

GIS REGISTRY

Cover Sheet

March, 2010
(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" form)*

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Monitoring Wells:

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

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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 #: 02-06-000027 PARCEL ID #: 226-00023-0000
ACTIVITY NAME: Army Corps of Engineers Fountain City Service Base WTM COORDINATES: X: 381915 Y: 408497

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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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 11 x 17 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 #: A2 Title: U.S. COE Fountain City Service Base Location
- 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 #: 3 & C2 Title: Remediated Area and Site Sketch & Probe Locations
- 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 #: 000025 & 6 Title: Sample Location and Total Lead (0 - 4 FT. BGS)

BRRTS #: 02-06-000027

ACTIVITY NAME: Army Corps of Engineers Fountain City Service Base

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 #: **Title:**

Figure #: **Title:**

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 #: 4 **Title: Groundwater Flow Diagram**

Figure #: **Title:**

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

Tables must be no larger than 11 x 17 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 #: 26 - 46 **Title: PCB Soil and Sediment 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 #: E-1 **Title: Postremedial Groundwater Laboratory Analysis Results**

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 #: 4 **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 #: 02-06-000027

ACTIVITY NAME: Army Corps of Engineers Fountain City Service Base

NOTIFICATIONS

Source Property

Not Applicable

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.

Not Applicable

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:



May 25, 2011

Mr. Terrance Jorgenson
U.S. Corps of Engineers
190 East 5th Street
St. Paul, MN 55101

SUBJECT: Final Case Closure with Continuing Obligations
Army Corps of Engineers – Fountain City Service Base, Fountain City, WI
WDNR BRRTS Activity #: 02-06-000027

Dear Mr. Jorgenson:

On May 7, 2010, the West Central Regional Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 7, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On May 6, 2011, the Department received information or documentation indicating that you have complied with the requirements for final closure. The monitoring well abandonment forms and the cap maintenance plan were received at that time.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line

<http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

Residual Soil Contamination

Residual soil contamination remains at B-66 (lead > 500 mg/kg) and confirmation sample locations 5621, 5630, 5026, 5027, 4726 and SO-1 (PCBs > 5.0 mg/kg) as indicated Sheet 000025 and Figure #6 in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual 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. 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.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the soil fill material that currently exists in the location shown on the attached maps shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

Prohibited Activities

The following activities are prohibited on any portion of the property where a building foundation or soil cover 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; 6) construction or placement of a building or other structure.

Residual Groundwater Contamination

Groundwater impacted by PCBs contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and

Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil.

Please send written notifications in accordance with the above requirements to Doug Joseph at the West Central Regional RR Program Office.

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

Sincerely,



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

c: U.S.C.O.E. - Fountain City Service Base file

COVER (BARRIER OR CAP) MAINTENANCE PLAN: Fountain City Wisconsin Service Base, US Army Corps of Engineers, Property.

5/02/2011

Property Located at:

US Army Corps of Engineers, Fountain City, Service Base
431 North Shore Drive
Fountain City Wisconsin, 54629
BRRTS # 02-06-000027
DNR FID # 606009580

Clean up area is located on north end of Corps of Engineers (COE) property bounded by the Mississippi River to the southwest, chain linked fence on the northeast and railroad tracks and chain link fence on the northeast, US Army Corps of Engineers Property.

Introduction

This document is the Maintenance Plan for a soil and building cover/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 building and soil cover/barrier occupying the area over the contaminated soil on-site. The area includes a riprap slope at the river slope to prevent erosion of the native and added fill cover.

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

The case file in the DNR Division of Air and Waste Remediation and Redevelopment, West Central Region; at address: Wisconsin Dept. of Natural Resources 1300 W Clairemont Ave. Eau Claire WI 54701. (mailing address PO. Box 4001 Eau Claire WE 54702-4001)

BRRTS on the Web (DNR's internet based data base of contaminated sites):
<http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>

GIS Registry PDF file for further information on the nature and extent of contamination:
<http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2>; and

The DNR project manager is Douglas Joseph, Hydrogeologist, 715-839-1602
douq.joseph@wisconsin.gov

Description of Contamination

Soils at the site were contaminated by PCB, Petroleum (PVOC) and Lead from the surface to approximately less than 10 feet below grade. Soils with lead contamination were removed in August 1996 and final PCB and PVOC contaminated soils removed in 1999. Groundwater monitoring wells that were installed in 1999 were abandoned in 2009 following 2009 sampling with no PCB impacts and no PVOC's or PAH's exceeding preventive action limits. All known contaminated soils were on government property and/or in nearshore sediment along the riverbank. Groundwater levels are at or near the Mississippi River level generally at 10-14 feet below ground surface and flowing, southwest toward the river. The area of contamination and clean up is shown on Attachment D 1; the maintenance plan covers the area shown on the north end labeled "Marine Ways, and PCB Sediment Excavation Area".

Description of the Soil and Building cover to be maintained:

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 overlying the cover/barrier of soil are removed or replaced, the replacement cover must be equally impervious. Any replacement cover 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 soil cover consists of clean sandy fill placed on the natural slope to level the property (decrease the slope from the railroad tracks to the river) The river slope has been protected with riprap for erosion protection, (approximate slope of 1V to 1.5H). A 30' by 180' steel sided building has been placed on the NE portion of the site parallel to the railroad tracks/property line. The building is located about 22' riverward of the railroad tracks and about 70' landward of the Mississippi River. The new site layout include a drainage swale between the railroad tracks and the landward side of the building to divert surface water around the building site. A portion of the riverward side of the building includes class 5 type road gravel. The building is a concrete wall and footings "pole shed type" with steel siding. The cross section of the new building and clean fill added to the site is shown on the attached Exhibit 1. The cover/barrier over the contaminated area serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The building footprint serves as a barrier to minimize infiltration over a significant portion of the remediated area and will serve to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. The class 5 covering will provide some infiltration prevention. Based on the current and future use of the property, the cover should function as intended unless disturbed.

Annual Inspection (End of May)

The barrier/cover overlying the soil as depicted in exhibit 1 will be inspected once a year, normally in the spring (end of May) after spring river levels drop and all snow and ice is gone; the inspection will look for deterioration, erosion, and other potential problems that can cause 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 erosion, 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 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. The property owner, in order to maintain the integrity of the barrier/cover, 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 a building foundation, soil cover, 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
May, 2011

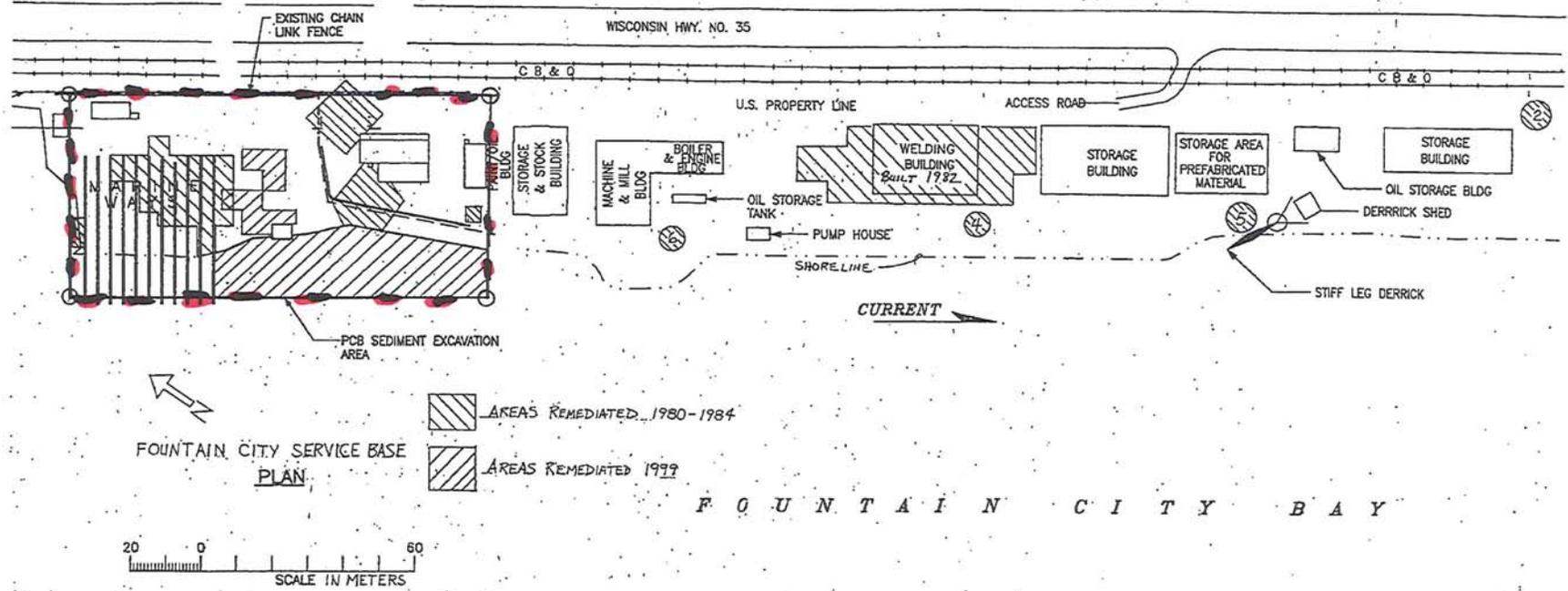
US Army Corps of Engineers
431 North Shore Drive, Fountain City WI. 54629
608-687-8526

Signature: _____



Consultant: US Army Corps of Engineers, District Office Contact, Terrance Jorgenson
180 East 5th Street, suite 700, St. Paul MN 55101
651-290-5598

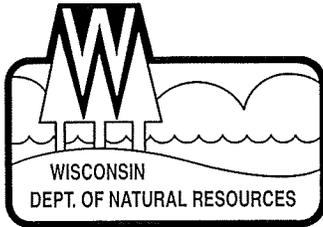
WDNR: Mr. Douglas Joseph
Wisconsin Dept. of Natural Resources, 1300 W Clairemont Ave., Eau Claire WI 54701



Remediated Area
 ATTACHMENT D1

Barrier INSPECTION and MAINTENANCE LOG

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



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711

May 7, 2010

Mr. Terrance Jorgenson
U.S. Corps of Engineers
190 East 5th Street
St. Paul, MN 55101

SUBJECT: Conditional Closure with Requirements to Achieve Final Case Closure
Army Corps of Engineers – Fountain City Service Base, Fountain City, WI
WDNR BRRTS Activity #: 02-06-000027

Dear Mr. Jorgenson:

On May 7, 2010, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The West Central Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the PCB and petroleum contamination on the site from the historic use of using transformer oil for dust control appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

1. The monitoring wells at the site must be properly abandoned in compliance 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/org/water/dwg/gw/> or provided by the Department of Natural Resources.
2. A cap maintenance plan must be submitted to the Department outlining how the soil cap over residual PCB contamination at sample locations 5621, 5630, 5026, 5027, 4726 and SO-1 and the residual lead contamination at sample location B-66, will be inspected and, if necessary, repaired on an annual basis.

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 Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas Joseph", with a long horizontal flourish extending to the right.

Douglas Joseph
Hydrogeologist
Bureau for Remediation & Redevelopment

c: File

DEED No. 1207

RECEIVED
SEP 4 2009
DNR-WCR

THE UNITED STATES OF AMERICA
In the
UNITED STATES DISTRICT COURT
For the
WESTERN DISTRICT OF WISCONSIN

IN THE MATTER OF THE CONDEMNATION BY THE UNITED STATES OF AMERICA OF
A CERTAIN RIGHT OF WAY OVER AND ACROSS THE PREMISES KNOWN AS THE
FOUNTAIN CITY BOAT YARD SITUATED IN THE COUNTY OF BUFFALO, STATE OF
WISCONSIN, REQUIRED FOR THE MAINTENANCE OF NAVIGATION IN THE MISSIS-
SIPPI RIVER.

File No. 3941 at Law

United States of America, by John J.
Boyle, United States Attorney for
The Western District of Wisconsin,
Petitioner,

Filed 3/6/40

-vs-

FINAL DECREE

A certain right of way over and across
the Fountain City Boat Yard in Buffalo
County, Wisconsin; Charles Kirchner,
et al,
Respondents.

This proceeding was instituted by the United States of
America, in conformity to the provisions of the Act of Congress ap-
proved April 24, 1888, entitled "An Act to Facilitate the Prosecu-
tion of Works Projected for Improvement of Rivers and Harbors" (25
Stat. 94) and in conformity to Section 32.15 of the Statutes of Wis-
consin for 1935, the purpose of such proceeding being to perfect the
title of the United States to the premises hereinafter described.

It appears that on January 8, 1908 the United States of
America acquired by purchase from Henry Roettiger and Fred Roettiger,
Jr., and their respective wives, a parcel of land, hereinafter more
fully described, located in Lots 3 and 4, Section 8, Township 19
North, Range 11 West, Buffalo County, Wisconsin, such conveyance be-
ing recorded in Volume 59 of Deeds, page 134, Buffalo County, Wiscon-
sin Registry; that the conveyance of said premises to the United States
contained a reservation in the following language:

"- - excepting the right to tie his stone barges
on the shore of Still Slough, and the use of ground

Deed # 1207 CoE FCSB

Figure # 10

fifty feet on each side of the stone tracks upon which to pile stone, heretofore reserved by Frank Mattausch."

It further appears that the United States went into possession of the said premises at or about the time of its acquisition of title and that since said date has employed such premises as a boat yard in connection with the maintenance of navigation in the Mississippi River; that extending across the boat yard premises, at the time of the acquisition by the United States, was a tram railway used and designed to convey rock from a quarry lying easterly of said premises; that there were buildings and other physical appurtenances used in conjunction with said tram located within the fifty-foot strip referred to in the exception heretofore quoted; that the said tram and the said physical appurtenances were in existence at the time of the commencement of this proceeding.

The petition of the United States in this cause sought to relieve the boat yard premises from the servitude referred to as the Mattausch reservation, to enable the United States to remove the said tram and physical appurtenances and to have an adjudication of the compensation due to the owner, or owners, of such reservation, and physical properties, for the appropriation thereof by the United States in the exercise of its power of eminent domain.

Upon the said petition for condemnation, proceedings have been had in this cause, in conformity to the law in such case made and provided, for the appointment of condemnation commissioners and for an appraisal of the value of the property appropriated and the extinguishment of the easements reserved in connection therewith; that the records and files herein disclose that service of process, as required by law, has been had upon all persons known to have any interest in the said property either by personal or substituted service and by substituted service by publication upon all unknown persons who might claim to have any interest in the said property or in any premises for benefit of which the said reservation existed.

Figure 1 b

It further appears that after due service of notice, as required by law, the Condemnation Commissioners so appointed made and filed with this Court a report and award finding that the tramway served as a means of access to a stone quarry lying east of the boat yard premises and further finding that the value of said tram and other physical properties located on the boat yard premises, together with the damage resulting to the stone quarry property by reason of the appropriation of the tramway and the extinguishment of said easement, was TWO THOUSAND DOLLARS (\$2000.00); that the payment of said sum, together with interest to be allowed by the Court, would constitute just compensation for the appropriation of said property, and resulting damage.

The time allowed for appeal therefrom having expired, the said report and award of Commissioners was confirmed by this Court and the United States was directed to pay into the Registry of this Court the sum of TWO THOUSAND DOLLARS (\$2,000.00), plus interest thereon at the rate of 6% per annum from the 3rd day of August, 1937 to the date of such deposit. It appears that, in conformity to the said confirming order, the United States has caused to be deposited in the Registry of this Court the said sum of Two Thousand Dollars (\$2,000.00), plus interest in the sum of Three Hundred Dollars (\$300.00).

It further appears from the records and files herein that the United States caused to be filed on the 16th day of August, 1936 with the Register of Deeds for Buffalo County, Wisconsin, a notice of the pendency of this action containing a description of the property, the purpose of the proceeding, and the names of persons known and unknown who might have some right, title or interest in said premises.

NOW, THEREFORE, upon the records and files herein, and upon motion of John T. Harrington, Special Asst. to the Atty. Gen'l.

I

IT IS ORDERED, ADJUDGED AND DECREED that the proceedings

had herein upon the petition for condemnation filed by the United States be and the same are hereby confirmed and that by virtue of the payment of the determined just compensation, as aforesaid, the United States is entitled to a decree vesting in it the interests and rights sought to be acquired, pursuant to the prayer of its petition for condemnation.

II

IT IS FURTHER ORDERED, ADJUDGED AND DECREED that the United States of America be and it is hereby vested with the title in fee simple to the premises situated in the County of Buffalo, State of Wisconsin, more particularly described as follows:

Fee Title

All that part of Lots Three (3) and Four (4) in Section Eight (8) in Township Nineteen (19) North of Range Eleven (11) West, described as follows: Commencing at the Northwest corner of said Lot 3, thence east on the north line of said Lot 3 to the west line of the right of way of the Chicago, Burlington & Quincy Railroad Company, thence in a southeasterly direction along the west line of the said right of way of said railroad company to the south line of a piece of the land conveyed by Fridolin Zwicke to William H. Laird et al., by deed recorded in Volume 27 of Deeds on page 182, thence S. 46 3/4 degrees W. along the south line of said last named tract to the bank of the Mississippi River, thence in a northwesterly direction along the bank of the Mississippi River to the place of beginning, excepting therefrom so much of the above described piece of land as was conveyed by Nicholas Arenz, et al, to Tobias Voegeli, by deed recorded in Volume 19 of Deeds on page 413,

free and clear of the servitude, rights of user or occupancy and all other interests or rights existing by virtue of the exception contained in that certain deed from Henry Roettiger, et al, to the United States of America, recorded on November 11, 1908 in Volume 59 of Deeds, page 134, Buffalo County, Wisconsin Registry, the language of said exception being as follows:

"- - excepting the right to tie his stone barges on the shore of Still Slough, and the use of ground fifty feet on each side of the stone tracks upon which to pile stone, heretofore reserved by Frank Mattausch."

it being the intention of the Court to divest the said Frank Mattausch,

his heirs, creditors, representatives and assigns of all rights so reserved, and to extinguish the rights of all other persons in the described premises which may exist adversely to the rights of the said Frank Mattausch, his heirs, creditors, representatives and assigns.

III.

IT IS FURTHER ORDERED, ADJUDGED AND DECREED that the United States of America be and it is hereby vested with the right to remove the tramway, buildings and physical properties from the premises heretofore described which may have appertained to the right of user reserved by the said Frank Mattausch.

IV

IT IS FURTHER ORDERED, ADJUDGED AND DECREED that the compensation paid into the Registry of this Court by the United States shall stand in lieu of the rights hereby expropriated and shall be disbursed to the person, or persons, entitled thereto upon petition to and order of this Court.

Dated this 6th day of March, 1940.

PATRICK T. STONE
United States District Judge

DISTRICT COURT OF THE UNITED STATES OF AMERICA
Western District of Wisconsin
- - - - -

I, H. C. Hale, Clerk of the District Court of the United States of America, for the Western District of Wisconsin, do hereby certify that I have compared the writings annexed to this Certificate, with the originals now in my custody, and they are true copies of their respective originals and are correct transcripts therefrom, and of the whole thereof, now on file and remaining of record in my office.

IN TESTIMONY WHEREOF, I have hereunto set my hand and duly affixed the seal of the said Court, at the city of Madison, in the said Western District of Wisconsin, this 27th day of March, in the year of our Lord, one thousand nine hundred and forty and of the Independence of said United States the one hundred and sixty-fourth.

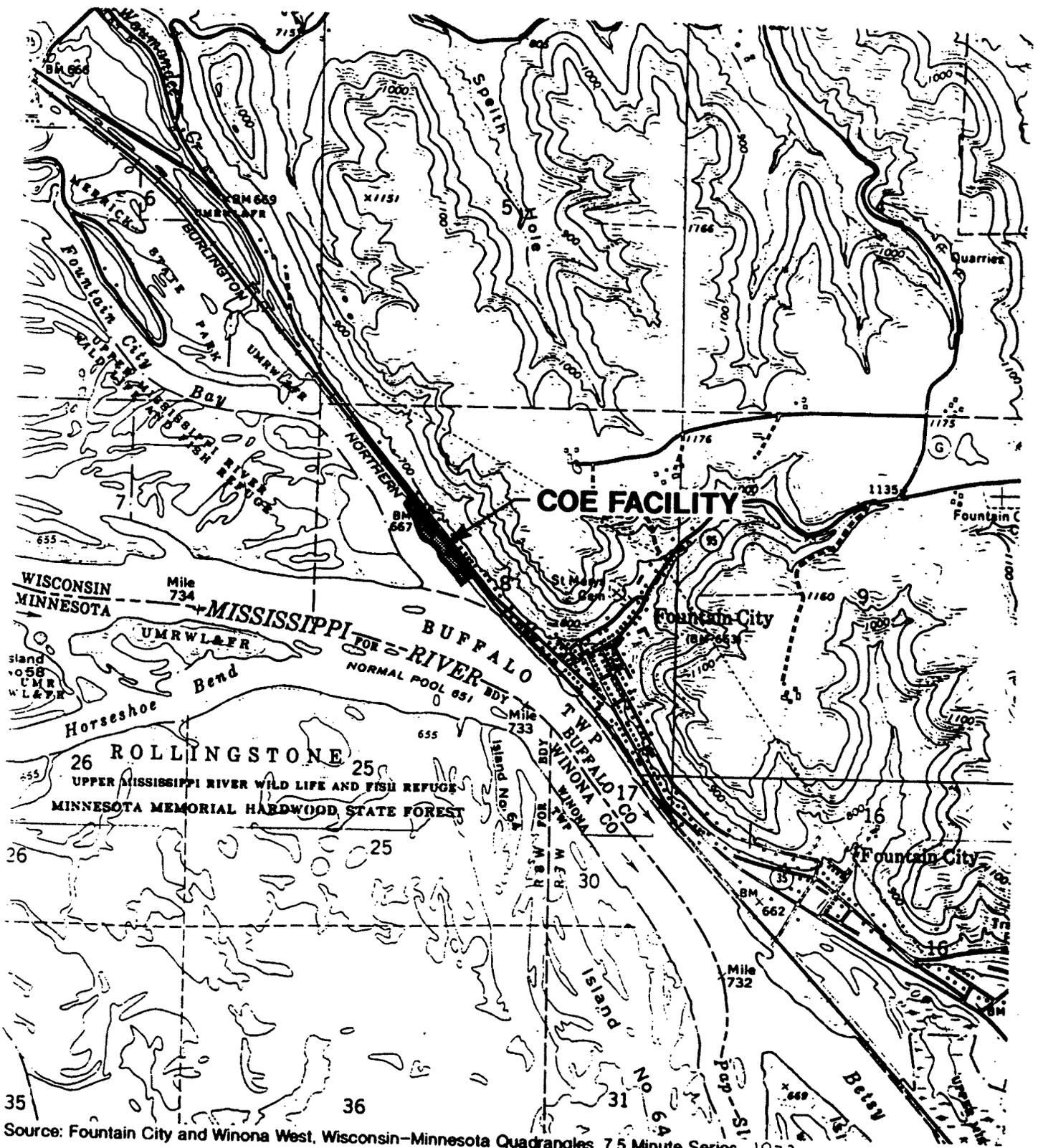
(SEAL)

H. C. Hale, Clerk
By Walter A. Lapinske, Deputy

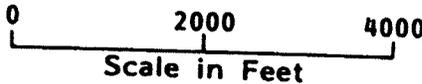
REGISTER'S OFFICE } No. 86714
BUFFALO COUNTY, WIS.) } SS.

Received for record the 28th day of March A. D. 1940
at 8:00 o'clock A.M., and recorded in Vol. 83 of Deeds
page 47.

Chas. H. Kaste
REGISTER



Source: Fountain City and Winona West, Wisconsin-Minnesota Quadrangles, 7.5 Minute Series, 1972



U.S. COE FOUNTAIN CITY
SERVICE BASE LOCATION

Attachment A2

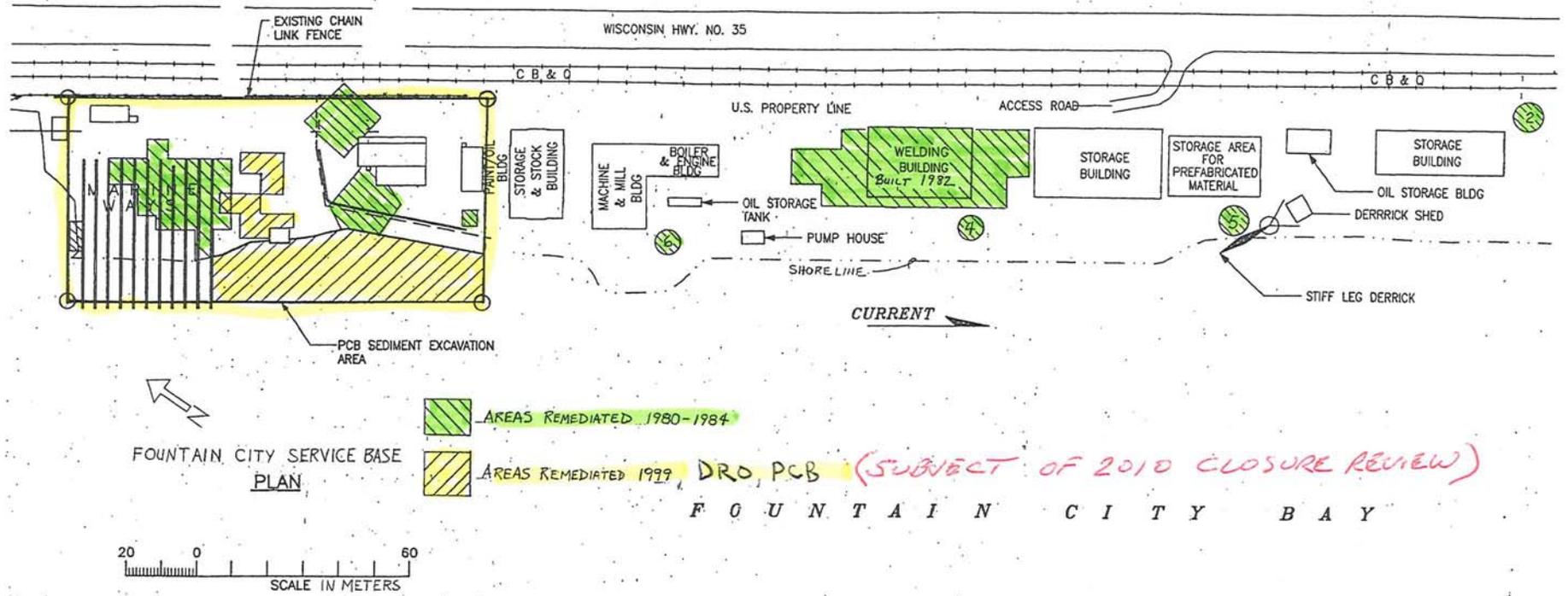


Figure 3
Site Map

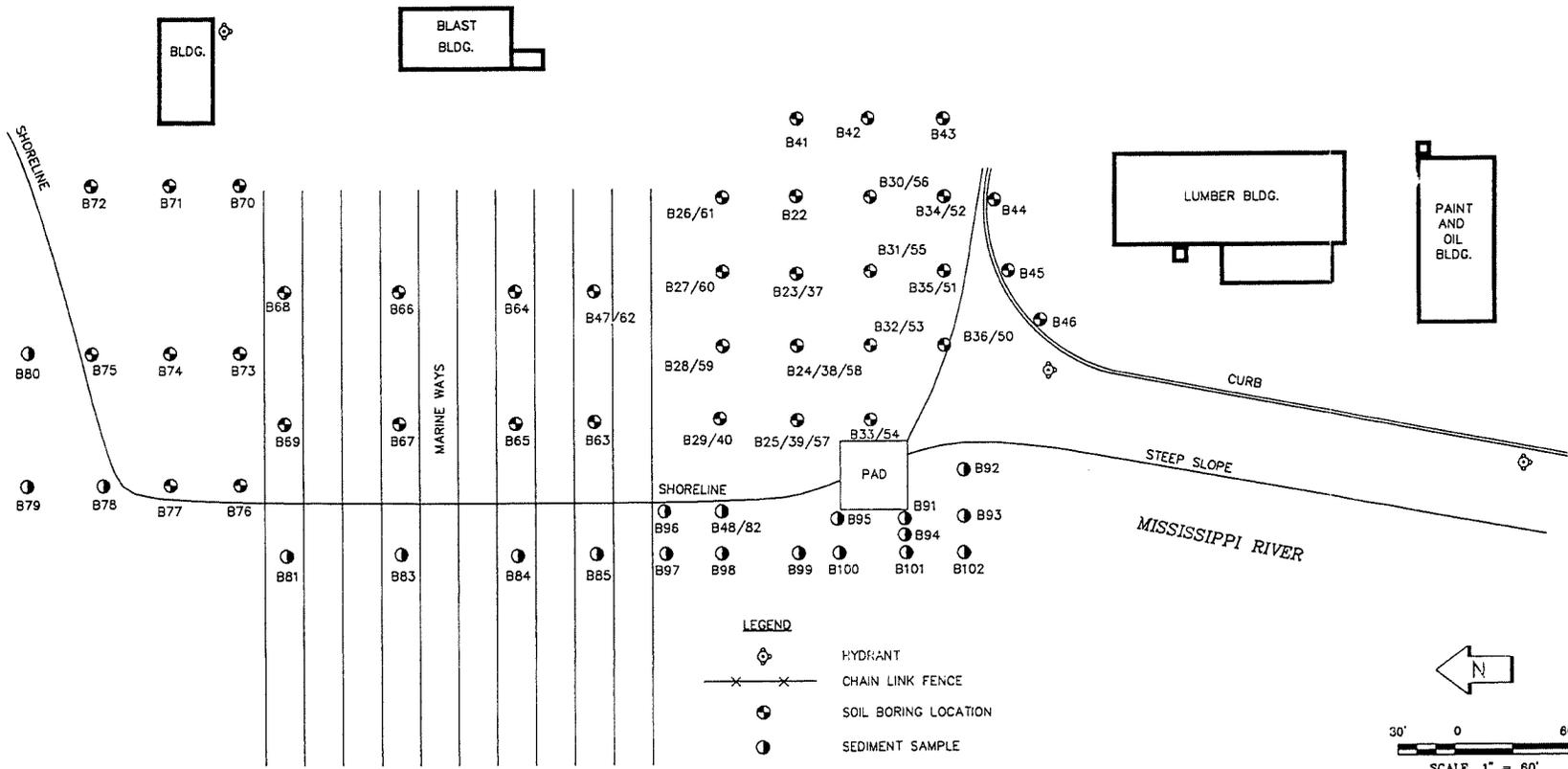
22
P51

WISCONSIN STATE TRUNK HIGHWAY NO. 35

CHICAGO BURLINGTON AND QUINCY RAILROAD

BRADY
INTERTEC

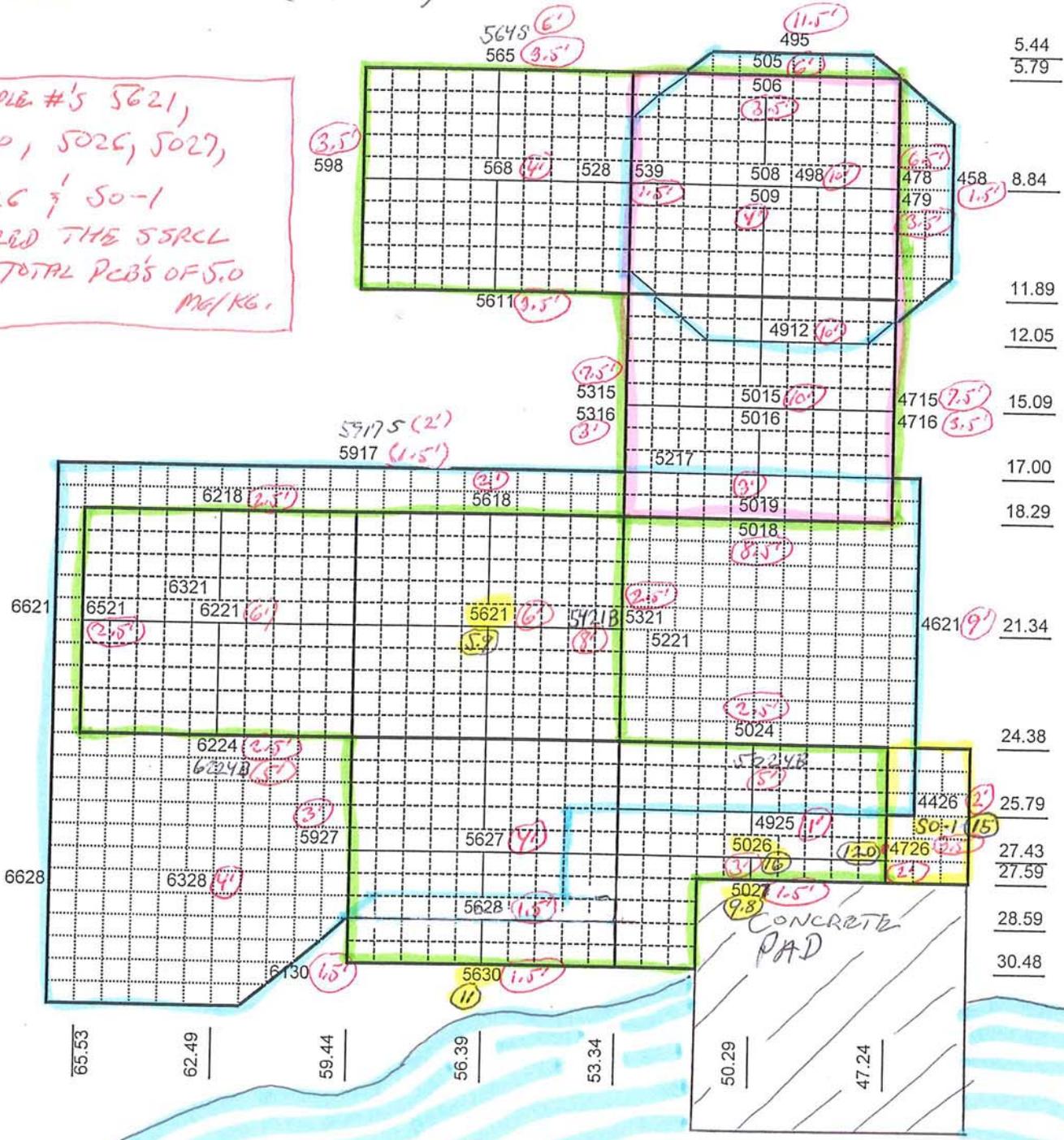
SITE SKETCH AND PROBE LOCATIONS
FOUNTAIN CITY SERVICE CENTER
U.S. ARMY CORPS OF ENGINEERS
FOUNTAIN CITY, WISCONSIN



INT	DATE	08-30-95
DRAWN BY: LO	09-1-95	
APP'D BY: DAK	DACW37-9414	
JOB NO.	AC379414	SHEET OF
ENG. NO.		SCALE 1" = 30'
FIGURE NO.	6	

- 1ST EXCAVATION (PCB > 50 PPM)
 - 2ND EXCAVATION (PCB > 5 PPM < 50 PPM)
 - 3RD EXCAVATION (DRO > 100 PPM)
 - 4TH EXCAVATION (PCB > 5 PPM)
- Sample Location
(Overlay - all areas)
Not to Scale

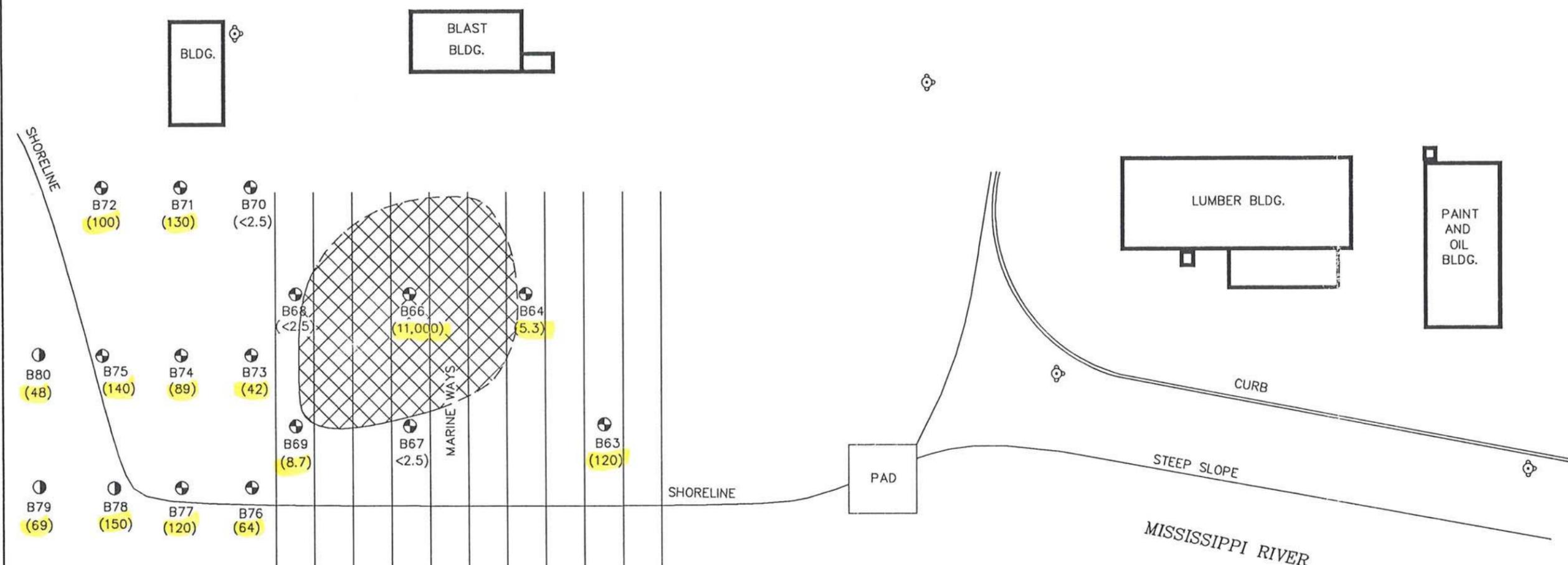
SAMPLE #'S 5621,
5630, 5026, 5027,
4726 & 50-1
EXCEED THE 55RCL
FOR TOTAL PCB'S OF 5.0
MG/KG.



RIVER

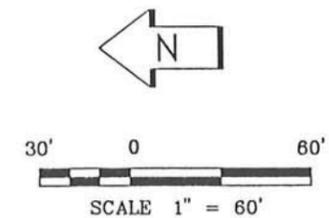
WISCONSIN STATE TRUNK HIGHWAY NO. 35

CHICAGO BURLINGTON AND QUINCY RAILROAD



LEGEND

- HYDRANT
- CHAIN LINK FENCE
- SOIL BORING LOCATION
- SEDIMENT SAMPLE
- TOTAL LEAD CONCENTRATION (ppm)
- TOTAL LEAD CONCENTRATION >250.0 ppm



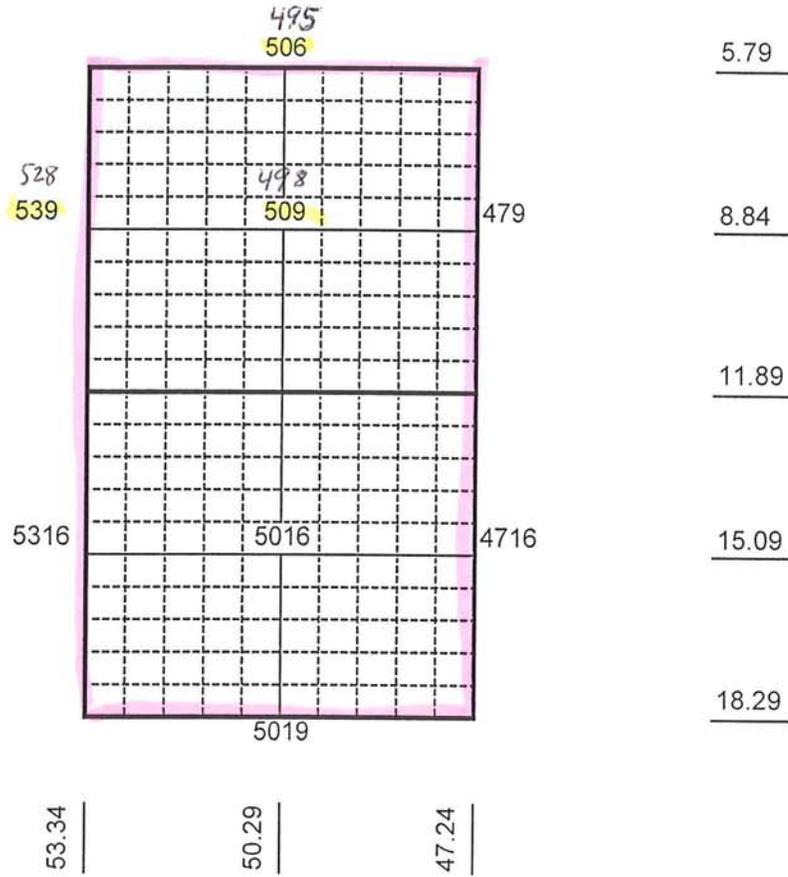
BRAUN
INTERTEC

TOTAL LEAD (0-4 FT. BGS)
FOUNTAIN CITY SERVICE CENTER
U.S. ARMY CORPS OF ENGINEERS
FOUNTAIN CITY, WISCONSIN

INT	DATE	SHEET	OF
LOL	08-30-95	1	1
DAK	09-11-95	1	1
JOB NO. DACW37-9414		DWG. NO. AC379414	
SCALE 1" = 30'		FIGURE NO. 6	

PCB > 50 PPM (TSCA)

Type 50 Sample Locations



000026

Type 50 PCB Results

Confirmatory Samples

Units in ug/kg

495 EXCAVATED TO 11.5'
EXCAVATED 4' - 10'
508 EXCAVATED TO 10'

Compound	Sample Number							
	506	539	509	479	5316	5016	4716	5019
Aroclor 1016	U	U	U	U	U	U	U	U
Aroclor 1221	U	U	U	U	U	U	U	U
Aroclor 1232	U	U	U	U	U	U	U	U
Aroclor 1242	U	U	U	U	U	U	U	U
Aroclor 1248	U	U	U	U	U	U	U	U
Aroclor 1254	U	U	U	U	U	U	U	U
Aroclor 1260	9300	30000	13000	3700	1800	3100	14	2700

3.5' *1.5'* *BOE 4'* *3.5'* *3'* *BOE* *3.3'* *3'*

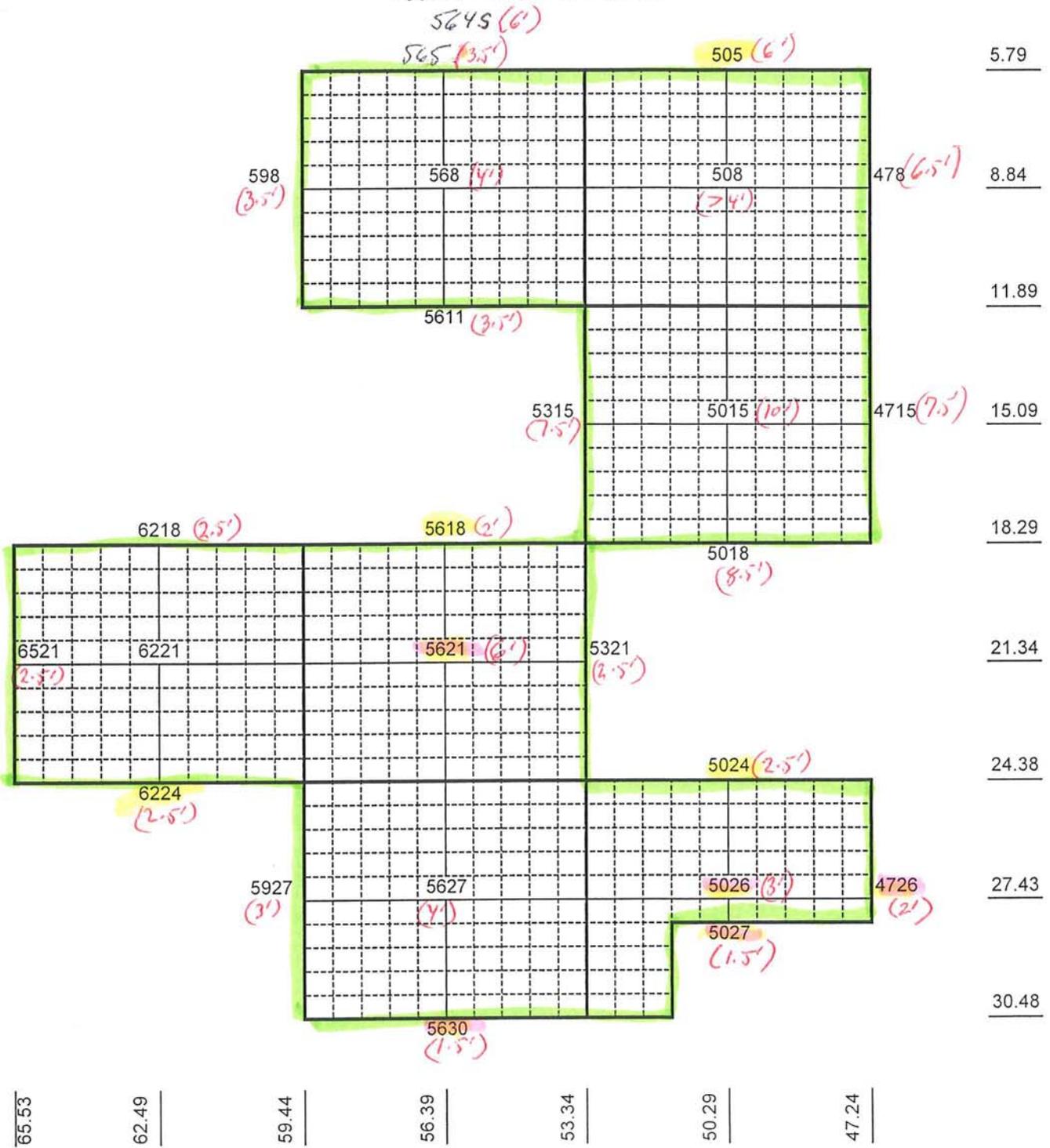
U = Analyzed, not detected

~~REMOVED~~

000027

PCB > 5 PPM < 50 PPM

Type 5 Sample Locations



REMAINS IN PLACE

000030

Type 5 PCB Results
Confirmatory Samples
 Units in ug/kg

564's *495' EXCAVATED TO 11.5'*

Compound	Sample Number							
	565	505	598	568	508	478	5611	5315
Aroclor 1016	U	U	U	U	U	U	U	U
Aroclor 1221	U	U	U	U	U	U	U	U
Aroclor 1232	U	U	U	U	U	U	U	U
Aroclor 1242	U	U	U	U	U	U	U	U
Aroclor 1248	U	U	U	U	U	U	U	U
Aroclor 1254	U	U	U	U	U	U	U	U
Aroclor 1260	52000	5100	8.6	120	3800	1300	3900	18

U = Analyzed, not detected *3.5' REMOVED* *BOX 6.6'*

EXCAVATED TO 9' *REMAINING*

Compound	Sample Number							
	5015	4715	6218	5618	5018	6521	6221	5621
Aroclor 1016	NS	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	U	U	U
Aroclor 1260		14	900	32000	90	84	170	5900

U = Analyzed, not detected
 NS = No sample, at ground water

6224B EXCAVATED TO 5' *5024B EXCAVATED TO 8'* *2'* *PAD IS STRUCTURAL IMPROVEMENT* *REMAINING 6'* *PAD IS STRUCTURAL IMPROVEMENT*

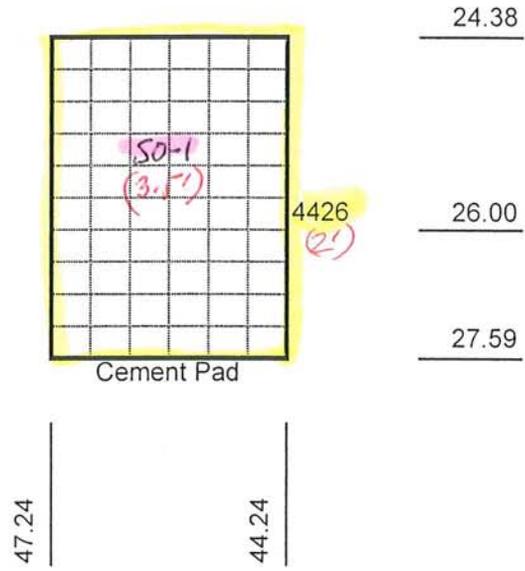
Compound	Sample Number								
	5321	6224	5024	5927	5627	5026	4726	5630	5027
Aroclor 1016	U	U	U	U	U	U	U	U	U
Aroclor 1221	U	U	U	U	U	U	U	U	U
Aroclor 1232	U	U	U	U	U	U	U	U	U
Aroclor 1242	U	U	U	U	U	U	U	U	U
Aroclor 1248	U	U	U	U	U	U	U	U	U
Aroclor 1254	U	U	U	U	U	U	U	U	U
Aroclor 1260	970	5700	7300	2700	1200	16000	120000	11000	9800

U = Analyzed, not detected

 REMOVED BY ADOT EXCAVATION

 REMAINS IN PLACE

SOIL
Overexcavation Sample Location



000043

SOIL & SEDIMENT
Overexcavation Sampling

Units in ug/kg

Compound	Sample Number	
	P3A	SO-1
Aroclor 1016	U	U
Aroclor 1221	U	U
Aroclor 1232	U	U
Aroclor 1242	U	U
Aroclor 1248	U	U
Aroclor 1254	U	U
Aroclor 1260	U	15000

U = Analyzed, not detected

Explanation:

Sample P3A Resampling of sediment to determine overexcavation limit to reach "clean" material.

Sample SO-1 Soil sampling to determine overexcavation limit to reach PCB clean-up standard.

000046

Overexcavation PCB Results

Confirmatory Sample

Units in ug/kg

OK

	Sample Number
Compound	4426
Aroclor 1016	U
Aroclor 1221	U
Aroclor 1232	U
Aroclor 1242	U
Aroclor 1248	U
Aroclor 1254	U
Aroclor 1260	3500

2!

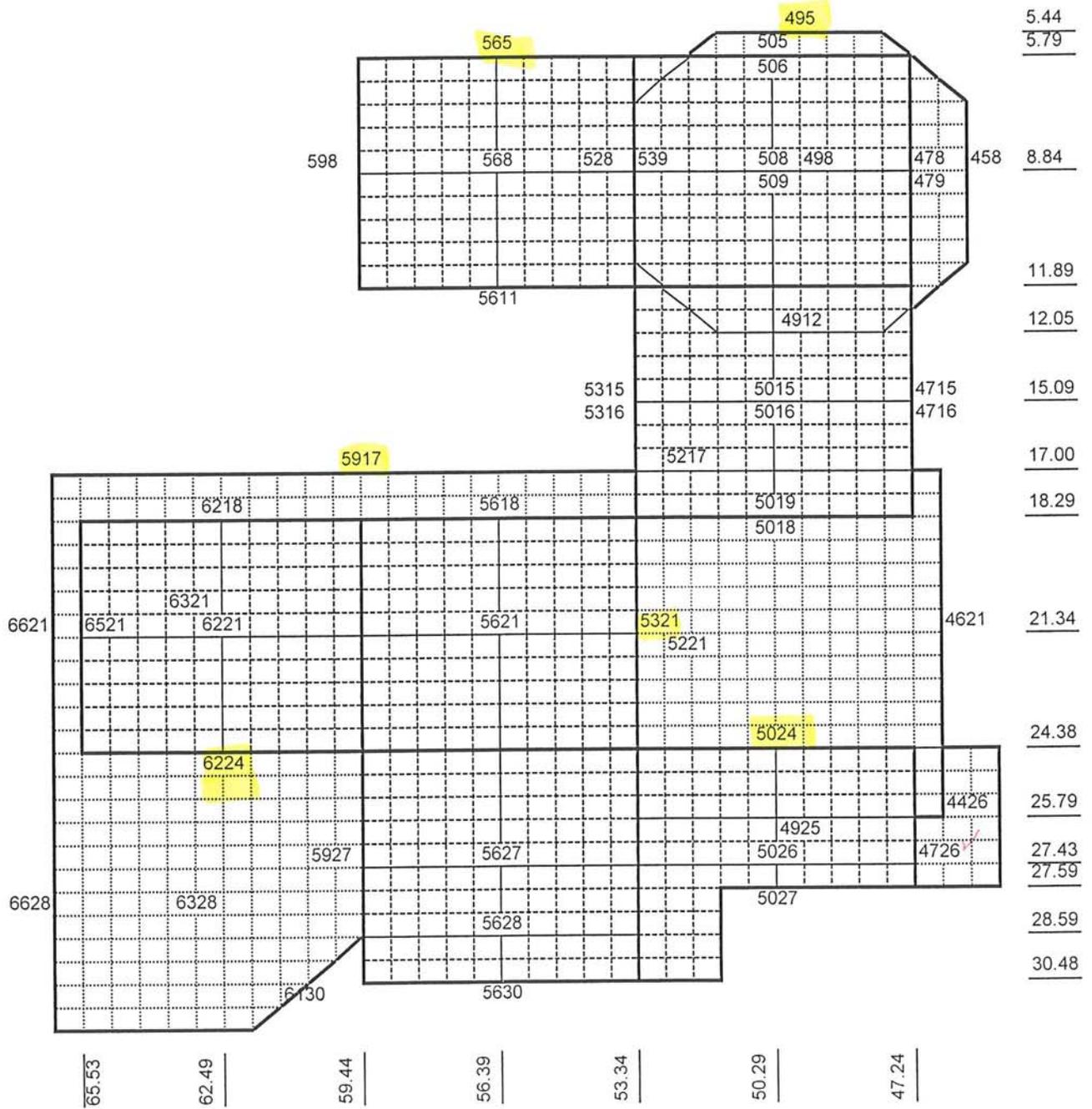
U = Analyzed, not detected

000045

RE - Sample Location

(Overlay - all areas)

Not to Scale



000025

Resample PCB Results
Confirmatory Samples
 Units in ug/kg

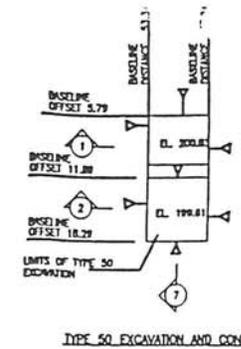
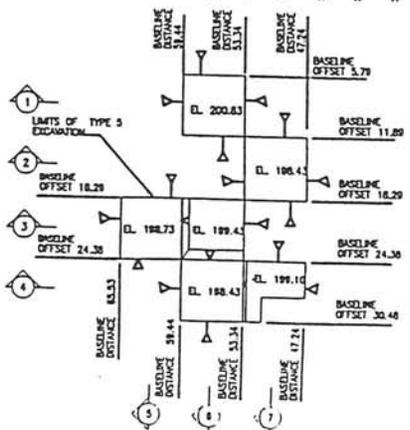
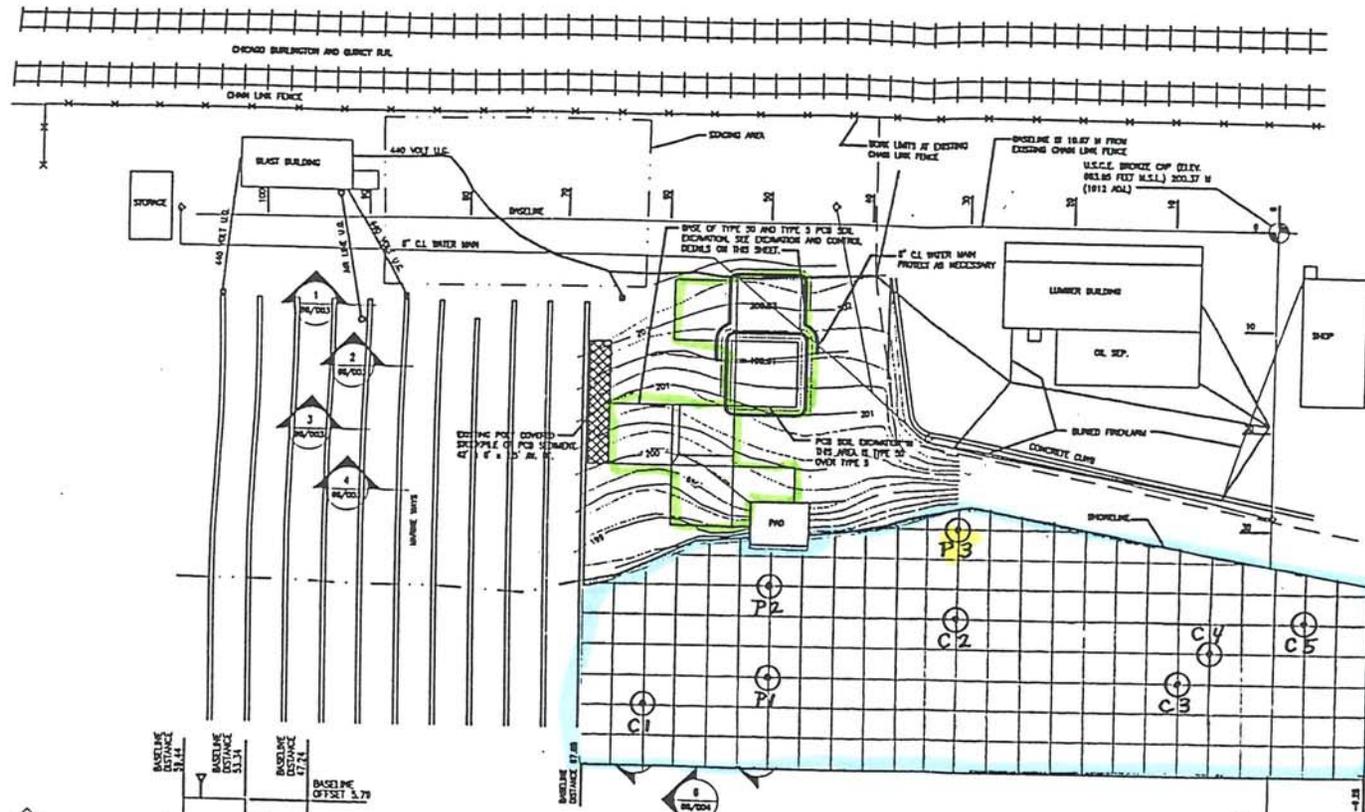
Compound	Sample Number					
	495	6224B	5421B	5917S	5024B	564S
Aroclor 1016	U	U	U	U	U	U
Aroclor 1221	U	U	U	U	U	U
Aroclor 1232	U	U	U	U	U	U
Aroclor 1242	U	U	U	U	U	U
Aroclor 1248	U	U	U	U	U	U
Aroclor 1254	U	U	U	U	U	U
Aroclor 1260	65	560	1100	2100	770	U

11.5' 5' 8' 2' 5' 6'

U = Analyzed, not detected

Explanation:

- Sample 495** Resampling of sidewall after additional soil excavation during DRO excavation. Sample 505 originally was 5.1 ppm.
- Sample 6224B** Bottom sample where sidewall sample 6224 used to be (sidewall removed during DRO excavation). Original result for 6224 was 5.7 ppm.
- Sample 5421B** Bottom sample where sidewall sample 5321 used to be (sidewall removed during DRO excavation).
- Sample 5917S** Resampling of sidewall after additional soil excavation during DRO excavation. Sample 5618 originally was 32 ppm.
- Sample 5024B** Bottom sample where sidewall sample 5024 used to be (sidewall removed during DRO excavation). Original result for 5024 was 7.3 ppm
- Sample 564S** Resampling of sidewall after additional soil excavation during DRO excavation. Sample 565 was originally 52 ppm.

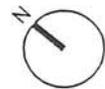
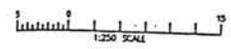


Random Sites for Ponar (P) and Core (C) Sediment Sample - WDNR, February 26, 1999

NOTE: BASELINE OFFSET FOR DREDGING HAS BEEN REVISED.
22-JUN-98
EXCAVATED 2'-6.5' D.

- DEFINITIONS:
- TYPE 50 EXCAVATION MATERIAL INCLUDES SOIL WITH PCB CONCENTRATIONS GREATER THAN OR EQUAL TO 50 PPB.
 - TYPE 5 EXCAVATION MATERIAL INCLUDES SOIL WITH PCB CONCENTRATIONS LESS THAN 50 PPB BUT GREATER OR EQUAL TO 3 PPB.
 - PETROLEUM IMPACTED SOILS INCLUDES SOIL WITH PCB CONCENTRATIONS LESS THAN 3 PPB AND ORO CONCENTRATIONS GREATER THAN OR EQUAL TO 10 PPB. THESE SOILS WILL BE DEPOSED OF AS IF THEY WERE TYPE 5.
 - PCB SEDIMENTS INCLUDE ALL SOIL BELOW THE WATER SURFACE IN THE AREAS TO BE DREDGED.

- NOTES:
- UNLESS OTHERWISE NOTED, UNITS SHOWN ARE IN METERS.
 - FIELD LOCATION AND SIZE OF STRUCTURES SHOWN FROM CONTRACT DRAWINGS. CONTRACTOR TO FIELD VERIFY AS REQUIRED.
 - DECK BRIDGE COP SET BY POLSON CIVIL SERVICE, ESTABLISHED FROM LEGS WHICH BARE CTS LOCATED AT BUILDING #1.
 - SEE DND 86/201 FOR FULL DEFINITION OF WORK LIMITS.



000042

US Army Corps of Engineers
St. Paul District

Amcnd. 0003

DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT
CORPS OF ENGINEERS
ST. PAUL, MINNESOTA

DESIGNED BY: [blank]
CHECKED BY: [blank]
DATE: [blank]

CONTRACT DRAWING
-111 IMPROVEMENTS
PLAN AND CONTROL DATA
PCB SOIL/SEDIMENT REMEDIATION

DRAWING NUMBER
[blank]

Sediment PCB Results

Confirmatory Samples

Units in ug/kg

Compound	Sample Number							
	P1	P2	P3	C1	C2	C3	C4	C5
Aroclor 1016	U	U	U	U	U	U	U	U
Aroclor 1221	U	U	U	U	U	U	U	U
Aroclor 1232	U	U	U	U	U	U	U	U
Aroclor 1242	U	U	U	U	U	U	U	U
Aroclor 1248	U	U	U	U	U	U	U	U
Aroclor 1254	U	U	U	U	U	U	U	U
Aroclor 1260	340	350	2200	480	30	100	32	36

U = Analyzed, not detected

000043

SOIL & SEDIMENT
Overexcavation Sampling

Units in ug/kg

Compound	Sample Number	
	P3A	SO-1
Aroclor 1016	U	U
Aroclor 1221	U	U
Aroclor 1232	U	U
Aroclor 1242	U	U
Aroclor 1248	U	U
Aroclor 1254	U	U
Aroclor 1260	U	15000

U = Analyzed, not detected

Explanation:

Sample P3A Resampling of sediment to determine overexcavation limit to reach "clean" material.

Sample SO-1 Soil sampling to determine overexcavation limit to reach PCB clean-up standard.

000046

Postremedial Groundwater Laboratory Analysis Results
Fountain City Service Base
(Partial Listing)
Concentrations in ug/L

<u>Compound</u>	<u>Date Sampled</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>Duplicate</u>	<u>Field Blank</u>	<u>Trip Blank</u>	<u>PAL</u>	<u>ES</u>	
DRO	9/1/1999	<100	160	<100	<100	210	280	<100	--	NA	NA	
	1/5/2000	<100	160	<100	<100	200	<100	<50	--	NA	NA	
	4/3/2000	<100	180	<100	<100	130	<100	<100	--	NA	NA	
	6/12/2000	<100	120	140	<100	170	130	<100	--	NA	NA	
	3/30/2001	<100	<100	<100	<100	<100	<100	<100	--	NA	NA	
	7/19/2001	<100	<100	<100	<100	270	<100	<100	--	NA	NA	
	7/6/2006	--	--	--	--	--	--	--	--	--	--	
PVOCs	9/1/1999	<1	<1	<1	<1	<1	<1	<1	<1	varies	varies	
	1/5/2000	<	<	<	<	<	<	<	<	varies	varies	
	4/3/2000	<	<	<	<	<	<	<	<	varies	varies	
	6/12/2000	<	<	<	<	<	<	<	<	varies	varies	
	3/30/2001	<	<	<	<	<	<	<	<	varies	varies	
	7/19/2001	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	varies	varies	
	7/6/2006	<	<	<	<	--	<	<	<	varies	varies	
Toluene	1/5/2000	<	<	<	<	<	<	*0.75	<	200	1000	
Toluene	6/12/2000	<	<	1.6	<	<	1.5	<	<	200	1000	
Toluene	3/30/2001	<	<	<	<	<	<	*0.38	<	200	1000	
Toluene	7/6/2006	<0.36	<0.36	<0.36	<0.36	--	<0.36	<0.36	0.45	200	1000	
<u>Compound</u>	<u>Date</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>Duplicate</u>	<u>Field Blank</u>	<u>Trip Blank</u>	<u>PAL</u>	<u>ES</u>	
PAHs	9/1/1999	<10	<10	<10	<10	<10	<10	<10	--	varies	varies	
	1/5/2000	<	<	<	<	<	<	<	--	varies	varies	
	4/3/2000	<	<	<	<	<	<	<	--	varies	varies	
	6/12/2000	<	<	<	<	<	<	<	--	varies	varies	
	3/30/2001	<	<	<	<	<	<	<	--	varies	varies	
	7/19/2001	<	<	<	<	<	<	<	--	varies	varies	
	7/6/2006	<	<	<	<	--	<	<	--	varies	varies	
	Acenaphthene	6/12/2000	<	<	<	<	*0.61	<	<	--	NE	NE
	Acenaphthene	3/30/2001	<	0.13	<	<	0.29	0.16	<	--	NE	NE
	Acenaphthene	7/19/2001	<	0.12	<	<	0.16	*0.032	<	--	NE	NE
Acenaphthene	7/6/2006	<0.0086	0.13	<0.0086	<0.0087	--	<0.0086	<0.0087	--	NE	NE	
Acenaphthylene	3/30/2001	<	<	<	<	*0.066	<	<	--	NE	NE	
Acenaphthylene	7/19/2001	<	<	<	<	*0.043	<	<	--	NE	NE	
Acenaphthylene	7/6/2006	<0.0086	<	<0.0086	<0.0087	--	<0.0086	<0.0087	--	NE	NE	
Anthracene	3/30/2001	<	<	<	<	*0.069	<	<	--	600	3000	
Anthracene	7/6/2006	<0.012	0.014	<0.012	<0.012	--	<0.012	<0.012	--	600	3000	

02-06-00027

**Postremedial Groundwater Laboratory Analysis Results
Fountain City Service Base
(Partial Listing)
Concentrations in ug/L**

<u>Compound</u>	<u>Date Sampled</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>Duplicate</u>	<u>Field Blank</u>	<u>Trip Blank</u>	<u>PAL</u>	<u>ES</u>
PAHs Continued											
Fluoranthene	7/19/2001	<	<	<	<	*0.029	<	<	--	80	400
Fluoranthene	7/6/2006	<0.016	<0.016	<0.016	<0.017	--	<0.016	<0.017	--	80	400
Fluorene	6/12/2000	<	<	<	<	*1.7	<	<	--	80	400
Fluorene	3/30/2001	<	*0.086	<	<	0.38	0.11	<	--	80	400
Fluorene	7/19/2001	<	<	<	<	0.13	<	<	--	80	400
Fluorene	7/6/2006	<0.0096	<0.0096	<0.0096	<0.0097	--	<0.0096	<0.0097	--	80	400
2-Methylnaphthalene	3/30/2001	<	<	<	<	*0.045	<	<	--	NE	NE
2-Methylnaphthalene	7/6/2006	<0.012	<0.012	<0.012	<0.012	--	<0.012	<0.012	--	NE	NE
1-Methylnaphthalene	3/30/2001	<	<	<	<	*0.039	<	<	--	NE	NE
1-Methylnaphthalene	7/6/2006	<0.011	<0.011	<0.011	<0.011	--	<0.011	<0.011	--	NE	NE
Napthalene	6/12/2000	<	<	<	<	<	<	2.6	--	8	40
Napthalene	3/30/2001	<	*0.032	*0.032	*0.035	*0.05	*0.044	<	--	8	40
Napthalene	7/19/2001	<	0.11	<	<	<	*0.046	<	--	8	40
Napthalene	7/6/2006	<0.013	<0.013	<0.013	<0.013	--	<0.013	0.054	--	8	40
Phenanthrene	3/30/2001	<	<	<	<	*0.028	<	<	--	NE	NE
Phenanthrene	7/19/2001	<	<	<	<	*0.042	<	<	--	NE	NE
Phenanthrene	7/6/2006	<0.012	<0.012	<0.012	<0.012	--	<0.012	<0.012	--	NE	NE
Pyrene	3/30/2001	<	*0.038	<	<	<	*0.044	<	--	50	250
Pyrene	7/19/2001	<	0.067	<	<	*0.033	*0.041	<	--	50	250
Pyrene	7/6/2006	<0.015	0.03	<0.015	<0.016	--	<0.015	<0.016	--	50	250
Compound PCBs											
	<u>Date Sampled</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>Duplicate</u>	<u>Field Blank</u>	<u>Trip Blank</u>	<u>PAL</u>	<u>ES</u>
Aroclor 1016, 1221, 1232	9/1/1999	<1	<1	<1	<1	<1	<1	<1	--	0.003	0.03
1242, 1248, and 1254	1/5/2000	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	--	0.003	0.03
	4/3/2000	--	--	<0.33	--	--	<0.33	<0.33	--	0.003	0.03
	6/12/2000	--	--	<0.26	--	--	<0.13	<0.13	--	0.003	0.03
	3/30/2001	--	--	<0.70	--	--	<0.70	<0.70	--	0.003	0.03
	7/19/2001	--	--	<0.28	--	--	<0.28	<0.28	--	0.003	0.03
	7/6/2006	<0.27	<0.27	<0.27	<0.27	--	<0.27	<0.27	--	0.003	0.03
Aroclor 1260	9/1/1999	<1	<1	11	<1	<1	<1	<1	--	0.003	0.03
	1/5/2000	<0.33	<0.33	4.5	<0.33	<0.33	<0.33	<0.33	--	0.003	0.03
	4/3/2000	--	--	5.3	--	--	4.7	<0.33	--	0.003	0.03
	6/12/2000	--	--	5.3	--	--	2.6	<0.13	--	0.003	0.03
	3/30/2001	--	--	<0.70	--	--	<0.70	<0.70	--	0.003	0.03

ATTACHMENT E1 p52

ATTACHMENT E1 p5



US Army Corps
of Engineers®
St. Paul District

PROJECT TITLE:

Ftn City Wells

COMPUTED BY:

TJ

DATE:

July 07

SHEET:

SUBJECT TITLE:

Monitoring Well Levels

CHECKED BY:

DATE:

CONTRACT NO.:

TABLE 2

	MW1	MW2	MW3	MW4	MW5
9/1/99	656.70	650.97	651.00	651.02	651.55
1/5/00	656.88	651.05	651.04	651.10	651.22
3/30/01	656.79	651.03	651.02	651.07	651.20
7/18/01	657.10	651.29	651.11	651.32	651.43
7/6/06	656.53	650.92	650.84	650.94	650.95

Notes

1) MW-1 Screen zone 643.5 to 658.5 ; Upgradient Well

2) MW-2 to MW-5 Screen zone 643 to 654 - Downgradient

Summary: Prominent gradient toward the Mississippi River