

GIS Registry Disclaimer

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: Y:

** 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)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property")*

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

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property")*

Land Use Controls:

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government or economic
development corporation)*

Monitoring wells properly abandoned? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
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.
- 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)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- 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 parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, 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 s. NR 720.09, 720.11 and 720.19.
Figure #: B **Title: Facility Map**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all 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 s. NR 720.09, 720.11 and 720.19.
Figure #: G **Title: Post Remediation Sampling Locations**

BRRTS #: 02-72-000264

ACTIVITY NAME: Weyerhaeuser Co.

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: H-1 **Title:** Post-Remedial Geologic Cross Section A'

Figure #: H-2 **Title:** Post-Remedial Geologic Cross Section B'

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: **Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: **Title:**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: F-1 **Title:** Post Remediation Soil Sample Analytical Results

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: **Title:**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-72-000264

ACTIVITY NAME: Weyerhaeuser Co.

NOTIFICATIONS

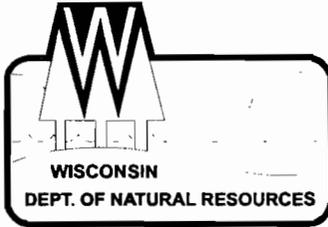
Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
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.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Scott A. Humrickhouse, Regional Director

Wisconsin Rapids Office
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494-7859
Telephone 715-421-7800
FAX 715-421-7830

October 19, 2000

BRRTS #02-72-000264

Ms. Betsy Kimmerly
Weyerhaeuser Company
810 Whittington Avenue
Hot Springs, AR 71902

FILE COPY

SUBJECT: Case Closure with Deed Notice, Weyerhaeuser Company;
Door Division Core Mill Site (Hydraulic Oil Release),
1401 East 4th Street, Marshfield, Wisconsin.

Dear Ms. Kimmerly:

The Wisconsin Department of Natural Resources (WDNR) west central region has received a copy of the deed notice (with the recording information stamped on it) recorded with the Marathon County Register of Deeds as required by WDNR west central closure committee as conditions for closure of the above-referenced site. Based on all information contained in the case-file for this site and the deed notice submitted by Weyerhaeuser Company, it is the decision of the DNR that, **no further investigatory or clean-up action is needed at this site and that this site is considered.**

You should note that this letter does not constitute Department "certification" under s. 292.15(2)(a)3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Also, in 1997 Wisconsin Act 27, the legislature amended s. 292.15, Wis. Stats., creating the new "Voluntary Party Remediation and Exemption from Liability" statute. This statute provides liability protection for persons who did not intentionally or recklessly cause the release of a hazardous substance and who conducts an environmental investigation and cleans up property by restoring the environment to the extent practicable and in accordance with rules promulgated by the Department. Upon completion of the cleanup, the person receives a "certificate of completion" that provides an exemption from the "Hazardous Substance Spills" statute and protection from future liability for the past releases. You must apply for the program by filling out an application form and fees are charged to cover administrative costs associated with the program. If you are interested in more information about the program or would like an application package, please call Loren Brumberg at the West Central Region Office in Eau Claire at 715-839-3770.

October 19, 2000
Ms. Betsy Kimmerly - Weyerhaeuser Company
Page 2

BRRTS #02-72-000264

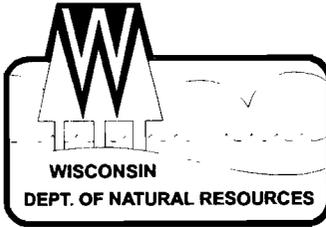
Thank you for your efforts to cleanup Wisconsin's environment. If you should have any questions regarding this letter please contact me at (715) 421-7850.

Sincerely,



Tom Hvizdak
Hydrogeologist

c: Susan Pistoresi, Weyerhaeuser Co., P.O. Box 2999, Tacoma WA 98477-2999



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Scott A. Humrickhouse, Regional Director

Wisconsin Rapids Office
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494-7859
Telephone 715-421-7800
FAX 715-421-7830

June 9, 2000

BRRTS #02-72-000264

Ms. Betsy Kimmerly
Weyerhaeuser Company
810 Whittington Avenue
Hot Springs, AR 71902

FILE COPY

SUBJECT: Conditional Closure, Weyerhaeuser Company Door Division Core Mill Site
(Hydraulic Oil Release), 1401 East 4th Street, Marshfield, Wisconsin.

Dear Ms. Kimmerly:

On June 7, 2000, the above named site was reviewed by the Wisconsin Department of Natural Resources West (DNR) Central Region closeout committee for a determination as to whether or not the case qualified for close out under Wis. Adm. Code (WAC) ch. NR 726. The pre and post-remediation soil samples and field observations indicate residual hydraulic-oil-related soil contamination along the west edge of the existing power house building and the former oil recycling area (sump 1). Due to the presence of residual soil contamination at this site, a clean closure can not be granted in this case at this time. However, based on the investigative and remediation documentation provided to the Department, it appears that the extent of the hydraulic oil contamination at the above-named site has been investigated and remediated to the extent practicable and the location of the residual soil contamination does not pose a threat to direct contact under current site conditions. Therefore, the Department considers the case "closed," having determined pursuant to WAC NR 726, that no further action is necessary on the site at this time, providing the following condition is met.

The condition of the closeout for this case is that the owner is required to sign and record a deed notice for the property describing the location (include a site map indicating the location) of the remaining contaminated soil on the deed for the property. The deed restriction document must be submitted to the Department for approval within 30 days after receipt of this letter, and the deed document must be registered with the County Register of Deeds fifteen days after receiving Department approval of the draft deed notice. To document that this condition has been complied with, the property owner must submit to the Department a copy of the recorded deed notice, with the recording information stamped on them, within 15 days after the County Register of Deeds returns the deed notice to the property owner. The deed notice may be amended in the future with the approval of Department if conditions change at the site such that the residual contamination is completely remediated (if deemed necessary).

June 9, 2000

BRRTS #02-72-000264

Ms. Betsy Kimmerly - Weyerhaeuser Company

Page 2

In addition, please note that if any residual contaminated soil is excavated in the future, it may be considered solid waste and will need to be handled and disposed in accordance with applicable statutes and rules.

If you have additional relevant information which was not formerly provided to the Department, and which you feel would significantly impact the Department's closure decision, you may submit that information for our re-evaluation of case closure.

You should note that this letter does not constitute Department "certification" under s. 292.15(2)(a)3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Also, in 1997 Wisconsin Act 27, the legislature amended s. 292.15, Wis. Stats., creating the new "Voluntary Party Remediation and Exemption from Liability" statute. This statute provides liability protection for persons who did not intentionally or recklessly cause the release of a hazardous substance and who conducts an environmental investigation and cleans up property by restoring the environment to the extent practicable and in accordance with rules promulgated by the Department. Upon completion of the cleanup, the person receives a "certificate of completion" that provides an exemption from the "Hazardous Substance Spills" statute and protection from future liability for the past releases. You must apply for the program by filling out an application form and fees are charged to cover administrative costs associated with the program. If you are interested in more information about the program or would like an application package, please call Loren Brumberg at the West Central Region Office in Eau Claire at 715-839-3770.

Once a copy of the recorded deed notice has been properly submitted to this office we will issue the final closure letter for this site. Thank you for your efforts to cleanup Wisconsin's environment. If you should have any questions regarding this letter please contact me at (715) 421-7850.

Sincerely,



Tom Hvizdak
Hydrogeologist

c: Jon Hammerberg, Woodward-Clyde, 8383 Greenway Blvd., Middleton, WI 53562

Attachment: Deed Notice Template

be considered solid waste and will need to be disposed in accordance with applicable statutes and rules.

OWNER: WEYERHAEUSER COMPANY

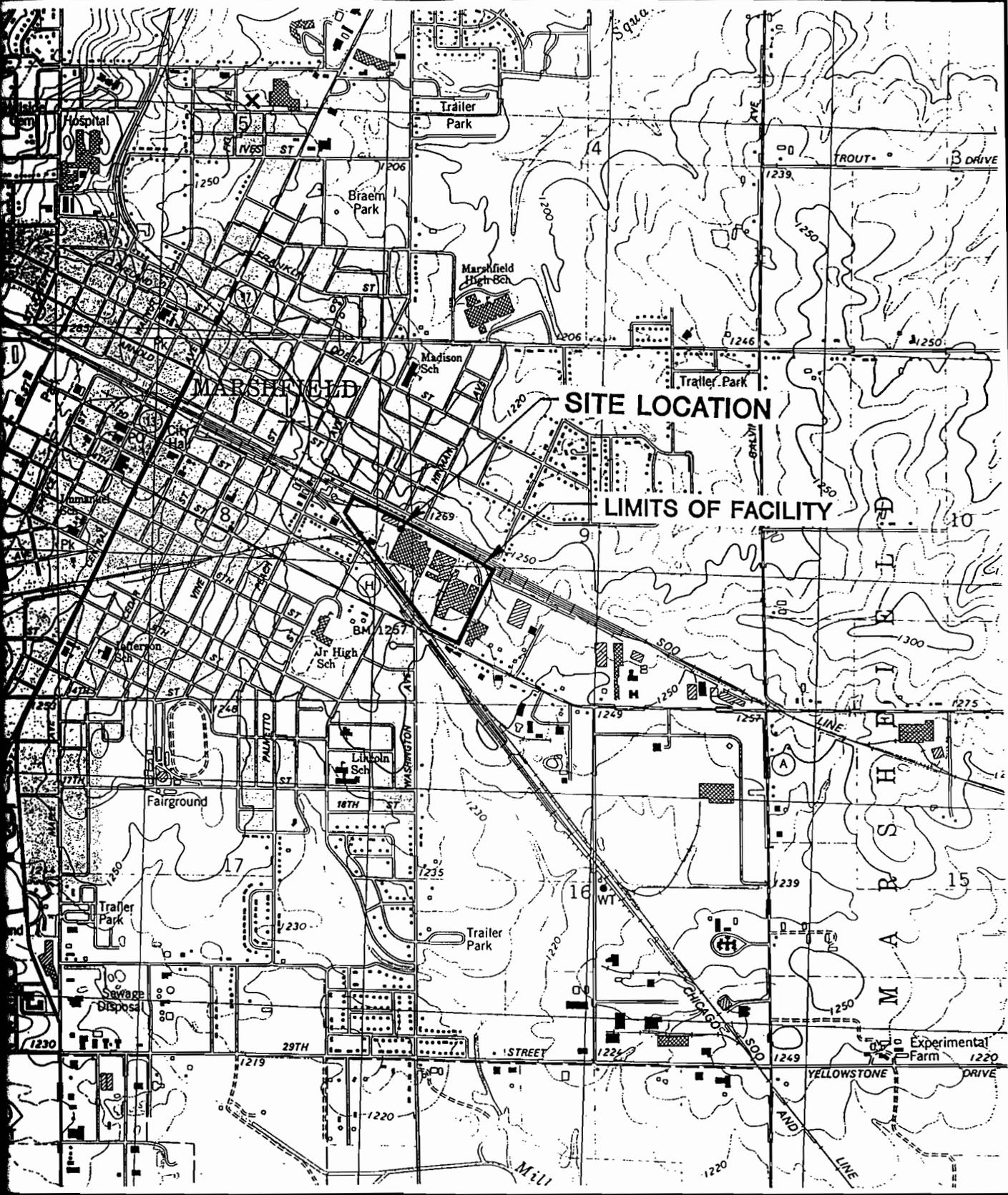
Signature: Douglas W. Blankenship
Printed Name: Douglas W. Blankenship

Subscribed and sworn to before me
this 22nd day of September, 2000.

Jonya M. Hebert
Notary Public, State of Washington
My commission expires ~~6/12/02~~ 10/19/02



This document was drafted by Susan T. Pistoressi, Senior Environmental Paralegal, based on comments from the Wisconsin Department of Natural Resources.



SITE LOCATION MAP
WEYERHAEUSER - MARSHFIELD, WISCONSIN

DRAWN BY: MAS	CHECKED BY: JRH	PROJECT NO: 6E09100	DATE: 11-20-96	FIGURE NO: 1
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WEYERHAEUSER COMPANY

POWERHOUSE BASEMENT WASTE REMOVAL
MARSHFIELD, WISCONSIN
REVISED: 12-17-97

SOURCE ID NUMBERS
(F) - FUGITIVE

ARCHITECTURAL DOOR

- S12 - MAIN OFFICE BOILER
- S13 - MINERAL CORE GAS DRYER
- S18(F) - HOG FUEL SILO
- S19 - SPECIALTY PRESS
- S22(F) - COLD PRESS MANUFACTURING
- S27(F) - FINISHING/FRESHWORK
- S77 - PAINT LINE
- S83 - UV LINE
- S84 - UV SPRAY BOOTH

ARCHITECTURAL DOOR

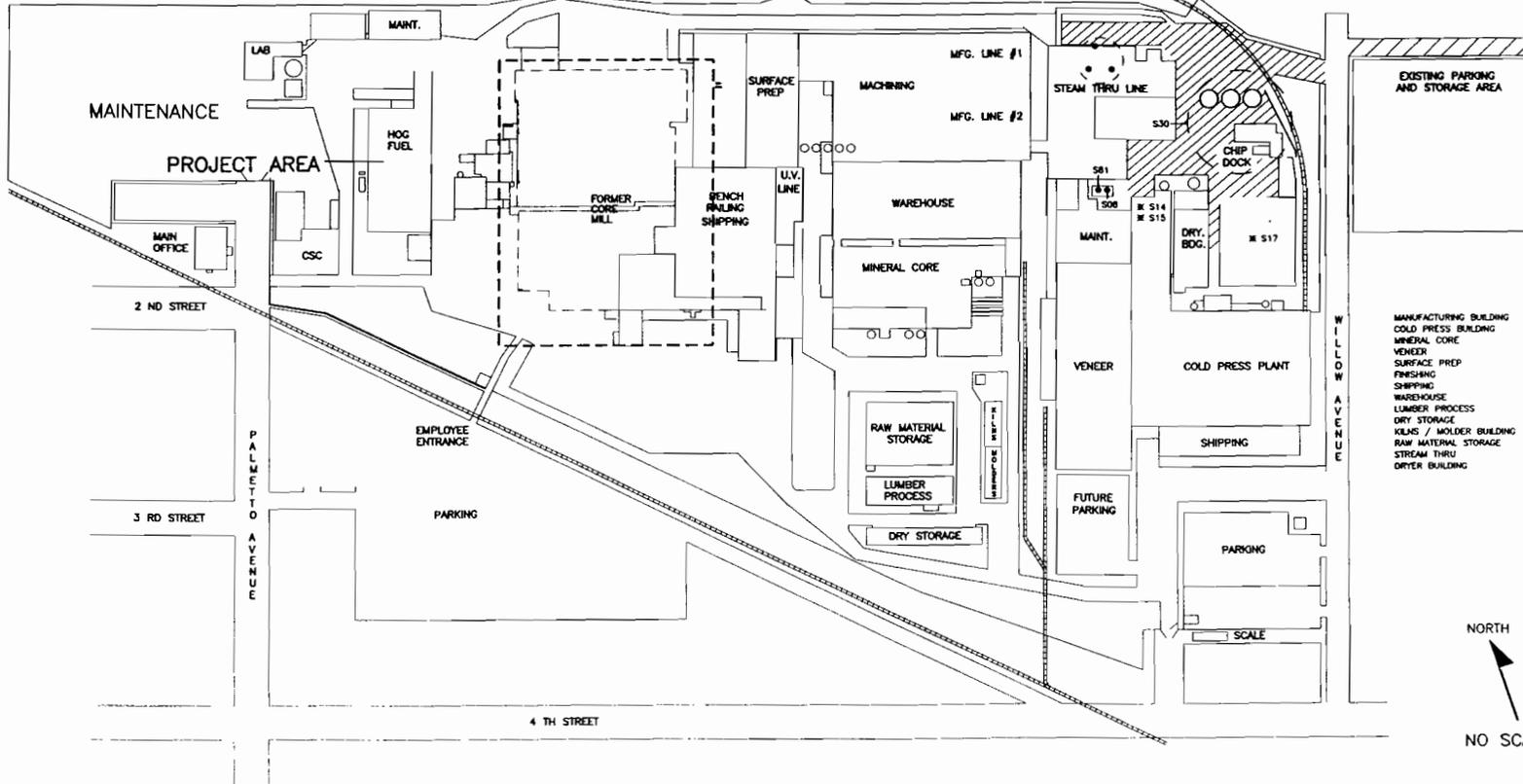
- S54 - MINERAL CORE RAILING
- S56 - MINERAL CORE SANDER/HOG
- S57 - MINERAL CORE LINE STORAGE SILO
- S58 - MINERAL CORE VERMICULITE SILO
- S59 - MINERAL CORE RECLAIM
- S61 - DETAIL CARTER DAY
- S62 - SHAWMOS & KERF (HOG HUEL)
- S86 - MINERAL CORE HEAT TUNNEL
- S93(F) - WAREHOUSE

STEAM THRU

- S09 - DOOR CORE PRESS STEAM VENT
- S14(F) - PRESS VENTS
- S15(F) - BOARD COOLER VENTS
- S15(F) - KERF SILO
- S15(F) - SANDER DUST SILO
- S17(F) - GREEN CHIP STORAGE
- S30(F) - GREEN CHIP & FURNISH HANDLING
- S81 - STEAM THRU DRYER
- S08 - EFB BAGHOUSE

COMMON FACILITY

- S10 - WOOD FIRED BOILERS
- S11 - GAS BOILER
- S18(F) - GRAVEL ROADWAYS & PARKING



L X W X H

MANUFACTURING BUILDING	350' X 225' X 30'
COLD PRESS BUILDING	240' X 200' X 30'
MINERAL CORE	300' X 140' X 26'
VENEER	360' X 130' X 43'
SURFACE PREP	230' X 90' X 30'
FINISHING	230' X 90' X 30'
SHIPPING	250' X 200' X 35'
WAREHOUSE	325' X 155' X 36'
LUMBER PROCESS	150' X 50' X 20'
DRY STORAGE	200' X 30' X 26'
KILNS / HOLDER BUILDING	170' X 30' X 30'
RAW MATERIAL STORAGE	150' X 110' X 26'
STREAM THRU DRYER BUILDING	230' X 225' X 62'
	140' X 60' X 26'

L.C. NAME: JES-B
 SCALE: AS SHOWN
 DATE: 12-13-97
 DRAWN: JES
 CHECKED: EAS
 PROJECT MANAGER: BLSH
 DATE: 12-17-97

Woodward-Clyde International-Americas

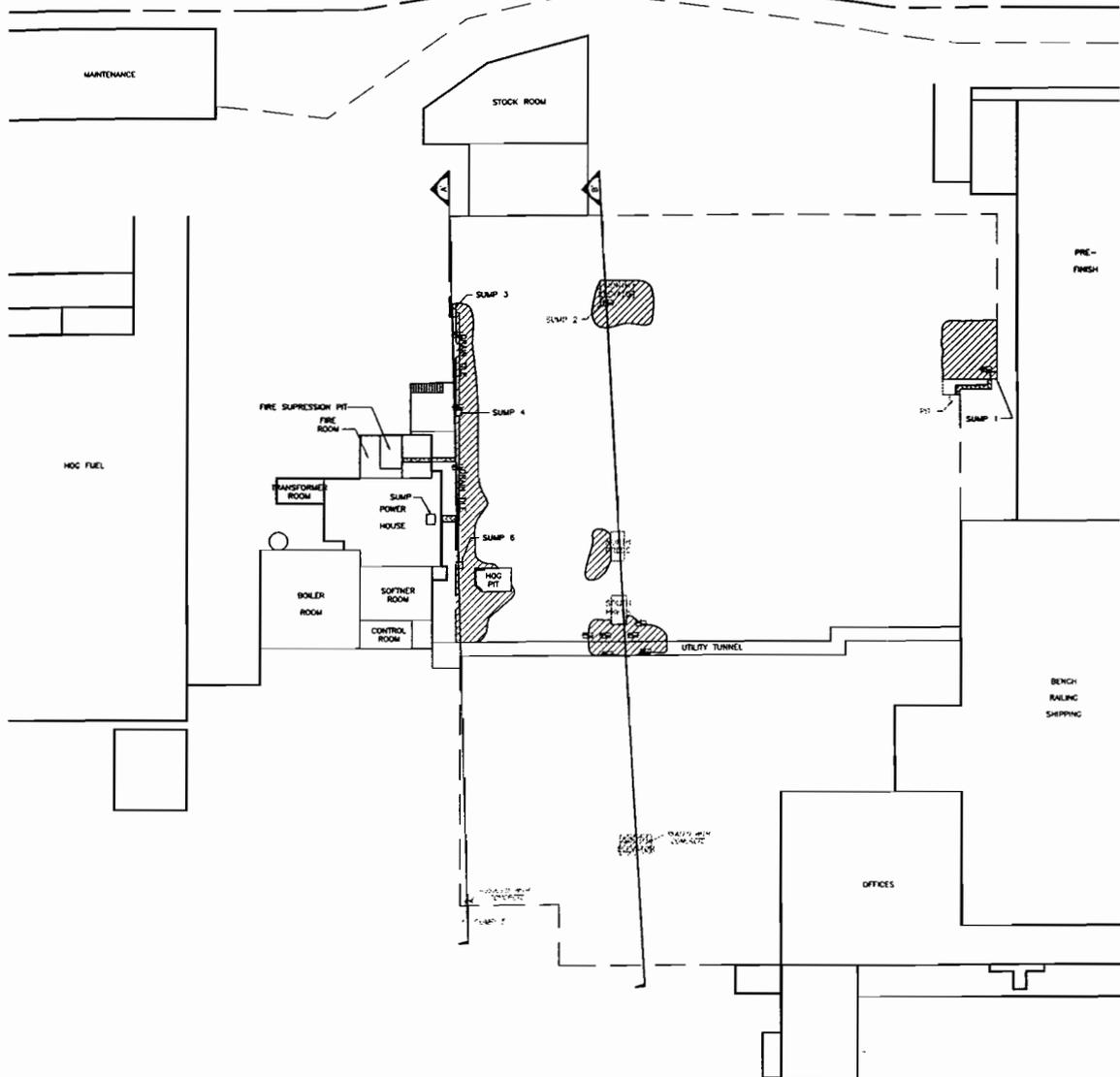
Engineering & sciences applied to the earth & its environment

8363 Greenway Boulevard
Middleton, Wisconsin 53562

DESIGNED: JRH
DRAWN: EAS
CHECKED:
PEER REVIEWED:
PROJECT MANAGER: BLSH
DATE: 12-17-97

FACILITY MAP		REVISION
WEYERHAEUSER COMPANY MARSHFIELD, WISCONSIN		PROJECT: 6109012
		GROUP: B
		SHEET: 1 OF 1

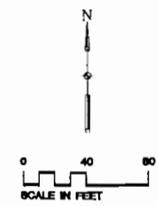
REV	DESCRIPTION OF REVISION	BY	DATE



Need Separate Map For
~~Hand~~ Dotted Areas
 (As Close To 1"=20' to plus ble)
 (include from Survey & Cont. Map)
 Etc

LEGEND

- EXISTING BUILDINGS
- REMEDIATED AREAS
- EXISTING WALLS
- EDGE OF GRAVEL
- FOUNDATION WALLS
- AREAS WITH IMPACTS REMAINING
- WOODWARD-CLYDE SAMPLING LOCATION



DATE: 11/11/03
 DRAWN BY: JRM
 CHECKED BY: EAS
 PROJECT: CORE MILL REMEDIATION
 SHEET: 1 OF 2

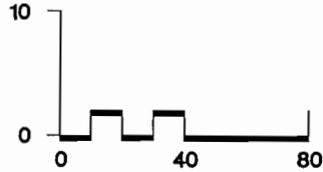
Woodward-Clyde Consultants
 Engineering & solutions applied to the earth & its environment
 8383 Greenway Boulevard
 Milwaukee, Wisconsin 53222

WARNING
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

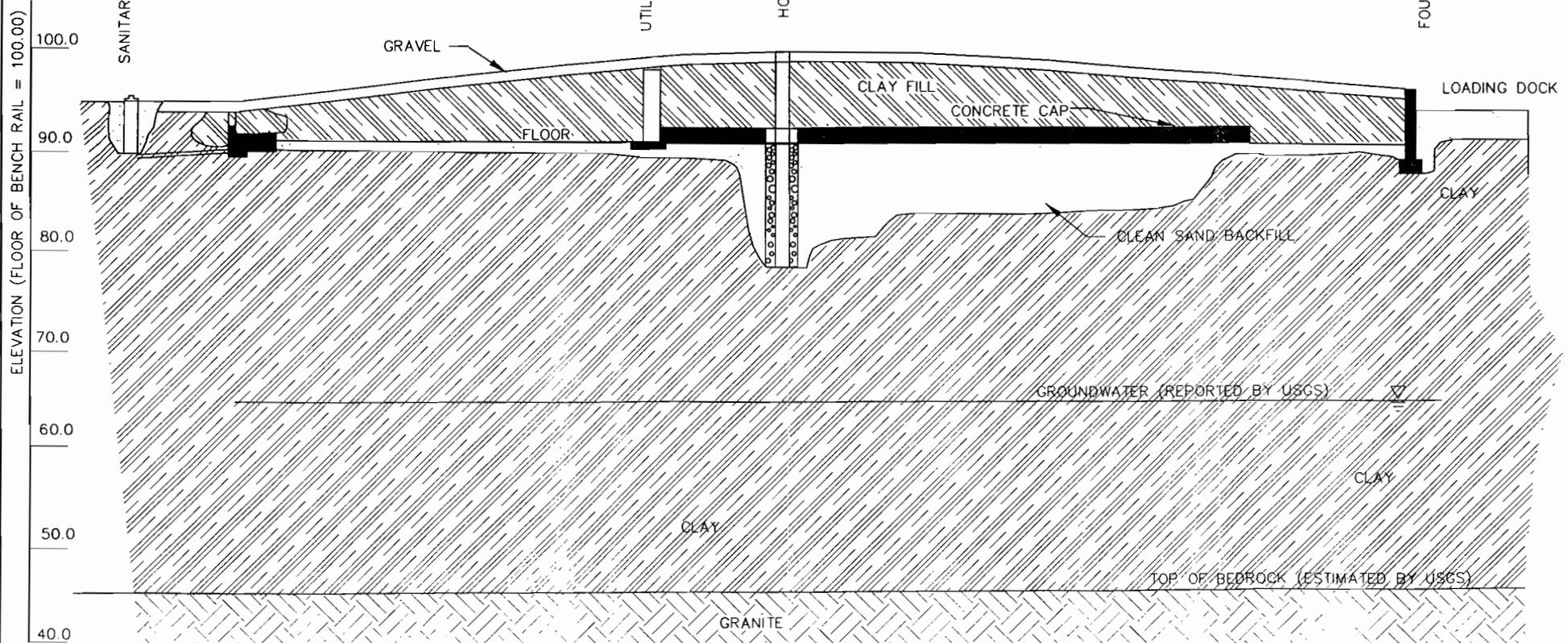
DESIGNED: JRM
 DRAWN: EAS
 CHECKED: PEER REVIEWED
 PROJECT MANAGER:

POST REMEDIATION SAMPLING LOCATIONS		REVISION
CORE MILL REMEDIATION WEYERHAEUSER COMPANY MARSHFIELD, WISCONSIN		PROJECT: 110901
		DRAWING: G

CROSS SECTION SCALE



SCALE IN FEET
VERTICAL EXAGGERATION: FOUR TIMES



SECTION A

DATE TO BE DRAWN: 11/13/18
 DATE: 11/13/18
 PROJECT: 6E09012
 SHEET: 1 OF 1

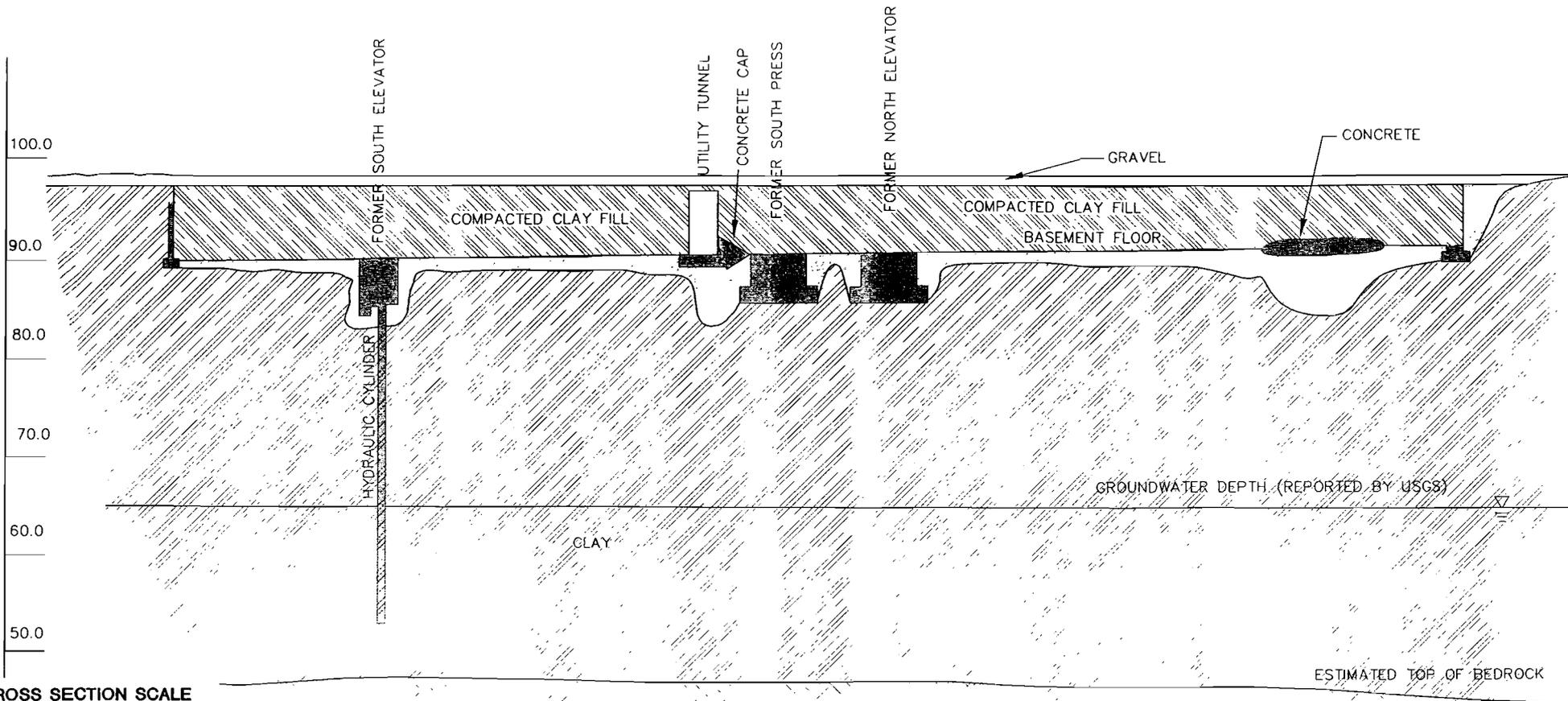
**Woodward-Clyde
International-Americas**
 Engineering & sciences applied to the earth & its environment
 8383 Greenway Boulevard
 Middleton, Wisconsin 53560

WARNING
 0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

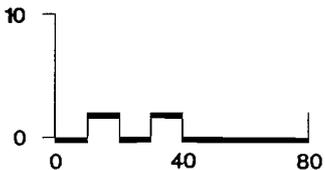
DESIGNED: JRH
 DRAWN: EAS
 CHECKED:
 FIELD REVIEWED:
 PROJECT MANAGER:
 DATE: 1-23-98

POST-REMEDIATION GEOLOGIC CROSS SECTION
 CORE MILL REMEDIATION
 WEYERHAEUSER COMPANY
 MARSHFIELD, WISCONSIN

REVISION
 PROJECT: 6E09012
 DRAWING: H-1
 SHEET: 1 OF 1



CROSS SECTION SCALE

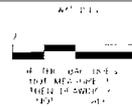


SCALE IN FEET
VERTICAL EXAGGERATION: FOUR TIMES

SECTION B'



**Woodward-Clyde
International-Americas**
Engineering & sciences applied to the earth & its environment
8383 Greenway Boulevard
Middleton Wisconsin 53562



DATE: 1-23-98
DRAWN BY: JRM
CHECKED BY: EAS

POST-REMEDIATION GEOLOGIC CROSS SECTION

CORE MILL REMEDIATION
WEYERHAEUSER COMPANY
MARSHFIELD, WISCONSIN

PROJECT: 6E09012
DRAWING: H-2
PAGE: 1 1

TABLE F - 1
POST REMEDIATION SOIL SAMPLE ANALYTICAL RESULTS

Sampling Data							
Source Area			S-1	S-2 / North Elevator	S-3	S-4	Power House Drain
Location	from BM	ft E / ft N	350 E/ 356 N	98 E/ 400 N	0 E/ 380 N	0 E/ 332 N	0 E/ 292 N
Sample depth	below floor	ft	1.5	6.5	3.0	2.5	3.0
Date Collected			12/12/96	12/12/96	1/2/97	1/2/97	1/2/97
TPH Analyses					USOIL	USOIL	USOIL
Lab ID No.					5015582B	5015582A	5015582C
Date Extracted					1/8/97	1/8/97	1/8/97
Date Analysed					1/9/97	1/9/97	1/9/97
DRO	WDNR modified	mg/kg	nt	nt	97	< 10	150
PCB Analysis					HES	HES	HES
Lab ID No.					71000034	71000033	71000035
Date Extracted					1/6/97	1/6/97	1/6/97
Date Analysed					1/14/97	1/14/97	1/14/97
Aroclor 1016	SW846-8080	ug/kg	nt	nt	< 8.4	< 8.1	< 8.5
Aroclor 1221	SW846-8080	ug/kg	nt	nt	< 16	< 16	< 16
Aroclor 1232	SW846-8080	ug/kg	nt	nt	< 19	< 18	< 19
Aroclor 1242	SW846-8080	ug/kg	nt	nt	< 24	< 23	< 24
Aroclor 1248	SW846-8080	ug/kg	nt	nt	< 21	< 20	< 21
Aroclor 1254	SW846-8080	ug/kg	nt	nt	< 12	< 11	< 12
Aroclor 1260	SW846-8080	ug/kg	nt	nt	< 34	< 33	< 34
PAH Analysis					USOIL	USOIL	HES
Lab ID No.			5015464A	5015464B	70100034	70100035	
Date Extracted			12/23/96	12/23/96	1/16/97	1/16/97	
Date Analysed			12/30/96	12/30/96	1/27/97	1/27/97	
Acenaphthene	SW846-8270	ug/kg	<35	<35	< 8.3	nt	< 7.9
Acenaphthylene	SW846-8270	ug/kg	<35	<35	< 8.3	nt	< 8.3
Anthracene	SW846-8270	ug/kg	<26	<26	< 8.6	nt	< 8.7
Benzo(a)Anthracene	SW846-8270	ug/kg	<28	<28	< 2.4	nt	< 3.1
Benzo(a)pyrene	SW846-8270	ug/kg	<32	<32	< 6.1	nt	< 6.1
Benzo(b)fluoranthene	SW846-8270	ug/kg	<37	<37	< 1.5	nt	< 1.0
Benzo(k)fluoranthene	SW846-8270	ug/kg	<39	<39	2.4	nt	2.1
Benzo(g,h,i)perylene	SW846-8270	ug/kg	<37	<37	< 0.55	nt	< 0.31
Chrysene	SW846-8270	ug/kg	<36	<36	2.5	nt	5.6
Dibenzo(a,h)Anthracene	SW846-8270	ug/kg	<44	<44	3.0	nt	< 0.78
Fluoranthene	SW846-8270	ug/kg	<24	<24	2.4	nt	0.98
Fluorene	SW846-8270	ug/kg	<30	<30	1.5	nt	< 0.18
Ideno(1,2,3-cd)pyrene	SW846-8270	ug/kg	<44	<44	1.6	nt	< 0.47
Methyl-Naphthalene,1-	SW846-8270	ug/kg	<29	<29	0.84	nt	< 0.29
Methyl-Naphthalene,2-	SW846-8270	ug/kg	<28	<28	1.5	nt	< 0.12
Naphthalene	SW846-8270	ug/kg	<38	<38	< 0.32	nt	< 0.32
Phenanthrene	SW846-8270	ug/kg	<29	<29	1.6	nt	< 0.49
Pyrene	SW846-8270	ug/kg	<26	<26	< 0.70	nt	3.6

Notes: nt = not tested; BM = southwest corner of Sump S-5.

TABLE F - 1
POST REMEDIATION SOIL SAMPLE ANALYTICAL RESULTS

Sampling Data								
Source Area			Utility Tunnel					
Location	from BM	ft E / ft	68 E/ 175 N	81 E/ 168 N	75 E/ 175 N	98 E/ 168 N	90 E/ 175 N	98 E/ 179 N
Sample depth	below floor	ft	3.0	3.0	4.5	2.0	3.5	2.0
Date Collected			5/20/96	5/20/96	5/20/96	5/20/96	5/20/96	5/20/96
TPH Analyses			USOIL	USOIL	USOIL	USOIL	USOIL	USOIL
Lab ID No.			5013314A	5013314B	5013314C	5013314D	5013314F	5013314E
Date Extracted			5/22/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96
Date Analysed			5/22/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96
DRO	WDNR modified	mg/kg	< 10	< 10	41	< 10	< 10	< 10
PCB Analysis								
Lab ID No.								
Date Extracted								
Date Analysed								
Aroclor 1016	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1221	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1232	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1242	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1248	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1254	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
Aroclor 1260	SW846-8080	ug/kg	nt	nt	nt	nt	nt	nt
PAH Analysis			USOIL	USOIL	USOIL	USOIL	USOIL	USOIL
Lab ID No.			5013314A	5013314B	5013314C	5013314D	5013314F	5013314E
Date Extracted			5/22/96	5/22/96	5/22/96	5/22/96	5/22/96	5/22/96
Date Analysed			5/23/96	5/23/96	5/23/96	5/23/96	5/23/96	5/23/96
Acenaphthene	SW846-8270	ug/kg	< 4	< 4	< 4	5	6	5
Acenaphthylene	SW846-8270	ug/kg	< 110	< 110	< 110	< 110	< 110	< 110
Anthracene	SW846-8270	ug/kg	< 1.5	< 1.5	< 1.5	< 1.5	2.4	< 1.5
Benzo(a)Anthracene	SW846-8270	ug/kg	<2	<2	9	<2	<2	2.5
Benzo(a)pyrene	SW846-8270	ug/kg	<1.3	<1.3	22	<1.3	<1.3	<1.3
Benzo(b)fluoranthene	SW846-8270	ug/kg	<0.6	<0.6	60	<0.6	<0.6	6
Benzo(k)fluoranthene	SW846-8270	ug/kg	<0.15	<0.15	5	<0.15	1.4	<0.15
Benzo(g,h,i)perylene	SW846-8270	ug/kg	<2	<2	11	<2	<2	8
Chrysene	SW846-8270	ug/kg	<20	<20	<20	<20	<20	<20
Dibenzo(a,h)Anthracene	SW846-	ug/kg	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Fluoranthene	SW846-8270	ug/kg	<80	<80	180	<80	<80	<80
Fluorene	SW846-8270	ug/kg	<2.2	<2.2	<2.2	<2.2	11	<2.2
Ideno(1,2,3-cd)pyrene	SW846-8270	ug/kg	<150	<150	<150	<150	<150	<150
Methyl-Naphthalene,1-	SW846-8270	ug/kg	<6	<6	<6	<6	10	<6
Methyl-Naphthalene,2-	SW846-8270	ug/kg	<5	<5	<5	<5	14	8
Naphthalene	SW846-8270	ug/kg	<2.4	<2.4	<2.4	<2.4	7	<2.4
Phenanthrene	SW846-8270	ug/kg	<3	<3	4	<3	16	6
Pyrene	SW846-8270	ug/kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

Notes: nt = not tested; BM = southwest corner of Sump S-5.