nekoosa, Wisconsin 54457
715-866-7358

Signature:



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

Property Owner: Mark Bessette, Domtar
301 Point Basse Avenue, Nekoosa, Wisconsin 54457
715-866-7358

Signature:



Consultant: Andrew Mott
558 North Main Street, Oshkosh, Wisconsin 54901
920-236-6713

WDNR: Tom Hvizdak
473 Griffith Avenue, Wisconsin Rapids, Wisconsin 54494
715-421-7850

PHOTOGRAPHIC LOG

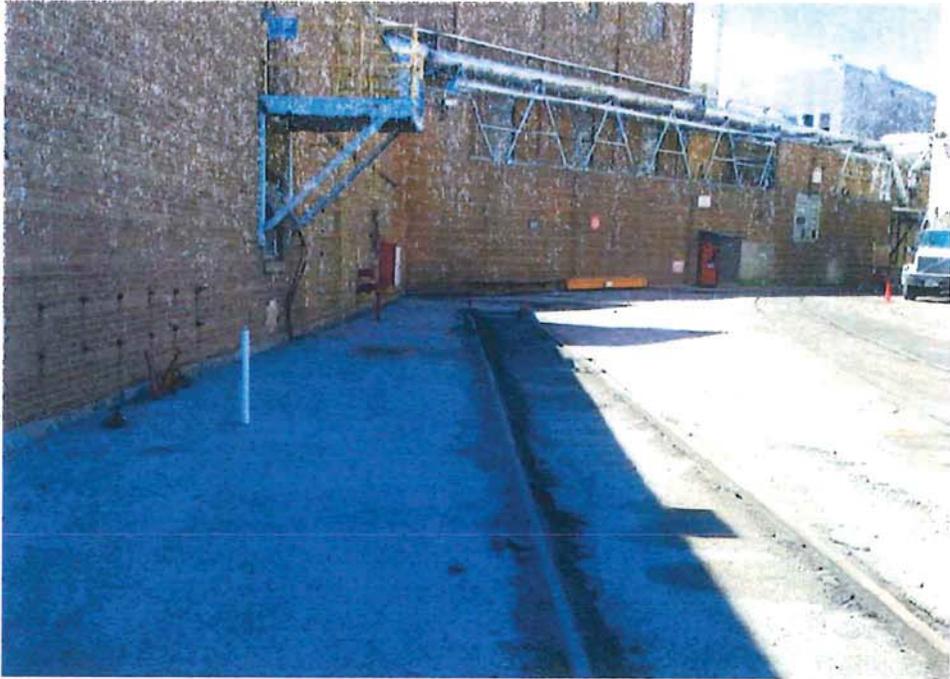
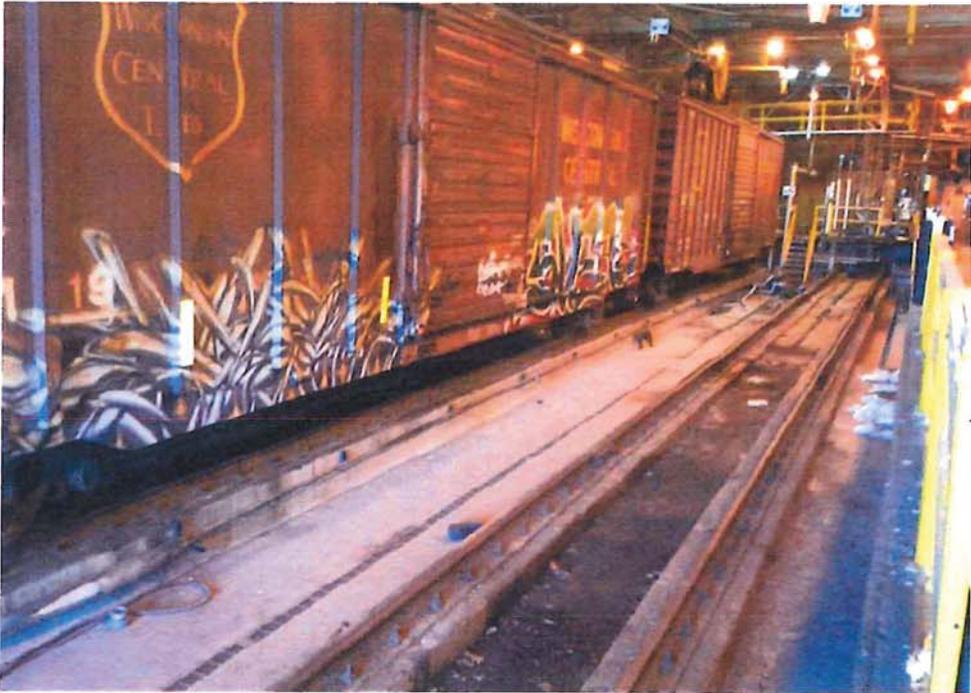
Client Name: Domtar		Site Location: Train Shed Reconstruction Area	Project No.: 60302620
Photo No. 1	Date: 6/13/2013		
Direction Photo Taken: Southwest			
Description: Monitoring well is white stickup installed in 2006. Area paved in 2003.			

Photo No. 2	Date: 6/13/2013		
Direction Photo Taken: Northwest			
Description: Interior of west side of train shed. concrete floor and trench drains constructed in 1996.			

PHOTOGRAPHIC LOG

Client Name: Domtar		Site Location: Train Shed Reconstruction Area	Project No.: 60302620
Photo No. 3	Date: 6/13/2013		
Direction Photo Taken: North			
Description: East side of interior of train shed concrete floor and trench drains constructed in 1996.			

Attachment E – Monitoring Well Information

TW-1 was transferred to the Nekoosa Papers Collapsed Sewer Wood RM site.

BRRTS #02-72-195031

Contact:

Domtar LLC

301 Point Basse Ave

Nekoosa WI 54457

David.Ulrich@Domtar.com

715-886-7711

22557XF

Facility/Project Name <u>GP NEKOOSA TRAIN SHED</u>	Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>TW-1</u>
Facility License, Permit or Monitoring Number _____	Section Location _____ 1/4 of _____ 1/4 of Section _____	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Distance Well Is From Waste/Source Boundary _____ ft.	Date Well Installed <u>10/29/96</u> m m d d y y
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>JD</u> <u>BSB</u>

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>2.0</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/> _____
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom <u>1.0</u> ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/> _____
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> _____ Other <input type="checkbox"/> _____
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>PA</u> Other <input checked="" type="checkbox"/> _____	How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 Other <input type="checkbox"/> _____
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name and mesh size <u>2340 WAPACA</u> Volume added _____ ft ³
17. Source of water (attach analysis): _____	8. Filter pack material: Manufacturer, product name and mesh size <u>2340 WAPACA</u> Volume added <u>1 Bag</u> ft ³
E. Bentonite seal, top <u>4.0</u> ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____
F. Fine sand, top <u>4.5</u> ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____
G. Filter pack, top <u>5.0</u> ft. MSL or _____ ft.	Manufacturer _____ Slot size: _____ 0.12 in. Slotted length: <u>10.0</u> ft.
H. Well screen, top <u>5.0</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Other <input type="checkbox"/> _____
I. Well screen, bottom <u>15.0</u> ft. MSL or _____ ft.	
J. Filter pack, bottom <u>15.5</u> ft. MSL or _____ ft.	
K. Borehole, bottom <u>15.5</u> ft. MSL or _____ ft.	
L. Borehole, diameter _____ in.	
M. O.D. well casing <u>2.08</u> in.	
N. I.D. well casing <u>2.0</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Bruce Bohannon Firm STS

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

Attachment F – Notifications to Owners of Impacted Properties

Not Applicable. Domtar owns the impacted subject property. Contamination was limited to the property and did not migrate onto another property. All monitoring wells required as part of this response action will be properly abandoned upon the DNR granting conditional closure to the site.

SPECIAL WARRANTY DEED

883553

REGISTER OF DEEDS
WOOD COUNTY
RECORDED ON

08-07-2001 4:29 PM

RENE' L KRAUSE
REGISTER OF DEEDS

Rene' L. Krause Sp

REC. FEE 96.00
TRAN. FEE: 2588.10
PAGES: 44

Add \$ 110,909.70 WI DOR
TRANSFER FEE
7-25-02

\$ 2,588.10 BWA
TRANSFER FEE

This instrument to be returned to:

Boles-Wallner Abstract & Title, Inc.
P.O. Box 575
Wisconsin Rapids, WI 54495
Parcel ID Nos. *960 P*

THIS INDENTURE, made this 7th day of AUGUST, 2001 by and between NEKOOSA PAPERS INC., a Wisconsin corporation ("Grantor"), and DOMTAR A.W. CORP., a Delaware corporation, having an address at 395 de Maisonneuve Blvd. West, Montreal, Quebec, Canada H3A 1L6, ("Grantee") ("Grantor" and "Grantee" to include their respective successors, legal representatives, heirs and assigns where the context requires or permits);

WITNESSETH, That:

Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00), and other good and valuable consideration in hand paid at and before the sealing and delivery of these presents, the receipt and sufficiency whereof are hereby acknowledged, has granted, bargained, sold, aliened, conveyed, and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto Grantee, all that tract or parcel of land described in Exhibit A, attached hereto and by this reference made a part hereof (hereinafter the "Land").

TOGETHER WITH all rights, members, easements, and appurtenances appertaining to the Land, together with all right, title, and interest of Grantor in and to any and all alleys, streets, and rights-of-way adjacent to or abutting the Land (the Land, together with such rights and appurtenances and all buildings and improvements thereon, hereinafter the "Property").

That part of Government Lot 5 lying Westerly of railroad right of way and Northerly of 9th Street in Section 3, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin.
(Tax Key No. 30-00020)

Parcel 146:

That part of Government Lot 5 lying Westerly of railroad right of way and Southerly of 9th Street in Section 3, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin.
(Tax Key No. 30-00021)

Parcel 147:

That part of Government Lot 5 lying East of railroad right of way, West of Patton Avenue and South of the South line of the alley in Blocks 32 and 33 of Nekoosa Paper Co.'s Addition, in Section 3, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin.
(Tax Key No. 30-00022)

Parcel 148:

Outlots 1-A, 2-A and 3-A of Wood County Certified Survey Map No. 2965, as recorded in Volume 10 of Survey Maps, page 265, being part of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 9, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin.
(Tax Key No. 30-00103A)

Parcel 150: - MILL LOT

That part of Government Lots 6 and 7 lying Easterly of Chicago & Northwestern Railroad right of way, Northerly of the map of Nekoosa and Westerly of Nekoosa Paper Co.'s Addition to the Village (now City) of Nekoosa in Section 10, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin, EXCEPT Wood County Certified Survey Map No. 2145, AND FURTHER EXCEPTING that part of the railroad right of way 100 feet in width between the North line of Market Street and the North line of 1st Street and Parcel B of Wood County Certified Survey Map No. 2145.
(Tax Key No. 30-00148)

Parcel 151: - MILL LOT

That part of Government Lots 5 and 6 and SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ lying Easterly of Point Basse Avenue and South of the South line of Alley of Blocks 3, 4, 5 and 6 of Nekoosa and Southwest of highway as vacated in Volume 359 of Mis. Records, page 611, located in Section 10, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin;
AND INCLUDING the East 6 feet of Point Basse Avenue;
AND Lots 1 thru 8, Block 3;
Lots 1 thru 8, Block 4;
Lots 1 thru 8, Block 5;
Lots 4 thru 8, Block 6;
AND vacated streets between Blocks 3 and 4, Blocks 4 and 5, and Blocks 5 and 6, and vacated alley on the South side;
ALL of Nekoosa, City of Nekoosa Wood County, Wisconsin (Tax Key No. 30-00150);

EXCEPTING THEREFROM the following described property:

AREA SOUTH AND EAST OF FERC LINE IN VICINITY OF NEKOOSA MILL

All that part of Government Lot 5, Section 10, T21N, R5E, City of Nekoosa, Wood County, Wisconsin, lying South and East of the following described line, said line being defined as the FERC line lying within said Government Lot 5, and being more particularly described as follows:

COMMENCING at the West Quarter corner of said Section 10, T21N, R5E;

THENCE S 00°24'27" E, along the west line said Section 10, 1321.36 feet to the southwest corner of Government Lot 5 of said Section 10;

THENCE N 89°17' 16" E, along the south line of said Government Lot 5, 1322.87 feet to a point on the FERC line and the POINT OF BEGINNING;

THENCE with said FERC line the following 18 courses:

1. N 02°52' 41" E, 82.55 feet;
2. N 11°13' 00" E, 157.37 feet;
3. N 31°13' 10" E, 349.17 feet to a building wall;
4. N 55°30' 56" E, 232.05 feet to a building corner;
5. N 58°36' 07" E, along a building wall, 424.35 feet to a building corner;
6. S 30°35' 14" E, along a building wall, 22.28 feet to a building corner;
7. N 57°11' 34" E, along a building wall, 14.71 feet to a building corner;
8. S 31°44' 09" E, along a building wall, 142.91 feet to a building corner;
9. N 57°25' 30" E, 97.67 feet;
10. N 32° 34' 30" W, 139.64 feet;
11. N 57°25' 30" E, 13.92 feet;
12. N 31°23' 29" W, 39.78 feet to a building wall;
13. N 58°36' 31" E, along a building wall, 323.64 feet to a building corner;
14. S 86°27' 18" E, 70.02 feet to a building corner;
15. N 61°57' 37" E, 166.47 feet;
16. N 76°14' 42" E, 150.41 feet;
17. N 82°00' 39" E, 597.51 feet;
18. N 55°28' 47" E to the north line of said Government Lot 5.

Parcel 153:

Lot 2 of Wood County Certified Survey Map No. 5307, as recorded in Volume 18 of Survey Maps, page 207, being part of the SW ¼ of the NW ¼ of Section 10, Township 21 North, Range 5 East, City of Nekoosa, Wood County, Wisconsin.

(Tax Key No. 30-00163B)

Parcel 155:

Lot A and Lot 14 in Block 1 of Nekoosa, City of Nekoosa, Wood County, Wisconsin.

(Tax Key No. 30-00194)

Parcel 156:

Lot 9 in Block 2 of Nekoosa, City of Nekoosa, Wood County, Wisconsin.

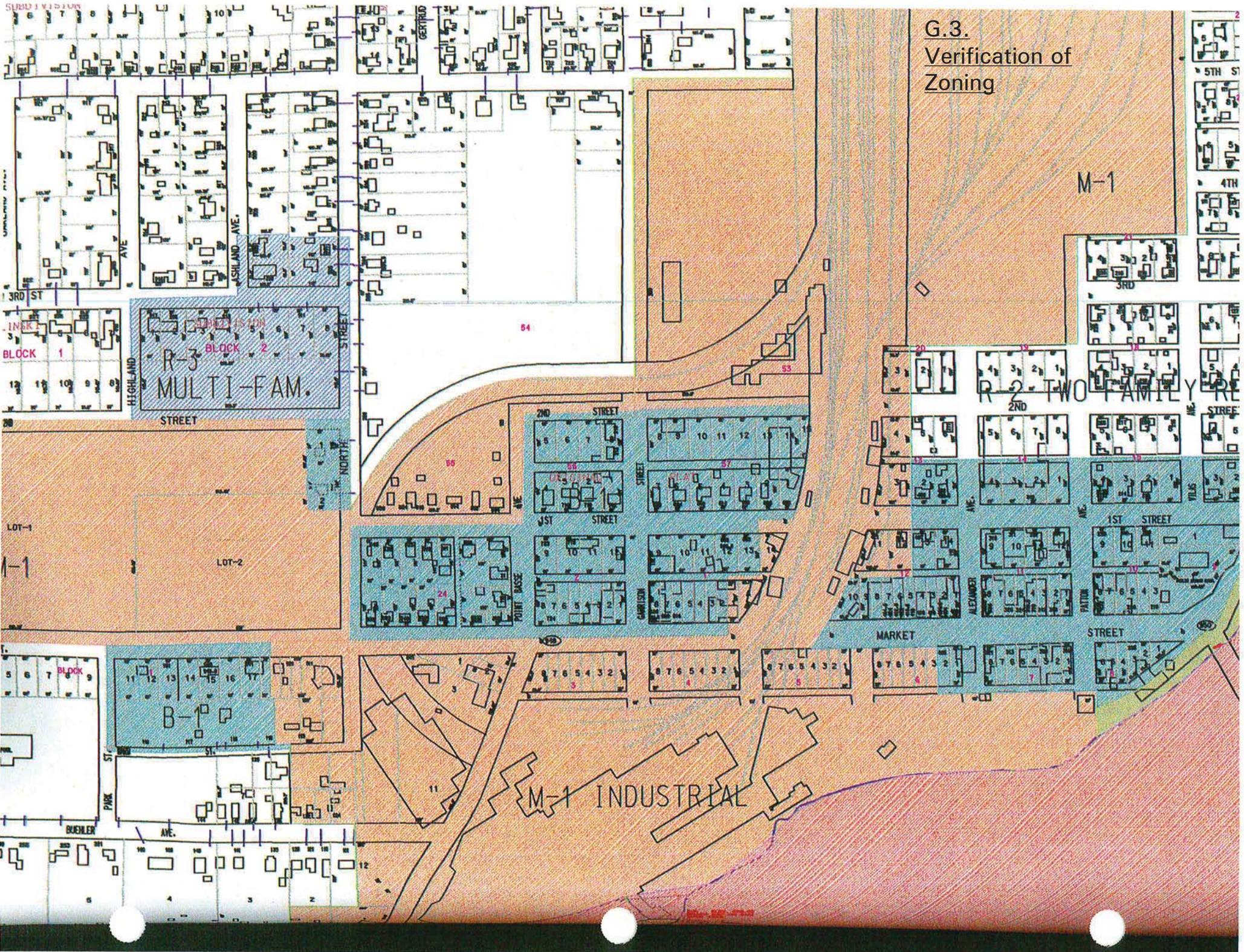
(Tax Key No. 30-00217)

Parcel 157:

Lot 11 in Block 12 of Nekoosa, City of Nekoosa, Wood County, Wisconsin.

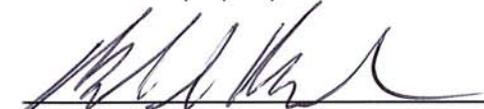
(Tax Key No. 30-00303)

G.3.
Verification of
Zoning



G.4. – Signed Statement

I, Mark Bessette, believe that the attached legal descriptions accurately describe the correct contaminated property.



Signature

10/24/13

Date