

# GIS REGISTRY

## Cover Sheet

May, 2009  
(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:

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

#### Land Use Controls:

- |  |  |
|--|--|
| <input type="checkbox"/> N/A (Not Applicable)  | <input checked="" type="checkbox"/> Cover or Barrier (222)<br><i>(note: maintenance plan for<br/>groundwater or direct contact)</i>    |
| <input type="checkbox"/> Soil: maintain industrial zoning (220)<br><i>(note: soil contamination concentrations<br/>between non-industrial and industrial levels)</i> | <input type="checkbox"/> Vapor Mitigation (226)  |
| <input type="checkbox"/> Structural Impediment (224)   | <input type="checkbox"/> Maintain Liability Exemption (230)<br><i>(note: local government or economic<br/>development corporation)</i> |
| <input checked="" type="checkbox"/> Site Specific Condition (228)  |  |

#### 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 #:  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 #:**                      **Title: Site Location and Local Topography**
  - 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 #: 4**                      **Title: Site Layout and Borehole 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 #: 3**                      **Title: Remedial Excavation and Soil Sample Locations**

BRRTS #: 06-41-251302

ACTIVITY NAME: BLIFFERT GRANVILLE LUMBER & HOME CENTER

**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: Cross Section AA**

**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 #:**                      **Title: Ground-Water Elevation Contours**

**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 #: 1                      Title: Soil Sample Field Screening**

- 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 #: 3                      Title: Supplemental Site Investigation Ground Water**

- 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 #: 06-41-251302

ACTIVITY NAME: BLIFFERT GRANVILLE LUMBER & HOME CENTER

## 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

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
P O Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TTY 414-263-8713

July 13, 2004

Mr. Thomas Bliffert, President  
Bliffert Lumber Company  
c/o Ms Janet Hoehnen  
Lichtsinn & Haensel, S. C.  
111 East Wisconsin Avenue  
Suite 1800  
Milwaukee, WI 53202

Subject: Certificate of Completion, Bliffert's Property Located at 8747 North 107th Street, Milwaukee, WI

FID: 241974480  
BRRTS: 06-41-251302

Dear Mr. Bliffert:

On behalf of the Wisconsin Department of Natural Resources ("the Department"), I am enclosing your Certificate of Completion of Response Action under Section 292.15(2)(a), Wis. Statutes, signed by Scott Hassett, Secretary, Wisconsin Department of Natural Resources. The Department appreciates and thanks you for taking actions to investigate and remediate the contamination at this site under the voluntary party remediation and exemption liability (VPLE) program.

If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,

John J. Hnat, P. G.  
Senior Hydrogeologist  
Remediation and Redevelopment

C: WDNR SER Files



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
P O Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TTY 414-263-8713

June 4, 2004

Mr. Thomas Bliffert, President  
Bliffert Lumber Company  
c/o Ms Janet Hoehnen  
Lichtsinn & Haensel, S. C.  
111 East Wisconsin Avenue  
Suite 1800  
Milwaukee, WI 53202

Subject: Final Closure for Bliffert's Granville Lumber Co., 8747 North 107th Street,  
Milwaukee, WI

FID: 241074480  
BRRTS: 03-41-199544  
PECFA: 53224-2295-47

Dear Mr. Bliffert

On November 14, 2002, your site, as described above, was reviewed for closure by the Wisconsin Department of Natural Resources ("the Department"). The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 14, 2002, Kathleen Dahlgren (Lichtsinn & Haensel, S/ C.) on behalf of Bliffert Lumber Company was notified that conditional closure was granted to this case.

On June 3, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. A copy of the filed Deed Restriction and cap maintenance plan for residual soil contamination located on the site was received on this date. Based on the correspondence and data provided, it appears that this case has been remediated to Department standards in accordance with s. NR 726.05, Wisconsin Admin. Code. The Department considers this case closed and no further investigation, remediation, or other action is required at this time.

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 registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/orq/at/et/geo/gwur/index.htm>. If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). 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 at the web address listed above.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

Please be aware that this 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 the environment.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence.

Sincerely,

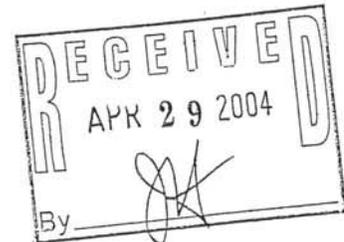


John J. Hnat, P. G.  
Senior Hydrogeologist  
Remediation and Redevelopment

C: Robert Sanborn, Northern Environmental  
WDNR SER Files

April 28, 2004  
(BLC01-1408-2174)

Mr. John Hnat  
Wisconsin Department of Natural Resources  
Southeast Region Headquarters  
2300 North Martin Luther King Drive  
Milwaukee, Wisconsin 53212



Re: Barrier Maintenance Plan, Bliffert's Granville Lumber Company, Incorporated, 8747 North 107th Street, Milwaukee, Wisconsin; FID #241974480; BRRTS #06-41-199544

Dear Mr. Hnat:

On behalf of Bliffert's Granville Lumber Company, Incorporated (Bliffert's), 8747 North 107th Street, Milwaukee, Wisconsin (the Site), Northern Environmental Technologies, Incorporated (Northern Environmental) is submitting a barrier maintenance plan as part of the case closure requirement for the Site.

Maintenance Plan

The Site owner will inspect the existing asphalt barrier and gravel surface on a quarterly basis. Paved areas will be examined for evidence of cracking, settling, potholes, erosion, and other damage. Damaged areas will be repaired within 30 days of discovery. A report describing the nature and extent of any damage to the barrier and subsequent repairs will be submitted to the Wisconsin Department of Natural Resources upon completion of these activities. Completed copies of written inspections will be maintained on site. An example of the inspection form is enclosed.

We trust this information meets your needs. Please contact us at (262) 241-3133 if you have any questions.

Sincerely,  
Northern Environmental  
Technologies, Incorporated

A handwritten signature in black ink, appearing to read "Robert Sanborn".

Robert K. Sanborn, PG  
Senior Project Manager

RKS/lmh  
Enclosure

c: Ms. Janet Hoehnen, Lichtsinn & Haensel, S.C

Quarterly Barrier Inspection Report  
8747 North 107<sup>th</sup> Street  
Milwaukee, Wisconsin

---

Date: \_\_\_\_\_ Weather \_\_\_\_\_

Inspected By: \_\_\_\_\_

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Observations of paved areas: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

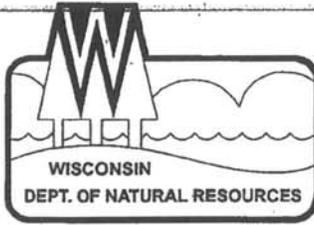
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters  
2300 N. Dr. ML King Drive, PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TTY 414-263-8713

November 14, 2002

Bliffert Lumber Company  
c/o Ms Kathleen Dahlgren  
Lichtsinn & Haensel, SC  
111 E. Wisconsin Ave.  
Milwaukee, WI 53202

Subject: Conditional Closure for Bliffert's Granville Lumber Company, 8747 North 107th St.,  
Milwaukee, WI

FID: 241974480  
BRRTS: 03-41-199544

Dear Ms Dahlgren:

On November 14, 2002 the Department of Natural Resources reviewed the above-named site for case closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the polycyclic aromatic hydrocarbons (PAHs) and arsenic found in soil appears to have been investigated and actively remediated to the extent practicable under site conditions. Based on the investigation and remedial documentation provided to the Department, it appears that the above-named site is in compliance with the requirements of Chs. NR 700 to 726, Wis. Admin. Code, as applicable. The Department has determined that it will not require additional site investigation or remediation for this site and considers the case "conditionally closed". Your case will be closed under s. NR 726.05, Wis. Admin. Code, if the following conditions are satisfied as listed below. On completion of the conditions of closure, a certificate of completion under the voluntary party liability exemption (VPLE) program will be issued for the site.

### Groundwater

The Department agrees with Northern Environmental that no PAH compounds or metals were detected in the groundwater samples during the August 2002 sampling event. The PAHs detected in the April 2002 groundwater samples are likely the result of the PAH compounds adsorbed onto the fine-grained sediments contained in the water samples. This was verified by re-sampling of these wells using low flow sampling techniques and re-analyzing the groundwater for PAHs and metals.

### Conditions for Closure

1. Monitoring Well Abandonment: The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Admin. Code. Documentation of well abandonment must be submitted to this office on forms provided by the Department of Natural Resources within 60 days from the date of this letter.
2. Waste and Soil Pile Removal: Any remaining waste and/or soil piles or drums containing waste generated as part of site investigation and remediation activities must be removed from the site and disposed of or treated in accordance with the Department of Natural Resources' rules. Please verify

that any remaining waste and/or soil piles or drums have been removed as part of your next submittal.

3. Deed Restriction for Contaminated Soil: The Department is requiring that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to maintain a surface barrier over the remaining soil contamination to prevent it from impacting human health and the environment. Specifically, for arsenic in sample locations S84, S85, B8, B9, and B10, and for benzo(a)pyrene, 2-methylnaphthalene, naphthalene, and phenanthrene in sample location B11. Also, if soil is excavated in the future, the property owner at that time will be required to sample and analyze the excavated soil in order to determine whether contamination still remains. The owner will also have to properly store, treat, or dispose of any excavated materials, based upon the results of that characterization, and take special precautions during excavation activities to prevent a direct contact threat to humans. The purpose is to notify all future owners that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation.

You will need to submit a draft deed restriction to me before the document is signed and recorded. To assist us in our review of the draft deed restriction, please submit a copy of the property deed to me along with the draft document. After the WDNR has reviewed the draft document for completeness and I have notified you, you should sign it if you own the property, or have the appropriate property owner to sign it, and have it recorded by the Milwaukee County Register of Deeds office, and then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

4. Although the deed restriction must be signed and recorded within 90 days after conditional closure is granted per s. NR 726.05(8)(b), Wis. Admin. Code, the Department understands this may not be met because of the review time required by the Department. Therefore, submittal of the draft deed restriction will fulfill the code requirement under s. NR 726.05(8)(b) Wis. Admin. Code.
5. Sites with soil contamination that exceed generic RCLs at the time of closure request shall be entered onto the Department's GIS Registry for soils, per s. NR 726.05(2), Wis. Admin. Code. Please submit the soil GIS packet and the appropriate fee of \$200 as required in ch. NR 749, Wis. Admin. Code. This cost is not included with the VPLE program.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Admin. 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 environmental at this site. If you have any questions regarding this letter, please contact me at the address listed above, or call me at 414-263-8644.

Sincerely,



John J. Hnat  
Hydrogeologist  
Remediation and Redevelopment

C: Robert Sanborn, Northern Environmental  
WDNR SER Files

*State of Wisconsin*  
*Department of Natural Resources*

**CERTIFICATE OF COMPLETION  
OF RESPONSE ACTIONS  
UNDER SECTION 292.15(2)(a), WIS. STATS.**

*Whereas*, **Thomas J. Bliffert** has applied for an exemption from liability under s. 292.15, Wis. Stats., for the property located at **8747 North 107<sup>th</sup> Street, Milwaukee, WI**, which is commonly referred to as **Bliffert's Granville Lumber Company**, further described in the legal description found on Attachment A, Document No. 8799992, at the Register of Deeds Office for Milwaukee County ("the Property");

*Whereas*, an environmental investigation of the Property has been conducted and has determined that contamination exists at the Property;

*Whereas*, **Thomas J. Bliffert** has submitted to the Wisconsin Department of Natural Resources ("WDNR") investigation reports and a remedial action plan for the Property which comply with the requirements set forth in chs. NR 700-754, Wis. Adm. Code, consisting of the documents and reports listed in Attachment B;

*Whereas*, in accordance with s. 292.15(2)(a), Wis. Stats., the WDNR has determined that an environmental investigation has been conducted which adequately identified and evaluated the nature and extent of the hazardous substance discharges on the Property and WDNR has approved of the remedial action plan for the Property;

*Whereas*, **Thomas J. Bliffert** has filed with the Register of Deeds of Milwaukee County a deed restriction (Attachment C) on the Property which declares that the Property is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

1. The gravel and asphalt surfaces that exist on the above described property on the date that this restriction was executed form a barrier that must be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. The gravel and asphalt surfaces shall be maintained on the above described property in the locations shown on the attached map labeled Exhibit B [of the Deed Restriction--Attachment C] unless another barrier, with an infiltration rate of  $10^{-7}$  cm/sec or less, is installed and maintained in its place. The existing surfaces and any replacement barrier with an infiltration rate of  $10^{-7}$  cm/sec or less, shall be maintained on the above-described property in compliance with the

Granville Cap Maintenance Plan dated April 28, 2004, that was submitted to the Wisconsin Department of Natural Resources by Thomas J. Bliffert and Granville Lumber & Fuel, Co., Inc.

2. The following activities are prohibited on any portion of the above-described property where such gravel and asphalt surfaces exist per Exhibit B [of the Deed Restriction--Attachment C], unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successors or assigns:
  - a) Excavating or grading of the land surface;
  - b) Filling on capped areas and areas with impervious surfaces
  - c) Plowing for agricultural cultivation; and
  - d) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.
3. In addition, if soil is excavated from such gravel and asphalt surfaced areas in the future, the property owner shall sample and analyze the excavated soil in order to determine whether contamination still remains. The property owner shall be required to properly store, treat, or dispose of any excavated materials, based upon the results of the analysis and shall take precautions during excavation activities to prevent any direct contact threat to humans. Excavation of contaminated soil may pose an inhalation or other direct contact hazard at time of excavation.

*Whereas*, on June 4, 2004, WDNR determined that response actions necessary to restore the environment to the extent practicable with respect to the discharges and minimize the harmful effects from the discharges to the air, land, and waters of the state were completed.

*Therefore*, based upon the information that has been submitted to the WDNR, the WDNR hereby certifies that the response actions set forth in the WDNR approved remedial action plan for the Property and any other necessary response actions have been completed.

Upon issuance of this Certificate, **Thomas J. Bliffert** and the persons qualified for protection under s. 292.15(3), Wis. Stats., are exempt from the provisions of ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to the existence of hazardous substances on or originating from the Property, the release of which occurred prior to the date the department approved the environmental investigation required under s. 292.15(2)(a)1., Wis. Stats. However, **Thomas J. Bliffert** and a person otherwise qualified for protection under s. 292.15(3), Wis. Stats., who owns or controls the Property would no longer qualify for this liability exemption if that person fails to maintain or monitor the Property as required by rules promulgated by the WDNR. Any releases of a hazardous substance to or from the Property that occur after the date that the environmental investigation was approved will be the

responsibility of the current Property owner and any other person who possesses or controls that discharge and any person who caused the discharge.

The protection from liability provided under s. 292.15(2), Wis. Stats., does not apply to any person who has obtained a Certificate of Completion by fraud or misrepresentation, or by the knowing failure to disclose material information or under circumstances in which **Thomas J. Bliffert** knew or should have known about more discharges of hazardous substances than was revealed by the investigation approved by the WDNR.

Nothing in this Certificate or in s. 292.15, Wis. Stats., affects the authority of the WDNR to exercise any powers or duties under applicable laws other than ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to any release or threatened release of contaminants at the Property, or the right of the WDNR to seek relief available against any person who is not entitled to protection from liability under s. 292.15, Wis. Stats., with respect to such release or threatened release.

SIGNED AND CERTIFIED this 9<sup>th</sup> day of July, 2004.



Scott Hassett, Secretary

Wisconsin Department of Natural Resources

ATTACHMENT A

LEGAL PROPERTY DESCRIPTION

Bliffert's Granville Lumber Company

See Exhibit A to Deed Restriction, which is attached as Attachment C

## ATTACHMENT B

### INVESTIGATION AND REMEDIAL ACTION PLAN REPORTS

#### Bliffert's Granville Lumber Company

- 1) "Site Assessment For Underground Storage Tank Removals, Bliffert's Granville Lumber & Home Center, 8747 N. 107<sup>th</sup> Street, Milwaukee, Wisconsin, Superior Project No. WA1188.00, Superior Environmental Group, September 15, 1998.
- 2) "Site Investigation and Proposed Remedial Action Voluntary Party Liability Exemption, Bliffert's Granville Lumber & Home Center, 8747 N. 107<sup>th</sup> Street, Milwaukee, Wisconsin", Proposal Number: BLC 01-1408-2174.100, Northern Environmental, September 11, 2000.
- 3) Letter Response from Kathleen Dahlgren, Lichtsinn & Haensel, S. C., dated December 15, 2000 pertaining to the site investigation and remedial action plan additional information requested by the Department.
- 4) Letter Response from Kathleen Dahlgren, Lichtsinn & Haensel, S. C., dated February 14, 2001 pertaining to the VPLE application relevant to drum disposal number, INA 13011205.
- 5) "Supplemental Site Investigation Documentation of Remedial Action, and Request for Closure, Petroleum Release Voluntary Party Liability Exemption, Bliffert's Granville Lumber & Home Center, 8747 N. 107<sup>th</sup> Street, Milwaukee, Wisconsin", Northern Environmental, July 30, 2001.
- 6) "Supplemental Site Investigation and Request for Closure, Petroleum Release Voluntary Party Liability Exemption, Bliffert's Granville Lumber & Home Center, 8747 N. 107<sup>th</sup> Street, Milwaukee, Wisconsin", Northern Environmental, September 25, 2002.

ATTACHMENT C

DEED RESTRICTION

Bliffert's Granville Lumber Company

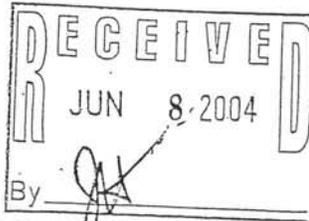
See Attached Amended Deed Restriction, Document #8799992, including all exhibits

Attachment C

AMENDED DEED RESTRICTIONS

Document Number

Document Title



FID: 241974480

Tbcts: 03-41-199544  
06-41-251302

DOC. #  
8799992

REGISTER'S OFFICE | SS  
Milwaukee County, WI

RECORDED AT 3:17 PM

06-07-2004

JOHN LA FAVE  
REGISTER OF DEEDS

AMOUNT 21.00

Recording Area

Name and Return Address  
 Janet M. Hoehnen  
 111 E. Wisconsin Ave. #1  
 Milwaukee, WI 53202

Parcel Identification Number (PIN)

This information must be completed by submitter: document title, name & return address, and PIN (if required). Other information such as the granting clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document. Note: Use of this cover page adds one page to your document and \$2.00 to the recording fee. Wisconsin Statutes, § 8.17 RPS 4 2/96

6

## AMENDED DEED RESTRICTIONS

THIS DECLARATION is made this 1st day of June, 2004, by Granville Lumber & Fuel, Co., Inc., a Wisconsin corporation, and Thomas J. Bliffert.

### I. RECITALS

WHEREAS, Granville Lumber & Fuel, Co., Inc. and Thomas J. Bliffert are the owners of certain real estate located in the City of Milwaukee, Milwaukee County, State of Wisconsin, described on Exhibit A attached hereto; and

WHEREAS, one or more discharges have occurred on this property and throughout 2001 soil samples were collected on this property, when the last soil sample was analyzed arsenic contaminated soil remained on this property at locations labeled S-84, S-85, B-8, B-9 and B-10 and benzo(a)pyrene, 2-methylnaphthalene, naphthalene and phenanthrene contaminated soil remained at location B-11 on the attached map labeled as Exhibit B. The most recent soil samples that were collected on this property contained arsenic in concentrations that exceeded the standards in NR 720.11, Table 2 Wis. Adm. Code; and

WHEREAS, it is the desire and intention of the property owners to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

### II. DECLARATION

NOW, THEREFORE, Granville Lumber & Fuel, Co., Inc. and Thomas J. Bliffert hereby declare that the real estate described on Exhibit A is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

1. The gravel and asphalt surfaces that exist on the above described property on the date that this restriction was executed form a barrier that must be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. The gravel and asphalt surfaces shall be maintained on the above described property in the locations shown on the attached map labeled as Exhibit B unless another barrier, with an infiltration rate of  $10^{-7}$  cm/sec or less, is installed and maintained in its place. The existing surfaces and any replacement barrier with an infiltration rate of  $10^{-7}$  cm/sec or less, shall be maintained on the above-described property in compliance with the Granville Cap Maintenance Plan dated April 28, 2004, that was submitted to the Wisconsin Department of Natural Resources by Thomas J. Bliffert and Granville Lumber & Fuel, Co. Inc.
2. The following activities are prohibited on any portion of the above-described property where such gravel and asphalt surfaces exist per Exhibit B, unless prior

written approval has been obtained from the Wisconsin Department of Natural Resources or its successors or assigns:

- a) excavating or grading of the land surface;
  - b) filling on capped areas and areas with impervious surfaces;
  - c) plowing for agricultural cultivation; and
  - d) construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.
3. In addition, if soil is excavated from such gravel and asphalt surfaced areas in the future, the property owner shall sample and analyze the excavated soil in order to determine whether contamination still remains. The property owner shall be required to properly store, treat, or dispose of any excavated materials, based upon the results of the analysis and shall take precautions during excavation activities to prevent any direct contact threat to humans. Excavation of contaminated soil may pose an inhalation or other direct contact hazard at time of excavation.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes the owner of the property described above may request that the Wisconsin Department of Natural Resources, or its successors or assigns, issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

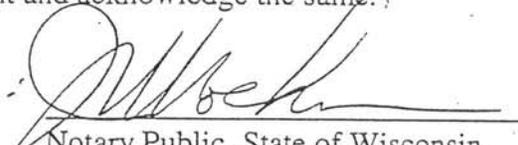
IN WITNESS WHEREOF, this Declaration of Restrictions is executed by Granville Lumber & Fuel, Co., Inc. by its duly authorized officer and sole shareholder, Thomas J. Bliffert who is also executing this document in his individual capacity, this 1st day of June, 2004.

GRANVILLE LUMBER & FUEL, CO. INC.

By: Thomas J. Bliffert  
Thomas J. Bliffert, President and  
Sole Shareholder

Thomas J. Bliffert  
Thomas J. Bliffert, individually

Personally came before me this 1st day of June, 2004, the above named Thomas J. Bliffert, individually and as President of Granville Lumber & Fuel, Co., Inc., known to me to be the person who executed the foregoing instrument and acknowledge the same.

  
Notary Public, State of Wisconsin  
My Commission: is permanent

This Document Was Drafted by:

Janet M. Hoehnen

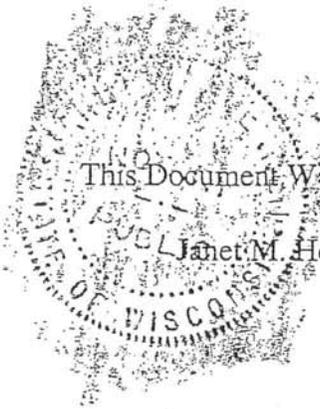


EXHIBIT A

PARCEL 1:

That part of the Northeast 1/4 of Section 7, Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Northeast corner of said 1/4 Section; thence due South along the East line of said 1/4 Section 115.00 feet to the point of beginning of the land to be described; thence continuing due South along the East line of said 1/4 Section 44.00 feet to a point; thence North 88° 32' 47" West 104.80 feet to a point; thence due North and parallel to the East line of said 1/4 Section 22.00 feet to a point; thence South 88° 32' 47" East 30.00 feet to a point; thence due North and parallel to the East line of said 1/4 Section 22.00 feet to a point; thence South 88° 32' 47" East 74.00 feet to the point of beginning. Excepting therefrom the East 24.75 feet taken for highway purposes.

ALSO;

That part of the Northeast 1/4 of Section 7, Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Northeast corner of said 1/4 Section; thence due South along the East line of said 1/4 Section 159.00 feet to the point of beginning of the land to be described; thence continuing due South along the East line of said 1/4 Section 56.00 feet to a point; thence North 88° 32' 47" West 142.00 feet to a point; thence due North and parallel to the East line of said 1/4 Section 78.00 feet to a point; thence South 88° 32' 47" East 37.20 feet to a point; thence due South 22.00 feet to a point; thence South 88° 32' 47" East 104.80 feet to the point of beginning. Excepting therefrom the East 24.75 feet taken for highway purposes.

PARCEL 2:

That part of the South 1/2 of the triangular piece of land lying Northeasterly of the Chicago, Milwaukee, St. Paul and Pacific Railway in the Northeast 1/4 of Section 7, in Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, is bounded and described as follows:

Beginning at a point in the East line of Northeast 1/4 of Section 7, 215 feet South of the Northeast corner of said 1/4 Section; thence North 88° 32' West on a line 142 feet to a point; thence North parallel to the East line of said 1/4 Section, 78 feet to a point; thence North 88° 32' West on a line 348.70 feet to a point 99.75 feet South of the North line of said 1/4 Section; thence Westerly on a line 136 feet to a point which is 91.75 feet South of the North line of said 1/4 Section; thence parallel to the East line of said 1/4 Section, 2.25 feet to a point in the Northeasterly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railway; thence South 70° 34' East along the Northeasterly right-of-way line of said Railway 664.20 feet to the East line of said 1/4 Section; thence North along the East line of said 1/4 Section, 131.52 feet to the point of beginning, except the East 24.75 feet which is reserved for highway, in the County and State aforesaid, except that part conveyed by Warranty Deed recorded March 21, 1980, on Reel 1285, Images 29 and 30, as Document No. 5388965.

PARCEL 3:

That part of the Northeast 1/4 of Section 7, in Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Northeast corner of said 1/4 Section; thence due South along the East line of said 1/4 Section 265.37 feet to the point of beginning of the land to be described; thence continuing due South along the East line of said 1/4 Section 81.76 feet to a point, said point being on the Northerly right of way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad; thence North 70° 33' 41" West along said right of way line 240.00 feet to a point; thence North 19° 26' 19" East 55.56 feet to a point; thence South 70° 33' 41" East 151.75 feet to a point; said point being the Northeast corner of a steel and masonry building; thence due East 64.73 feet to the point of beginning.

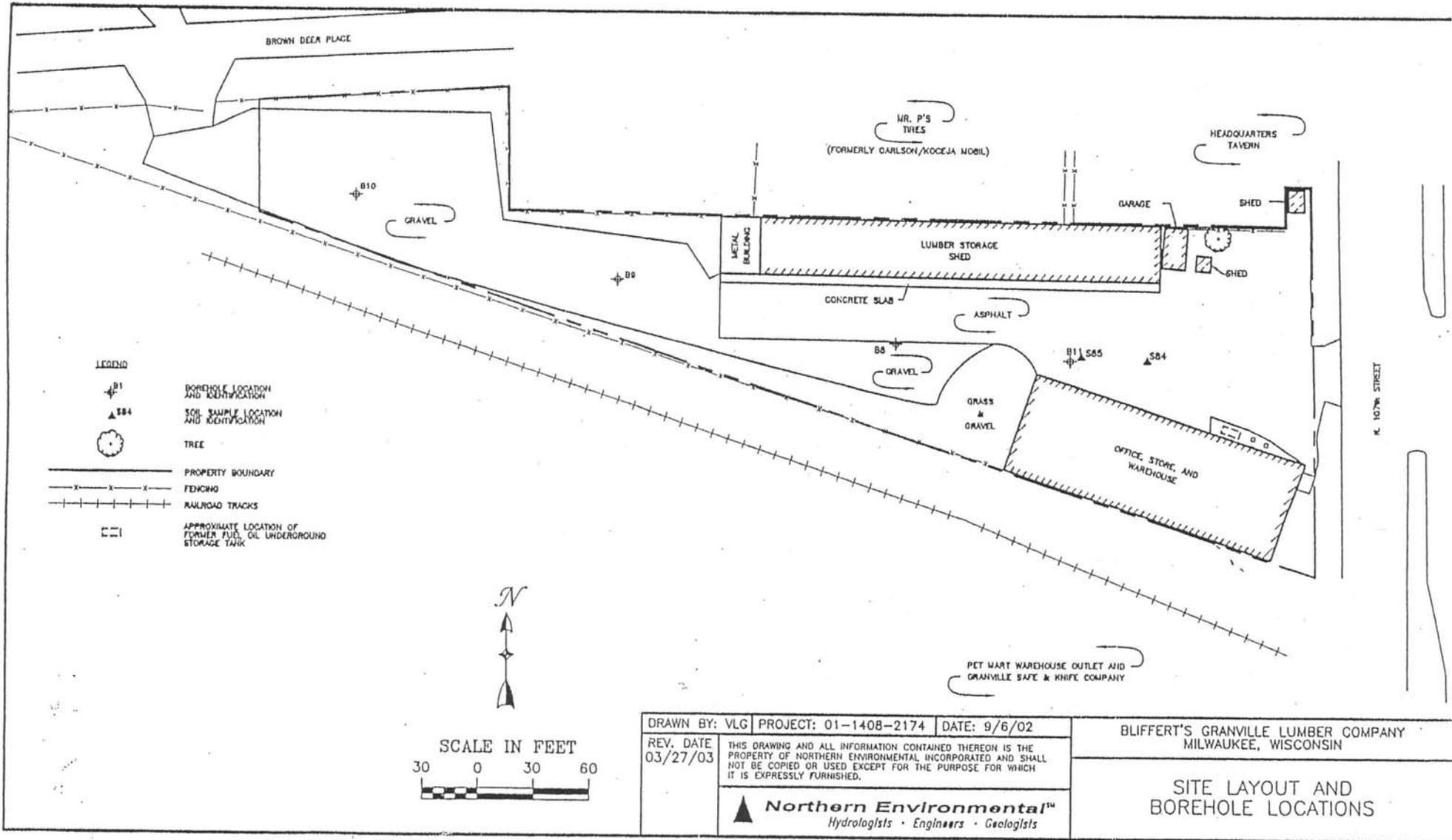
PARCEL 4:

That part of the Northeast 1/4 of Section 7, in Town 7 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at a point in the North line of said 1/4 Section 491 feet West of the Northeast corner of said 1/4 Section; thence South 99.75 feet to a point; thence Westerly 136 feet to a point; thence North 91.75 feet to the North line of said 1/4 Section; thence East along the North line of said 1/4 Section 136 feet to the place of beginning. Excepting from the above parcels those lands conveyed in Deeds recorded as Document Nos. 5932983 and 5932984.

Tax Key No. 039-9995-112-X

ADDRESS: 8747 N. 107th Street



K:\Mequon\Projects\BLC0174032703\_2.dwg, Legal, 03/27/2003 11:03:56 AM

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EXHIBIT B

CERTIFICATE NO. **269109**

STATE OF WISCONSIN  
MILWAUKEE COUNTY

OFFICE OF  
REGISTER OF DEEDS

I, the undersigned  
Register of Deeds of  
Milwaukee County,  
hereby certify that  
this document is a  
true and correct copy  
of the original on  
file or record in  
this office.

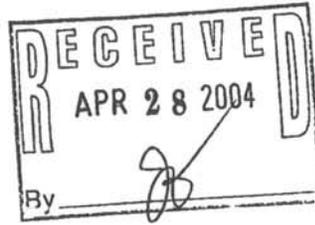
Witness my hand and  
official seal this **JUN - 7 2004**



*John La Fave*  
John La Fave

Granville Lumber and Fuel, Co. Inc.  
8747 North 107<sup>th</sup> Street  
Milwaukee, Wisconsin 53224

FID #241974480  
BRRS #06-41-199544  
PECFA CLAIM #53224-2295-47



**Required Information for GIS Registry**

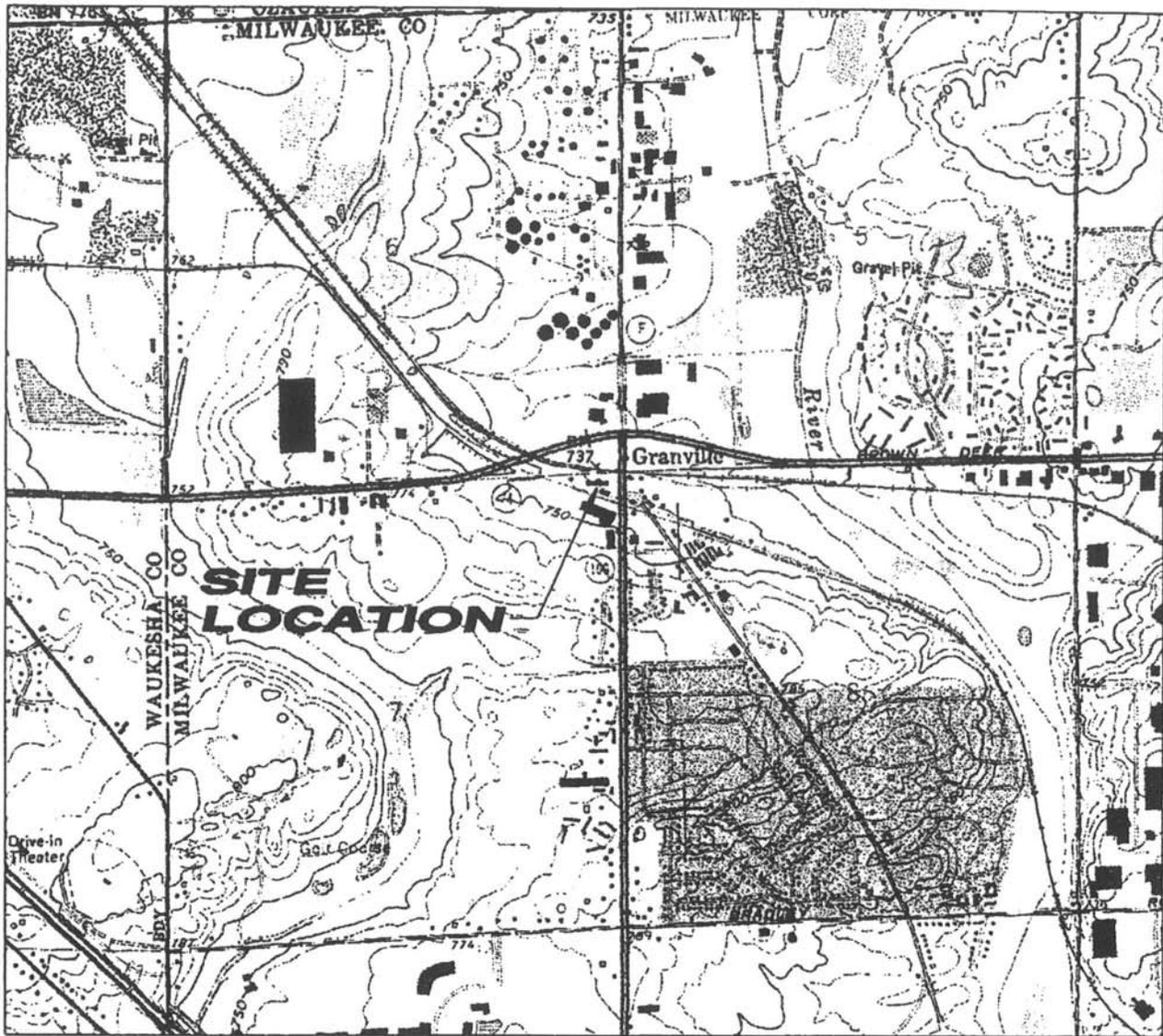
Parcel Identification: 039-9995-112-X  
Geographic Position: WTM91 Coordinates = 678892, 302325  
Legal Description: See attached title insurance policy

**Signed Statement by Responsible Party**

I, individually and as President of Granville Lumber and Fuel, Co. Inc. hereby certify that the legal descriptions included in the attached title insurance policy issued by Chicago Title are complete and accurate and describe the Granville Lumber and Fuel Co., Inc site located at 8747 North 107<sup>th</sup> Street, Milwaukee, WI.

Dated this 5<sup>th</sup> day of March, 2004.

Thomas J. Bliffert  
Thomas J. Bliffert, individually and as President of  
Granville Lumber and Fuel Co. Inc.



SCALE 1" = 2000'



CONTOUR INTERVAL 10 FEET  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION



BASE MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES,  
 Earthvisions U.S. Terrain Series, ©Earthvisions, Inc. 603-433-8500

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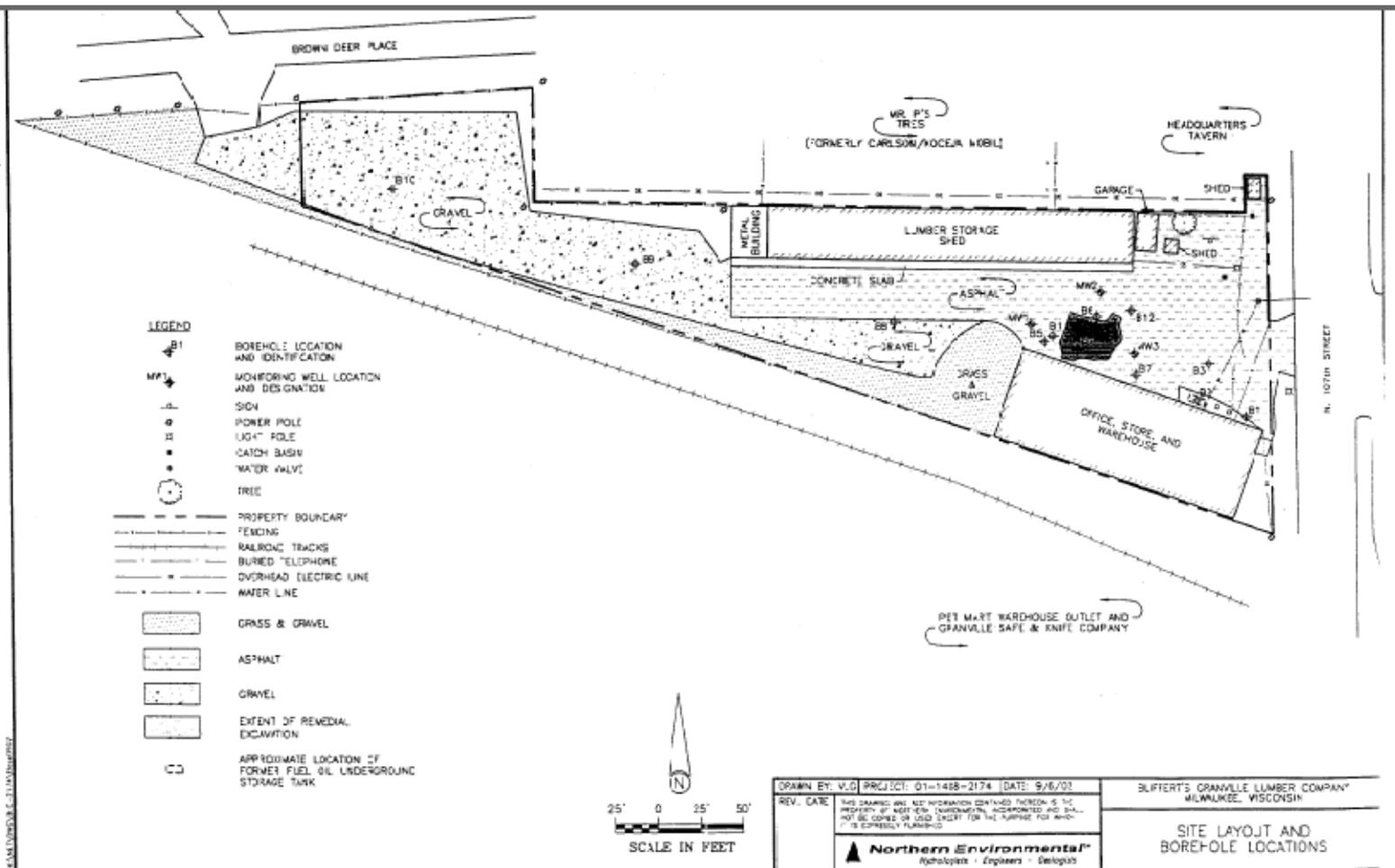
BLIFFERT'S GRANVILLE LUMBER COMPANY  
 MILWAUKEE, WISCONSIN

 **Northern Environmental** <sup>SM</sup>  
 Hydrologists • Engineers • Geologists

SITE LOCATION AND  
 LOCAL TOPOGRAPHY

K:\MET\DWG\BLC-2153\0127001-1.DWG

FIGURE 1



**LEGEND**

B1 BOREHOLE LOCATION AND IDENTIFICATION

MW1 MONITORING WELL LOCATION AND DESIGNATION

○ SIGN

○ POWER POLE

○ LIGHT POLE

● CATCH BASIN

● WATER VALVE

○ TREE

--- PROPERTY BOUNDARY

--- FENCING

--- RAILROAD TRACKS

--- BURIED TELEPHONE

--- OVERHEAD ELECTRIC LINE

--- WATER LINE

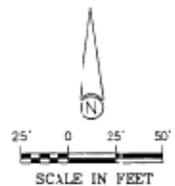
Grass & Gravel

Asphalt

Gravel

Extent of Remedial Excavation

○ ○ ○ APPROXIMATE LOCATION OF FORMER FUEL OIL UNDERGROUND STORAGE TANK



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 <b>Northern Environmental</b> Hydrologists • Engineers • Geologists		

BLUFFERT'S GRANVILLE LUMBER COMPANY MILWAUKEE, WISCONSIN
<b>SITE LAYOUT AND BORE-HOLE LOCATIONS</b>

FIGURE 2

45461.DWG (SCALE: 3/4"=1'-0")

8x11.dwg

LUMBER STORAGE SHED

EXTENT OF REMEDIAL EXCAVATION

FORMER GASOLINE UST

OVERHEAD DOOR

OFFICE, STORE, AND WAREHOUSE

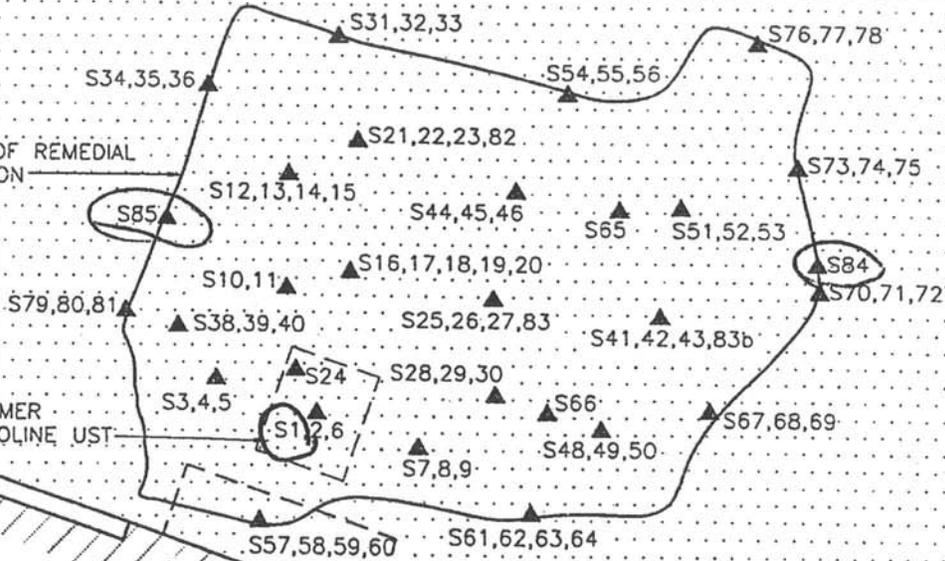
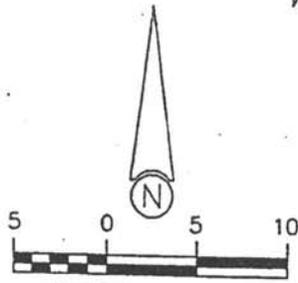
FORMER CONCRETE PAD FOR SHED

DOOR

OVERHEAD DOOR

LEGEND

-  GRASS & GRAVEL
-  GRAVEL



DRAWN BY: VLG PROJECT: 01-1408-2174 DATE: 1/30/01

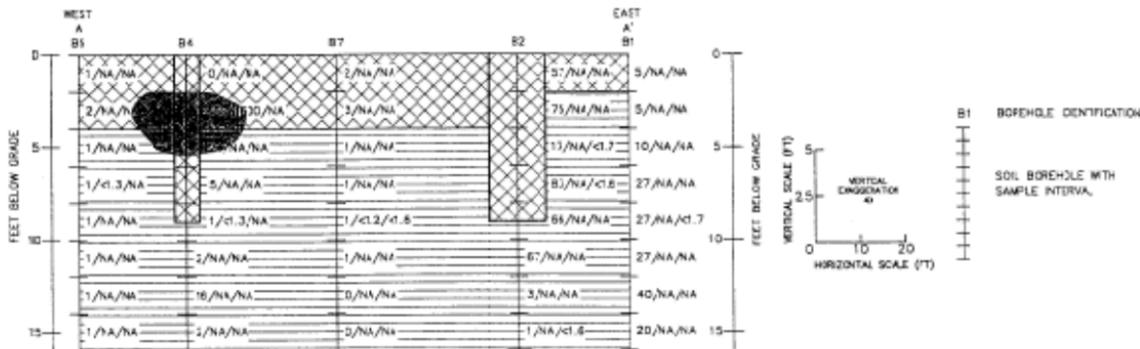
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BLIFFERT'S GRANSVILLE LUMBER COMPANY MILWAUKEE, WISCONSIN

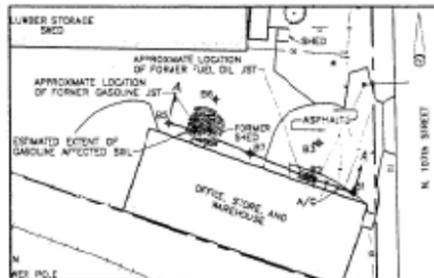
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REMEDIAL EXCAVATION AND SOIL SAMPLE LOCATIONS

FIGURE: 3



### CROSS SECTION REFERENCE MAP



DRAWN BY: VLG PROJECT: 01-1408-2174 DATE: 1/7/00

REV. DATE:

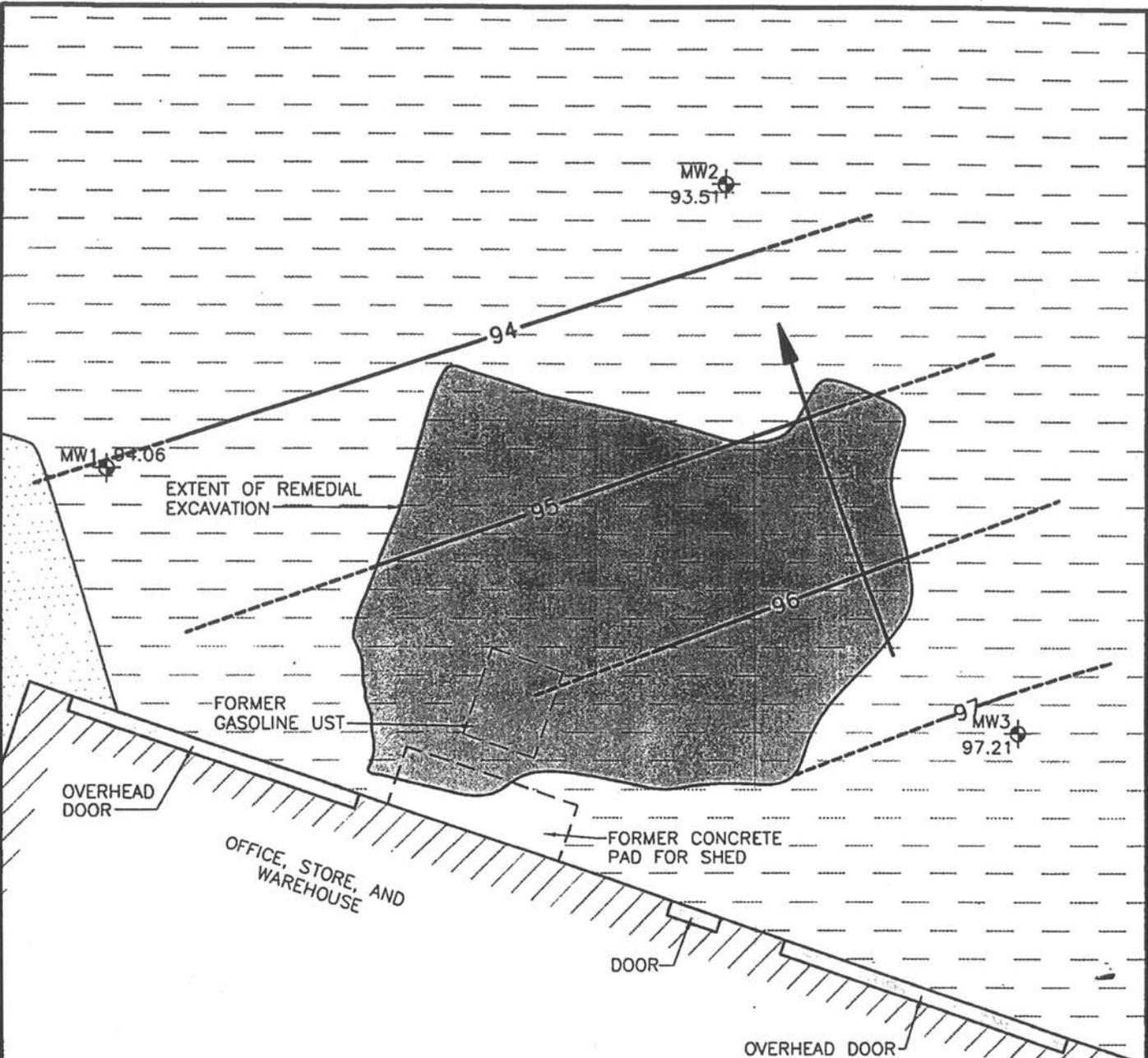
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BUFFERT'S GRANVILLE LUMBER COMPANY  
MILWAUKEE, WISCONSIN

CROSS SECTION A-A'

**Northern Environmental**  
Investigators - Engineers - Scientists

Bx11.dwg



**LEGEND**

MW1 94.06

MONITORING WELL LOCATION AND GROUNDWATER ELEVATION



GRASS & GRAVEL



ASPHALT



AREA OF EXCAVATED CONTAMINATED SOIL

94

GROUND-WATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)



GROUND-WATER FLOW DIRECTIONS



SCALE IN FEET

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BLIFFERT'S GRANVILLE LUMBER COMPANY  
MILWAUKEE, WISCONSIN



**Northern Environmental**<sup>™</sup>  
Hydrologists • Engineers • Geologists

GROUND-WATER  
ELEVATION CONTOURS  
AUGUST 1, 2002

PRINTED: 9/5/02

Table 1 Soil Sample Field Screening and Laboratory Analytical Results, Bliffert's Granville Lumber Company, 8747 North 107th Street, Milwaukee, Wisconsin

Borehole Number	Sample Number	Depth (feet)	Date Collected	PID Field Screening			Laboratory Analysis															Petroleum Odor	Sample Description		
				Time Collected	Time Analyzed	PID Response (inj)	GRO (mg/kg)	DRO (mg/kg)	Lead (mg/kg)	VOC Analytes (mg/kg)														Total Xylenes	
										Benzene	n-Butyl benzene	sec-Butyl-benzene	Ethyl-benzene	Diisopropyl ether	Isopropyl-benzene	p-isopropyl-toluene	MTBE	Naphthalene	n-Propyl-benzene	Toluene	1,2,4-Trimethyl-benzene				1,3,5-Trimethyl-benzene
B1	B1-1	0-2	06/19/00	0934	1015	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand & gravel fill	
	B1-2	2-4	06/19/00	0937	1015	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B1-3	4-6	06/19/00	0941	1015	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B1-4	6-8	06/19/00	0947	1016	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B1-5	8-10	06/19/00	0953	1016	27	-	<1.7	-	<0.025	-	<0.025	-	-	-	<0.025	0.043	-	<0.025	<0.025	<0.025	<0.5	None	Silty clay till	
	B1-6	10-12	06/19/00	0957	1017	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B1-7	12-14	06/19/00	1002	1022	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B1-8	14-16	06/19/00	1012	1026	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
B2	B2-1	0-2	06/19/00	1050	1140	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand & gravel fill	
	B2-2	2-4	06/19/00	1053	1140	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, silty clay fill	
	B2-3	4-6	06/19/00	1057	1141	17	-	<1.7	-	<0.025	-	<0.025	-	-	<0.025	0.039	-	<0.025	<0.025	<0.025	<0.5	Medium	Sand, gravel, silty clay fill		
	B2-4	6-8	06/19/00	1106	1141	83	-	<1.6	-	<0.025	-	<0.025	-	-	<0.025	1.9	-	<0.025	0.39	0.14	0.034	None	Sand, gravel, silty clay fill		
	B2-5	8-10	06/19/00	1115	1145	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B2-6	10-12	06/19/00	1120	1145	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B2-7	12-14	06/19/00	1145	1210	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B2-8	14-16	06/19/00	1147	1210	1	-	<1.6	-	<0.025	-	<0.025	-	-	<0.025	0.070	-	<0.025	<0.025	<0.025	<0.5	None	Silty clay till		
B3	B3-1	0-2	06/19/00	1210	1242	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silt fill	
	B3-2	2-4	06/19/00	1214	1242	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silt fill	
	B3-3	4-6	06/19/00	1218	1243	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silt fill	
	B3-4	6-8	06/19/00	1214	1243	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B3-5	8-10	06/19/00	1235	1255	0	-	<1.6	-	<0.025	-	<0.025	-	-	<0.025	0.13	-	<0.025	0.042	<0.025	<0.5	None	Silty clay till		
	B3-6	10-12	06/19/00	1238	1255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B3-7	12-14	06/19/00	1240	1255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B3-8	14-16	06/19/00	1255	1310		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
B4	B4-1	0-2	06/19/00	1320	1352	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silty clay fill	
	B4-2	2-4	06/19/00	1322	1352	469	1600	-	20.2	22	34	2.1	<0.025	4.4	4.1	2.9	<0.95	4.9	19	18	94	31	140	Medium	Silty clay fill
	B4-3	4-6	06/19/00	1332	1354	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay fill
	B4-4	6-8	06/19/00	1338	1354	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay fill
	B4-5	8-10	06/19/00	1345	1410	1	<1.3	-	6.4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.5	None	Silty clay till	
	B4-6	10-12	06/19/00	1350	1410	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till
	B4-7	12-14	06/19/00	1356	1411	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till
	B4-8	14-16	06/19/00	1403	1415	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till
B5	B5-1	0-2	06/19/00	1431	1515	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silt fill	
	B5-2	2-4	06/19/00	1437	1516	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand, gravel, and silt fill	
	B5-3	4-6	06/19/00	1447	1516	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B5-4	6-8	06/19/00	1455	1517	1	<1.3	-	0.075	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.5	None	Silty clay till	
	B5-5	8-10	06/19/00	1503	1526	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B5-6	10-12	06/19/00	1510	1526	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B5-7	12-14	06/19/00	1515	1540	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B5-8	14-16	06/19/00	1521	1540	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
B6	B6-1	0-2	06/19/00	1537	1622	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Gravel and coal fill	
	B6-2	2-4	06/19/00	1540	1622	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B6-3	4-6	06/19/00	1548	1623	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B6-4	6-8	06/19/00	1605	1623	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B6-5	8-10	06/19/00	1607	1654	1	<1.3	-	7.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.5	None	Silty clay till	
	B6-6	10-12	06/19/00	1615	1654	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B6-7	12-14	06/19/00	1617	1655	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B6-8	14-16	06/19/00	1625	1655	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	

Table 1 Soil Sample Field Screening and Laboratory Analytical Results, Bliffert's Granville Lumber Company, 8747 North 107th Street, Milwaukee, Wisconsin

Borehole Number	Sample Number	Depth (feet)	Date Collected	PID Field Screening			Laboratory Analysis																Petroleum Odor	Sample Description		
				Time Collected	Time Analyzed	PID Response (iui)	GRO (mg/kg)	DRO (mg/kg)	Lead (mg/kg)	VOC Analytes (mg/kg)											Total Xylenes					
										Benzene	n-Butyl benzene	sec-Butyl benzene	Ethyl benzene	Diisopropyl ether	Isopropyl benzene	p-isopropyl toluene	MTBE	Naphthalene	n-Propyl benzene	Toluene		1,2,4-Trimethyl benzene			1,3,5-Trimethyl benzene	
B7	B7-1	0 - 2	06/19/00	1630	1715	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Gravel and silty clay fill	
	B7-2	2 - 4	06/19/00	1637	1715	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay fill	
	B7-3	4 - 6	06/19/00	1640	1716	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B7-4	6 - 8	06/19/00	1647	1716	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B7-5	8 - 10	06/19/00	1654	1721	1	<1.2	<1.6	6.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.039	<0.025	<0.025	0.074	<0.025	0.13	None	Silty clay till	
	B7-6	10 - 12	06/19/00	1700	1722	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B7-7	12 - 14	06/19/00	1706	1723	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
	B7-8	14 - 16	06/19/00	1712	1724	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay till	
Chapter NR 720, Wisconsin Administrative Code Residual Contaminant Level							250	250	50	0.0055	CNR	CNR	2.9	CNR	CNR	CNR	CNR	CNR	CNR	1.5	CNR	CNR	4.1			
Chapter NR 746, Wisconsin Administrative Code Soil Screening Level							-	-	-	8.5	CNR	CNR	4.6	CNR	CNR	CNR	CNR	2.7	CNR	18	83	11	42			
Chapter NR 746, Wisconsin Administrative Code Protection of Human Health from Direct Contact							-	-	-	1.10	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR	CNR		

Note:

- PID = photoionization detector
- iui = instrument units as isobutylene
- GRO = gasoline range organics
- mg/kg = milligrams per kilogram
- DRO = diesel range organics
- VOCs = volatile organic compounds
- µg/kg = micrograms per kilogram
- MTBE = methyl-tertiary-butyl-ether
- = not laboratory analyzed
- <x = compound not detected to a detection limit of x
- CNR = currently not regulated

XXXX = exceeds Chapter NR 720, Wisconsin Administrative Code Residual Contaminant Levels

Table 2 Remedial Excavation Soil Sample Field Screening Results and Laboratory Analytical Results, Bliffert's Granville Lumber Company, Milwaukee, Wisconsin

Sample Number	Date Collected	Depth (feet)	Photoionization Detector Field Screening			Gasoline Range Organics (mg/kg)	Volatile Organic Compounds Analyzed (micrograms per kilogram)							Odor	Disposition	Sample Description
			Time Collected	Time Analyzed	PID Response (ui)		Benzene	Ethyl-benzene	Methyl-tertiary-butyl-ether	Toluene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes			
S1	12/18/00	2	931	951	113	420	610	7600	<180	1300	46,000	15,000	27,000	Medium petroleum	Excavated	Fill
S2	12/18/00	4	932	952	319	-	-	-	-	-	-	-	-	Medium petroleum	Excavated	Fill
S3	12/18/00	2	1144	1212	135	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S4	12/18/00	4	1145	1213	328	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Fill
S5	12/18/00	6	1145	1213	108	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S6	12/18/00	6	1210	1233	84	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S7	12/18/00	2	1210	1234	54	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S8	12/18/00	4	1211	1234	480	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Silty clay till
S9	12/18/00	6	1211	1234	280	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Silty clay till
S10	12/18/00	2	1246	1309	144	-	-	-	-	-	-	-	-	Medium petroleum	Excavated	Fill
S11	12/18/00	4	1246	1310	8	-	-	-	-	-	-	-	-	None	Excavated	Silty clay fill
S12	12/18/00	2	1237	140	488	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Fill
S13	12/18/00	4	1238	1300	98	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay fill
S14	12/18/00	6	1238	1300	20	-	-	-	-	-	-	-	-	None	Excavated	Silty clay fill
S15	12/18/00	8	1239	1301	12	-	-	-	-	-	-	-	-	None	Excavated	Silty clay fill
S16	12/18/00	2	1239	1301	95	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S17	12/18/00	4	1239	1302	225	-	-	-	-	-	-	-	-	Medium petroleum	Excavated	Silty clay till
S18	12/18/00	6	1350	1410	340	-	-	-	-	-	-	-	-	Medium petroleum	Excavated	Silty clay till
S19	12/18/00	8	1350	1410	60	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S20	12/18/00	9	1351	1411	10	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S21	12/18/00	3	1403	1428	540	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Fill
S22	12/18/00	4	1404	1428	470	-	-	-	-	-	-	-	-	Strong petroleum	Excavated	Silty clay till
S23	12/18/00	6	1405	1429	12	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S24	12/20/00	9	939	0959	40	4.0	<25	<25	<25	<25	270	30	<50	Low petroleum	Southwest floor	Silty clay till
S25	12/20/00	3	1055	1123	255	-	-	-	-	-	-	-	-	Medium petroleum	Excavated	Fill
S26	12/20/00	4	1055	1123	50	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S27	12/20/00	6	1055	1124	80	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S28	12/20/00	3	1055	1124	100	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S29	12/20/00	4	1055	1125	90	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S30	12/20/00	6	1055	1125	20	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S31	12/20/00	2	1055	1126	4	-	-	-	-	-	-	-	-	None	North wall	Fill
S32	12/20/00	4	1055	1126	2	<1.3	<25	<25	<25	<25	<25	<25	<50	None	North wall	Silty clay till
S33	12/20/00	6	1055	1127	0	-	-	-	-	-	-	-	-	None	North wall	Silty clay till
S34	12/20/00	3	1153	1223	3	-	-	-	-	-	-	-	-	None	West wall	Fill
S35	12/20/00	4	1153	1223	0	<1.3	<25	<25	<25	<25	<25	<25	<50	None	West wall	Silty clay till
S36	12/20/00	6	1153	1224	3	-	-	-	-	-	-	-	-	None	West wall	Silty clay till
S38	12/20/00	3	1204	1233	130	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S39	12/20/00	4	1204	1233	40	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S40	12/20/00	6	1204	1233	4	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S41	12/20/00	3	1300	1320	180	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Fill
S42	12/20/00	4	1300	1321	130	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S43	12/20/00	6	1301	1321	100	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S44	12/20/00	2	1310	1330	30	-	-	-	-	-	-	-	-	None	Excavated	Fill
S45	12/20/00	4	1310	1330	140	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S46	12/20/00	6	1311	1331	20	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S48	12/20/00	2	1436	1505	10	-	-	-	-	-	-	-	-	None	Excavated	Fill

**Table 2 Remedial Excavation Soil Sample Field Screening Results and Laboratory Analytical Results, Bliffert's Granville Lumber Company, Milwaukee, Wisconsin**

Sample Number	Date Collected	Depth (feet)	Photoionization Detector Field Screening			Gasoline Range Organics (mg/kg)	Volatile Organic Compounds Analyzed (micrograms per kilogram)							Odor	Disposition	Sample Description
			Time Collected	Time Analyzed	PID Response (iui)		Benzene	Ethylbenzene	Methyl-tertiary-butyl-ether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes			
S49	12/20/00	4	1436	1505	50	-	-	-	-	-	-	-	-	Low petroleum	Excavated	Silty clay till
S50	12/20/00	7	1436	1506	5	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S51	12/20/00	2	1448	1508	10	-	-	-	-	-	-	-	-	None	Excavated	Fill
S52	12/20/00	4	1448	1508	30	2.2	<25	<25	<25	<25	<25	<25	<50	None	Excavated	Silty clay till
S53	12/20/00	6	1448	1508	15	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S54	12/20/00	2	1505	1520	10	-	-	-	-	-	-	-	-	None	North wall	Fill
S55	12/20/00	4	1505	1520	10	5.9	<25	<25	<25	<25	<25	<25	<50	None	North wall	Silty clay till
S56	12/20/00	6	1505	1520	10	-	-	-	-	-	-	-	-	None	North wall	Silty clay till
S57	12/20/00	2	1525	1545	3	-	-	-	-	-	-	-	-	None	South wall	Fill
S58	12/20/00	4	1527	1545	5	6.5	<25	37	<25	<25	<25	47	<50	None	South wall	Fill
S59	12/20/00	6	1529	1547	3	-	-	-	-	-	-	-	-	None	South wall	Fill
S60	12/20/00	8	1531	1547	3	-	-	-	-	-	-	-	-	None	South wall	Fill
S61	12/20/00	3	1550	1610	2	-	-	-	-	-	-	-	-	None	South wall	Fill
S62	12/20/00	4	1535	1615	25	<1.3	<25	35	<25	<25	<25	<25	<50	None	South wall	Silty clay till
S63	12/20/00	6	1600	1620	33	-	-	-	-	-	-	-	-	None	South wall	Silty clay till
S64	12/20/00	8	1616	1638	2	-	-	-	-	-	-	-	-	None	South wall	Silty clay till
S65	12/20/00	8	1618	1639	5	<1.3	<25	<25	<25	<25	<25	<25	<50	None	Northeast floor	Silty clay till
S66	12/20/00	8	1620	1640	3	<1.3	<25	<25	<25	<25	<25	<25	<50	None	Southeast floor	Silty clay till
S67	12/20/00	3	830	850	7	-	-	-	-	-	-	-	-	None	East wall	Fill
S68	12/20/00	4	835	850	5	1.8	<25	<25	<25	<25	<25	<25	<50	None	East wall	Silty clay till
S69	12/20/00	6.5	843	900	4	-	-	-	-	-	-	-	-	None	East wall	Silty clay till
S70	12/20/00	3	852	920	3	-	-	-	-	-	-	-	-	None	East wall	Fill
S71	12/20/00	4	900	921	4	<1.5	<25	<25	<25	<25	<25	<25	<50	None	East wall	Silty clay till
S72	12/20/00	6.5	904	922	5	-	-	-	-	-	-	-	-	None	East wall	Silty clay till
S73	12/20/00	2.5	907	930	2	-	-	-	-	-	-	-	-	None	East wall	Fill
S74	12/20/00	4	910	930	2	<1.3	<25	<25	<25	<25	<25	<25	<50	None	East wall	Silty clay till
S75	12/20/00	6.5	920	940	3	-	-	-	-	-	-	-	-	None	East wall	Silty clay till
S76	12/20/00	2	930	950	4	-	-	-	-	-	-	-	-	None	North wall	Fill
S77	12/20/00	4	930	950	6	<1.3	<25	<25	<25	<25	31	<25	<50	None	North wall	Silty clay till
S78	12/20/00	6	930	951	5	-	-	-	-	-	-	-	-	None	North wall	Silty clay till
S79	12/20/00	2.5	935	952	10	-	-	-	-	-	-	-	-	None	West wall	Fill
S80	12/20/00	4	940	1000	6	1.4	<25	<25	<25	<25	46	<25	<50	None	West wall	Silty clay till
S81	12/20/00	6	942	1005	5	-	-	-	-	-	-	-	-	None	West wall	Silty clay till
S82	12/20/00	8	945	1006	4	<1.4	<25	<25	<25	<25	<25	<25	<50	None	Northwest floor	Silty clay till
S83	12/20/00	8	1000	1025	10	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
S83b	12/20/00	8	1004	1024	8	-	-	-	-	-	-	-	-	None	Excavated	Silty clay till
NR 720, Wis. Adm. Code Generic Residual Contaminant Levels						250	5.5	2900	NR	1500	NR	NR	4100			

Note:  
iui = instrument units as isobutylene      XXX = exceeds the Chapter NR 720, Wisconsin Administrative (NR 720, Wis. Adm. Code) Generic Residual Contaminant Levels  
- = not analyzed  
<x = less than the detected limit  
NR = not regulated

Table 2 Soil Sample Field Screening and Laboratory Analytical Results, Bliffert's Granville Lumber Company, 8747 North 107th Street, Milwaukee, Wisconsin

Borehole Number	Sample Number	Depth (feet)	Date Collected	PID Field Screening			Laboratory Analysis																	Petroleum Odor	Sample Description			
				Time Collected	Time Analyzed	PID Response (iui)	Arsenic (mg/kg)	Detected Polyaromatic Hydrocarbon Analytes (milligrams per kilogram [mg/kg])													Detected VOCs (micrograms per kilogram)							
								2-Methyl-naphthalene	Acenaphthene	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-fluoranthene	Chrysene	Dibenzo(a,h)-anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Pyrene	Ethylbenzene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene			Total Xylenes		
MW1	MW1-1	1-2.5	04/09/02	838	858	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand and gravel, fill	
	MW1-2	2.5-4.5	04/09/02	840	900	0	0.70	<0.017	3.1	0.84	1.1	0.86	0.84	0.49	<0.0044	0.88	2.7	0.92	<0.017	2.4	-	-	-	-	-	None	Sand and gravel, fill	
	MW1-3	5-7	04/09/02	844	905	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till	
	MW1-4	7.5-9.5	04/09/02	849	910	0	1.6	<0.017	<0.020	0.0059	0.0083	0.0079	<0.0015	0.0933	0.0075	<0.0047	<0.00090	0.0076	<0.017	0.016	-	-	-	-	-	-	None	Silty clay, till
	MW1-5	10-12	04/09/02	855	915	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
	MW1-6	12.5-14.5	04/09/02	905	925	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
MW2	MW2-1	1-2.5	04/09/02	1002	1025	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand and gravel, fill	
	MW2-2	2.5-4.5	04/09/02	1004	1025	0	3.7	<0.019	0.16	0.034	0.046	0.034	0.049	0.025	<0.0049	0.013	0.11	0.043	<0.019	0.19	-	-	-	-	-	-	None	Silty clay, till
	MW2-3	5-7	04/09/02	1007	1026	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
	MW2-4	7.5-9.5	04/09/02	1010	1030	0	1.0	<0.018	<0.0031	<0.00066	0.0034	0.0036	<0.0015	0.0024	<0.0045	<0.0047	<0.00091	<0.0017	<0.018	<0.0033	-	-	-	-	-	-	None	Silty clay, till
	MW2-5	10-12	04/09/02	1014	103	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
	MW2-6	12.5-14.5	04/09/02	1018	1040	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
	MW2-7	15-17	04/09/02	1022	1040	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till
MW3	MW3-1	1-2.5	04/09/02	1108	1130	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Sand and gravel, fill	
	MW3-2	2.5-4.5	04/09/02	1114	1135	12	1.9	0.044	<0.0032	0.012	0.013	0.0091	0.018	0.0997	<0.0047	0.022	0.031	0.013	0.030	0.067	61	61	99	173	-	None	Silty clay, till	
	MW3-3	5-7	04/09/02	1116	1135	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till	
	MW3-4	7.5-9.5	04/09/02	1122	1150	0	1.8	<0.018	<0.020	<0.00066	<0.0025	0.0024	<0.0015	<0.0085	<0.0045	<0.0047	<0.00091	<0.0016	<0.018	<0.0033	-	-	-	-	-	None	Silty clay, till	
	MW3-5	10-12	04/09/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Silty clay, till	
Chapter NR 720, Wisconsin Administrative Code Residual Contaminant Level							NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	2900	NE	NE	4100					
Chapter NR 746, Wisconsin Administrative Code Table 1 Values							NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	2.7	NE	4600	83,000	11,000	42,600			
S NR 720.11, Wis. Adm. Code RCL Based on Human Health Risk from Direct Contact Related to Industrial Land Use							1.6	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE			
Suggested Generic RCLs for PAH compounds in Soil - Industrial Direct-Contact Pathway							-	40,000	60,000	3.9	0.39	3.9	3.9	3.9	3.9	3.9	0.39	40,000	3.9	110	30,000	-	-	-	-			
Suggested Generic RCLs for PAH compounds in Soil - Ground-Water Pathway							-	20	38	17	48	870	800	870	337	38	500	680	0.4	8700	-	-	-	-				

Note

- PID = photoionization detector
- iui = instrument units as isobutylene
- VOCs = volatile organic compounds
- = not laboratory analyzed
- <x = compound not detected to a detection limit of x
- NE = standard not established

XXX = exceeds the Section NR 720.11, Wisconsin Administrative Code (s. NR 720.11, Wis. Adm. Code) residual contaminant levels (RCLs) based on human health risk from direct-contact related to industrial land use

XXX = exceeds the suggested generic RCL for PAH compounds in soil - industrial direct-contact pathway

Table 3 Supplemental Site Investigation Soil Sample Laboratory Analytical Results, Bliffert's Granville Lumber Company, Milwaukee, Wisconsin

Sample Number	Date Collected	Depth (feet)	DRO (mg/kg)	Metals (mg/kg)				PAH Analytes (mg/kg)							
				Arsenic	Cadmium	Chromium	Lead	2-Methyl-naphthalene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Fluoranthene	Naphthalene	Phenanthrene	Pyrene
S84	12/27/2000	1.75	-	12.2	<0.053	22.5	19.7	-	-	-	-	-	-	-	-
S85	12/27/2000	1.75	-	1.8	<0.046	13.8	36.1	-	-	-	-	-	-	-	-
B8	04/04/01	1.75	<1.7	2.5	0.74	14.9	390	-	-	-	-	-	-	-	-
B9	04/04/01	1	<1.7	4.5	0.51	16.5	41.8	-	-	-	-	-	-	-	-
B10	04/04/01	1.2	<2.1	5.8	1.1	16.6	130	-	-	-	-	-	-	-	-
B11	04/04/01	2.2	-	-	-	-	-	40	0.57	0.58	0.45	5.3	28	3.7	6.5
NR 720, Wis. Adm. Code RCLs Based on Human Health Risk From Direct Contact Related to Industrial Land Use			-	1.6	510	200	500	NE	NE	NE	NE	NE	NE	NE	NE
Suggested Generic RCLs for PAHs in Soil, Ground Water Pathway			NE	NE	NE	NE	NE	20	48	360	870	500	0.4	1.3	8700
Suggested Generic RCLs for PAHs in Soil, Direct-Contact Pathway, Industrial			NE	NE	NE	NE	NE	40,000	0.39	3.9	39	40,000	110	390	30,000

Note:

DRO = diesel range organics  
 mg/kg = milligrams per kilogram  
 PAH = polynuclear aromatic hydrocarbons  
 - = not laboratory analyzed  
 NE = RCL not established by WDNR  
 <x = compound not detected to detection limit of x

XXX = exceeds RCLs based on human health risk from direct contact related to industrial land use

XXX = exceeds suggested residual contaminant levels (RCLs) for PAH compounds in soil, ground-water pathway

XXX = exceeds suggested RCLs for PAH compounds in soil, direct-contact pathway, industrial

**Table 3 Supplemental Site Investigation Ground-Water Laboratory Analytical Results, Bliffert's Granville Lumber Company, Milwaukee, Wisconsin**

Sample Number	Date Collected	Metals Arsenic (µg/l)	Detected Polyaromatic Hydrocarbon Analytes (micrograms per liter [µg/l])									
			2-Methyl-naphthalene	Benzo(a)-anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene
MW1	04/19/02	<0.99	<0.20	0.17	0.28	0.19	0.20	0.12	<0.043	0.59	0.19	0.49
	08/01/02	<1.3	<0.096	<0.03	<0.022	<0.036	<0.087	<0.067	<0.036	<0.053	<0.03	<0.13
	08/01/02*	<1.3	<0.096	<0.03	<0.022	<0.036	<0.087	<0.067	<0.036	<0.053	<0.03	<0.13
MW2	04/19/02	<0.99	6.5	4.7	8.6	6.8	7.0	4.0	5.0	15	7.1	13
	04/19/02*	<0.99	2.4	1.7	3.2	2.7	2.8	1.5	2.0	5.5	2.7	4.6
	08/01/02	1.4"J"	<0.096	<0.03	<0.022	<0.036	<0.087	<0.067	<0.036	<0.053	<0.03	<0.13
MW3	04/19/02	<0.99	<0.20	0.016	0.058	0.014	<0.017	0.011	<0.044	0.067	<0.017	0.051
	08/01/02	1.3"J"	<0.096	<0.03	<0.022	<0.036	<0.087	<0.067	<0.036	<0.053	<0.03	<0.13
NR 140, Wis. Adm. Code ES		50	NE	NE	0.2	0.2	NE	NE	NE	400	NE	250
NR 140, Wis. Adm. Code PAL		5	NE	NE	0.02	0.02	NE	NE	NE	80	NE	50

Note:

\* = duplicate sample

"J" = analyte detected between limit of detection and limit of quantification

NE = ES or PAL not established by the WDNR

<x = compound not detected to a detection limit of x

XXX = exceeds Chapter NR 140, Wisconsin Administrative Code (NR 140, Wis. Adm. Code) preventive action limit (PAL)

XXX = exceeds NR 140, Wis. Adm. Code enforcement standard (ES)