REVISED
9:52 am, Aug 13, 2008

GIS REGISTRY INFORMATION

SITE NAME:	Kant Lumber		
BRRTS #:	03-14-000264	**FID # (if appropriate):**	
COMMERCE # (if appropriate):			
CLOSURE DATE:	07/15/2004		
STREET ADDRESS:	434 E Oak Grove St.		
CITY:	Juneau, Dodge County		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 625383 Y= 326625

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [x]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1: Dodge County/United Coop 112 South Depot Street

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [ ] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [ ] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	x
Copy of most recent deed, including legal description, for all affected properties	
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	x
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	x
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	x
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	x
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.	
GW: Table of water level elevations, with sampling dates, and free product noted if present	
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	
Geologic cross-sections, *if required for SI*. (8.5x14' if paper copy)	
RP certified statement that legal descriptions are complete and accurate	
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	x
Copy of any maintenance plan referenced in the deed restriction.	

revised 7/2/03

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: November 26, 2003 FILE REF: 03-14-000264

TO: SCR Case Closure Committee
Pat McCutcheon
Steve Ales
Tom Stunkard

FROM: Jim Kralick

SUBJECT: Kant Lumber Site, 434 East Oak Grove Street, Juneau, Dodge County

Background

The site contained a grain elevator prior to 1957. Between 1957 and 1988 the property was a lumberyard that utilized several ASTs and at least one UST to store bulk fuel oil, waste oil, and gasoline. Minor to moderate soil contamination was found in association with the fuel oil and waste oil AST areas, while no soil contamination was found associated with the former gasoline UST. Low levels of groundwater contamination have been documented on the northern half of the property, but this groundwater contamination has been attributed to either of two former LUST sites located directly up gradient of the Kant Lumber property (Joe's Service and Dodge County United Co-op). Both of these up gradient sites have been closed by the DNR. Approximately 746 tons of contaminated soil was excavated from Kant Lumber and disposed of in 1994. The Kant Lumber property has been denied case closure twice before in 1995 and 1996. In both closure denial decisions it was determined that sufficient excavation work had been completed to address the reported soil contamination, but that additional groundwater monitoring was needed to prove that the groundwater contaminant plume present beneath the northern half of the property was indeed migrating on to the Kant Lumber Property from an off-site, up gradient source.

Soil

Soils and sediments at the site consist of 14 to 16 feet of silty clay (glacial till), overlying dolomite bedrock.

The initial soil investigations done on the property were not particularly effective in defining the extent of soil contamination because most soil samples analyzed came from either the upper 4 feet below grade, or from below the water table (at 11 to 13 feet bg). In this context, there were no major detections of soil contamination reported during the investigation, but there were minor detections in the former AST areas near ground surface.

In 1994, two remedial excavations were conducted that removed approx. 746 tons of contaminated soil from the former source areas: 706 tons from the former fuel oil AST area and 40 tons from the former waste oil AST area. The fuel oil AST area was excavated to a maximum depth of 13 feet bg with 15 soil confirmation samples collected and the waste oil AST area was excavated to a maximum depth of 4.5 feet bg with seven soil confirmation samples collected. Soil confirmation sample results indicate minimal to low-level soil contamination was left in place.

Groundwater

Groundwater is present beneath the site at approx. 11 to 13 feet bg, likely somewhat perched on top of the soil/bedrock interface. The reported groundwater flow direction is to the south/southwest/west. The highest levels of groundwater contamination reported on the Kant Lumber property were present in wells

Printed on Recycled

MW-27 and MW-28, installed to define the extent of groundwater contamination associated with the former United Co-op site located directly up gradient. Well FVD-2/MW-2 is located directly down gradient of the former waste oil AST area and well FVD-5/MW-5 is located down gradient of the former fuel oil AST area. These two wells have historically exhibited minimal to moderate groundwater contamination.

Recommendation

I recommend that this case be closed at this time. Site investigation of soils and groundwater at the Kant lumber property has revealed only minor to moderate impacts of these media in the past. The enforcement standard groundwater exceedences that remain on the Kant Lumber property will be addressed by a groundwater GIS registry packet that was submitted for the site as part of the closure for the former United Co-op property.

12/3/03

12/03/2003

12/3/03

RECEIVED
JUL - 8 2004
DNR
SOUTH CENTRAL REGION

SENSIENT

July 6, 2004

Sensient Technologies Corporation
777 East Wisconsin Avenue
Milwaukee, WI 53202-5304
tel 414 271-6755
sensient-tech.com

Ms. Denise Nettesheim
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397

RE: Former Kant Lumber Property
434 E. Oak Grove Street
Sensient Flavors Inc. – Deed Restriction
WDNR BRRTS #03-14-000264

Dear Ms. Nettesheim:

Attached please find a copy of the stamped Deed Notice from the Dodge County Register of Deeds. I believe this fulfills Sensient Flavors' requirements as outlined in your memorandum dated June 15, 2004. If there is any additional information needed to obtain the final closure letter, please contact me at 414-347-3957.

Sincerely,

Sara E.N. Humphrey, PE, CHMM
Corporate EHS Engineer
Sensient Flavors Inc.
Sensient Technologies Corp.

1025219
Document Number
Office of Register of Deeds
Dodge County, Wisconsin
RECEIVED FOR RECORD
Jun 25, 2004
at 9:19 o'clock a M.
Chris Planasch
CHRIS PLANASCH - Registrar

Document Number	DEED NOTICE

In Re: **Lots One (1) and Three (3) of Certified Survey Map No. 1973 as recorded in Volume 12 of Surveys on pages 342, 343 and 344 in the office of the Register of Deeds, Dodge County, Wisconsin, being located in a part of the Southwest One-quarter (1/4) of Section Twenty-two (22), Township Eleven (11) North, Range Fifteen (15) East, City of Juneau, Dodge County, Wisconsin.**

Recording Area

Name and Return Address
Christopher L. Lawlor
Sensient Technologies Corp.
777 E. Wisconsin Ave.
Suite #1100
Milwaukee, WI 53132

STATE OF WISCONSIN)
) ss
COUNTY OF MILWAUKEE)

Christopher L. Lawlor, being first duly sworn, on oath deposes and says:

1. That he is an officer in the corporation (Sensient Flavors Inc.) that owns the above-described property and has been authorized by the owner to sign and record this notice.

241-0550-00700 & 241-0550-00900
Parcel Identification Number

2. That approval has been given by the Wisconsin Department of Natural Resources for the close-out of an environmental contamination case involving the above-described property on the condition that a notification of the existence of a lost groundwater monitoring well on the property is recorded at the Office of the Register of Deeds in the county of Dodge. (see attached Exhibit A).

3. That this affidavit is being recorded for the purpose of notifying prospective purchasers and other interested parties that at such time that the lost groundwater monitoring well is found, the property owner is required to properly abandon the well in compliance with the requirements in ch. NR 141 Wis. Adm. Code.

Signature: [signature]

Printed Name: CHRISTOPHER C. LAWLOR

Title: VICE PRESIDENT - HUMAN RESOURCES

Subscribed and sworn to before me

this 21st day of June, 2004

Donna Branger

Notary Public, State of Wisconsin

My commission July 16, 2006

DONNA BRANGER NOTARY PUBLIC STATE OF WISCONSIN

This document was drafted by Christoper L. Lawlor, with assistance from the Wisconsin Department of Natural Resources.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

April 20, 2004

Sara Humphrey
Sensient Technologies Corporation
777 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 53202

Subject: Conditional Case Closure – Deed Notice Required for Well Abandonment
Former Kant Lumber Property, 434 E. Oak Grove Street, Juneau, WI
WDNR BRRTS # 03-14-000264

Dear Ms. Humphrey:

On December 11, 2003, your site was granted conditional closure by the Department of Natural Resources South Central Region Closure Committee. One of the conditions of closure was to properly abandon all monitoring wells associated with the cleanup activities at the subject site.

On March 26, 2004, your consultant, Environ, notified the Department that monitoring well MW-4 could not be located, and therefore could not be properly abandoned. As a result, the Department requires that you record a deed notice on the property deed that will address the requirement that if in the future the monitoring well ever becomes accessible, it must be properly abandoned in compliance with the requirements in ch. NR 141, Wis. Adm. Code.

As required in ch. NR 141, Wis. Adm. Code, the exact location of monitoring wells must be referenced to the nearest benchmark for the national geodetic survey datum in order to prevent monitoring wells from getting "lost." You may be liable for any future problems associated with the existing monitoring well MW-4 if it creates a conduit for contaminants to enter groundwater.

You will need to submit a draft deed notice to me before the document is signed and recorded. You may find a model deed notice enclosed for your use or visit our web site at www.dnr.wi.gov/org/aw/rr. To assist us in our review of the deed notice, you should submit a copy of the property deed to me along with the draft document. After the Department has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Dodge County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Your site will not receive final closure until the information discussed above is submitted.

If you have any questions regarding this letter, please contact me at (608) 275-3209.

Sincerely,

Denise Nettesheim
Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosure

cc: Gina Szablewski, Environ, 1414 Underwood Avenue, Suite 400, Wauwatosa, WI 53213
Case File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

July 15, 2004

Sara Humphrey
Sensient Technologies Corporation
777 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 53202

Subject: Final Case Closure
Former Kant Lumber Property, 434 E. Oak Grove Street, Juneau, WI
WDNR BRRTS # 03-14-000264

Dear Ms. Humphrey:

On December 3, 2003, your site as described above was reviewed for closure by the South Central Region Closure Committee. The committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On December 11, 2003, you were notified that the Closure Committee had granted conditional closure to this case.

On March 26, 2004 and July 8, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. The conditions of closure were proper abandonment of monitoring wells, recording of a deed restriction for monitoring well MW-4 that could not be located and therefore not abandoned, and proper disposal of wastes. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Because there is groundwater contamination on your property that is coming from the nearby Dodge County/United Coop property, your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites as a condition of closure for the Dodge County/United Coop site located at 112 South Depot Street. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

BRRTS# 02-14-001600

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 your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (608) 275-3209.

Sincerely,

Denise Nettesheim
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Gina Szablewski, Environ, 1414 Underwood Avenue, Suite 400, Wauwatosa, WI 53213
Case File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

June 15, 2004

Sara Humphrey
Sensient Technologies Corporation
777 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 53202

Subject: Deed Notice - Former Kant Lumber Property, 434 E. Oak Grove Street, Juneau, WI
WDNR BRRTS # 03-14-000264

Dear Ms. Humphrey:

Enclosed please find the approved revised deed notice for the subject property. The revisions are underlined and bolded in red for your convenience. Please incorporate these changes into the document. The next steps in the process are as follows.

1. Attach a site map of the property showing the approximate location of monitoring well MW-4 to the deed notice. The site map should be labeled as Exhibit A.
2. Mr. Lawlor, an officer in the corporation that owns the property, should sign the form in the presence of a notary public.
3. File the deed notice with the Dodge County Register of Deeds. When the document is presented at the Register of Deeds Office it will be date and time stamped as proof of recording. It may take the Register of Deeds several days to process the form, and then they will mail it back to the name and address shown in the "Return to " box on the form.
4. Please make a copy of the stamped document and mail it back to the Department (to my attention) as proof the notice has been filed.

I will issue a final close out letter when I receive proof that the notice has been filed with the Dodge County Register of Deeds, and that all other conditions of closure have been met.

If you have any questions, please call me at (608) 275-3209. Thank you for your cooperation.

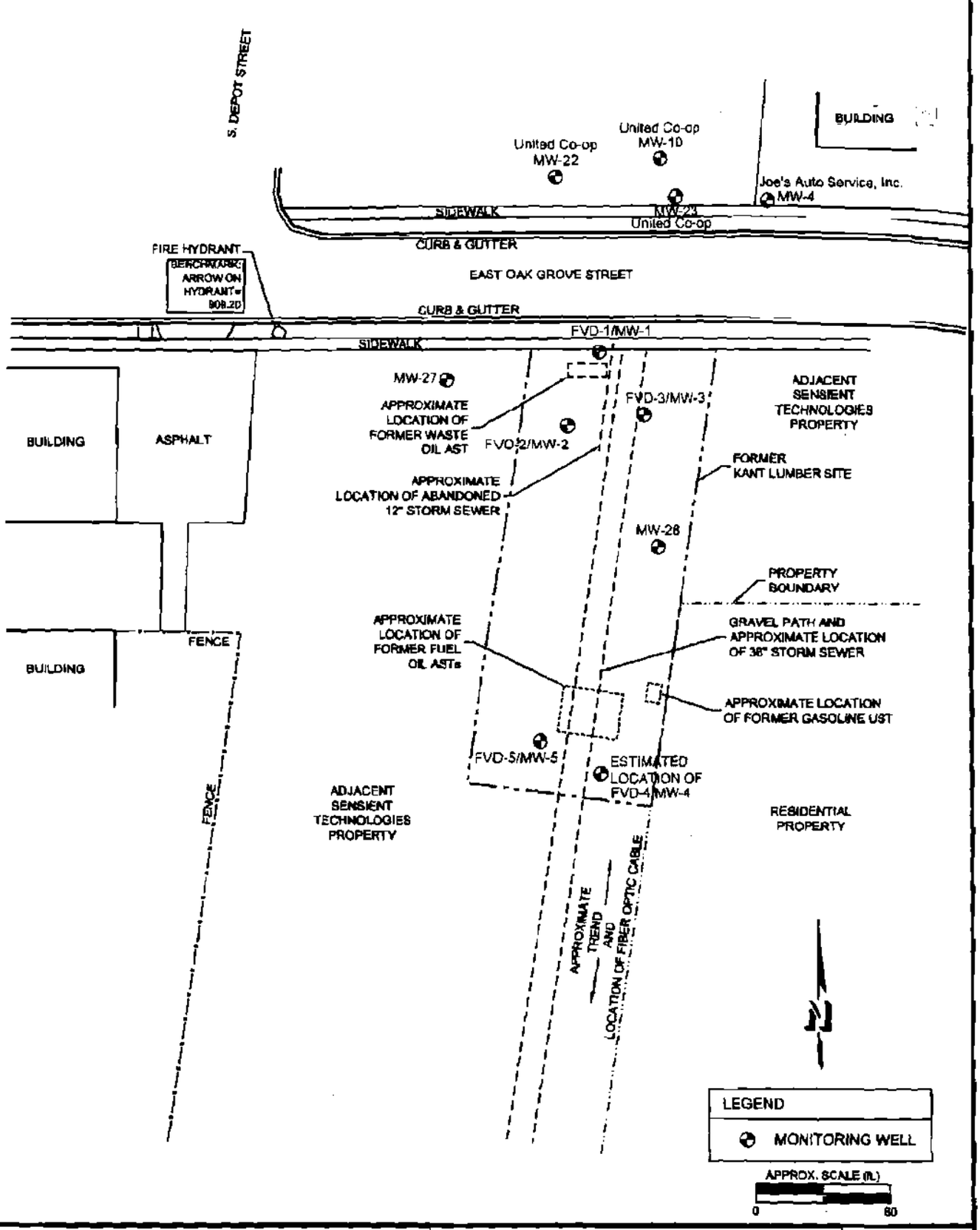
Sincerely,

Denise Nettesheim
Hydrogeologist
Remediation & Redevelopment Program

Enclosure: Deed Notice

Cc: Case File

APPENDIX A: SITE MAP



ENVIRON	Site Layout Former Kant Lumber Site Juneau, Wisconsin	Figure 2

Drafter: APR Date: 10/27/03 Contract Number: 21-11217A Approved: Revised:

ENVIRON

March 22, 2004

RECEIVED
MAR 26
Janesville Service Center

James Kralick
Janesville Service Center
Wisconsin Department of Natural Resources
2514 Morse Street
Janesville, WI 53545

Re: Case Closure Requirements and Monitoring Well Abandonment
Former Kant Lumber Site
434 E. Oak Grove Street, Juneau, Wisconsin
BRRTS# 03-14-000264

Dear Mr. Kralick:

Attached please find the monitoring well abandonment forms for six of the seven wells formerly located at the site referenced above. The monitoring wells were abandoned on March 22, 2004, by Midwest Engineering Services, Inc. of Waukesha, Wisconsin, under my supervision. We were unable to find monitoring well MW-4 after probing for the cover for approximately 45 minutes with shovels and picks. Previous attempts to find this well by others also have failed. Given the location of both a buried fiber optic cable and a 48-inch storm sewer in the area of MW-4's likely location, further excavation to find the well will be difficult and risky.

Please note that all waste and/or soil piles located on-site that are associated with the previous investigation and remediation activities have been removed.

Should you have any questions regarding the well abandonment work, please call me or Jim Kane at (414) 456-1210.

Sincerely,

ENVIRON International Corporation

Gina S. Szablewski, P.G.
Associate

GSS:gss
M:\Client Project Files\Sensient\Sensient - Kant Lumber (21-11217A)\Kant Lumber\Documents for closure request\well abandonment cover.doc

Attachments

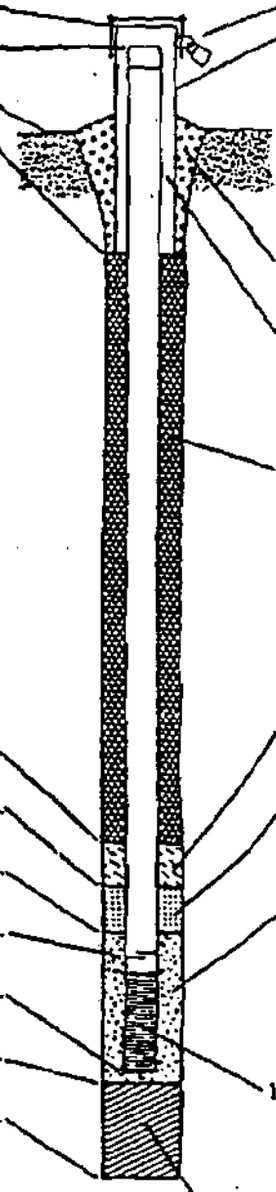
cc: Sara Humphrey, Sensient Technologies Corporation
Ben Sparks, Sensient Flavors Inc.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Kart Lumber	Local Grid Location of Well: ____ ft. ☐ N ☐ S ____ ft. ☐ E ☐ W	Well Name: MW-1
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12		Date Well Installed: 07/16/92 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 2, T. 11 N, R. 15 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) J. Weeks – WTD; Environmental Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation 908.28 ft. MSL

B. Well casing, top elevation 907.94 ft. MSL

C. Land surface elevation 908.3 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top _____ ft. MSL or 8.0 ft.

H. Screen joint, top _____ ft. MSL or 10.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

J. Filter pack, bottom _____ ft. MSL or 15.4 ft.

K. Borehole, bottom _____ ft. MSL or 15.5 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Cast aluminum — Steel ☐ 04; Other ☒
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Gasket cap w/lock

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☒ Fine Sand

5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #30
b. Volume added 2.6 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Northern Aire
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 14; Other ☒ Formation Sand

C2

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Foth & Van Dyke

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☑ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: Dodge

Common Well Name: MW2 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of SW 1/4 of Sec. 2 ; T. 11 N; R. 15 ☑ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Site closure | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Former Kant lumber

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 434 E. Oak Grove Street

City, Village, or Town: Juneau

Present Well Owner: Sensient Flavors | Original Owner: Kant lumber

Street Address or Route of Owner: 330 South Mill Street

City, State, Zip Code: Juneau, WI 53039

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/16/92

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.9 (From groundsurface) | Casing Diameter (in.) 2.0 | Casing Depth (ft.) 14.9

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☑ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11'

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☑ No	☐ Not Applicable
Casing Left in Place?	☑ Yes	☐ No	
Was Casing Cut Off Below Surface?	☑ Yes	☐ No	
Did Sealing Material Rise to Surface?	☑ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☐ No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☑ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Native soil & bent. chips	Surface	0.5		
Bentonite chips	0.5	14.9	35 lbs	

(6) Comments: removed outer steel flushmount casing & 10' of 2" PVC casing, overdrilled tope

(7) Name of Person or Firm Doing Sealing Work: MES / ENVIRON | Date of Abandonment: 3/22/04

Signature of Person Doing Work: L L Lipkowski | Date Signed: 3/22/04

Street or Route: 1414 Underwood | Telephone Number: (414) 456-1210

City, State, Zip Code: Wauwatosa, WI 53213

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Kant Lumber	Local Grid Location of Well: _____ ft. ☐ N ☐ S, _____ ft. ☐ E ☐ W	Well Name: MW-2
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 2, T. 11 N. R. 15 ☒ E. ☐ W.	Date Well Installed: 07/16/92 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient, s ☐ Sidegradient, d ☐ Downgradient, n ☐ Not Known	Well Installed By: (Person's Name and Firm) J. Weeks – WTD, Environmental Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No		

A. Protective pipe, top elevation 907.95 ft. MSL

B. Well casing, top elevation 907.50 ft. MSL

C. Land surface elevation 908.0 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 5.5 ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top _____ ft. MSL or 7.5 ft.

H. Screen joint, top _____ ft. MSL or 9.9 ft.

I. Well bottom _____ ft. MSL or 14.9 ft.

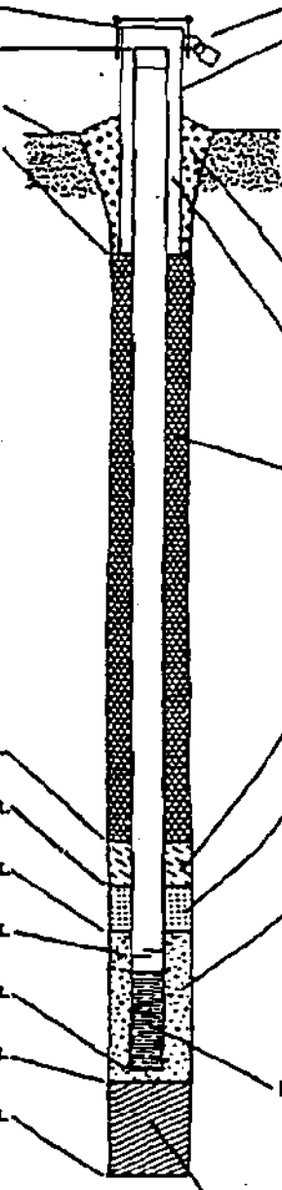
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.5 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Cast aluminum — Steel ☐ 04; Other ☒
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Gasket cap w/lock

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☒ Fine sand

5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.60 ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #30
b. Volume added 2.6 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Northern Pipe
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 14; Other ☒ Formation Sand + gravel

C3

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Foth & Van Dyke

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295[] and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☑ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _____ DNR Well ID No. _____ County: Dodge

Common Well Name: MW3 Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of SW 1/4 of Sec. 2 ; T. 11 N; R. 15 ☑ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ___ ___ Long ___ ___ ___ or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Site closure

WI Unique Well No. of Replacement Well _____

(2) FACILITY/ OWNER INFORMATION

Facility Name: Former Kant Lumber

Facility ID _____ License/Permit/Monitoring No. _____

Street Address of Well: 434 E. Grove Street

City, Village, or Town: Juneau

Present Well Owner: Sensient Flavors Original Owner: Kant Lumber

Street Address or Route of Owner: 330 South Mill Street

City, State, Zip Code: Juneau, WI 53039

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/16/92

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.4 (From groundsurface) Casing Diameter (in.) 2.0

Casing Depth (ft.) 15.4

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☑ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11'

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☑ No	☐ Not Applicable
Casing Left in Place?	☑ Yes	☐ No	
Was Casing Cut Off Below Surface?	☑ Yes	☐ No	
Did Sealing Material Rise to Surface?	☑ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☐ No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☑ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Native soil, & sand	Surface	0.5		
Bentonite chips	0.5	15.4'	30 lbs	

(6) Comments: removed outer steel flushmount casing, overdrilled 2" PVC casing

(7) Name of Person or Firm Doing Sealing Work: MES/ENVIRON Date of Abandonment: 3/22/04

Signature of Person Doing Work: [signature] Date Signed: 3/22/04

Street or Route: 1414 Underwood Telephone Number: (414) 456-1210

City, State, Zip Code: Wauwatosa, WI 53213

FOR DNR OR COUNTY USE ONLY

Date Received _____ Noted By _____

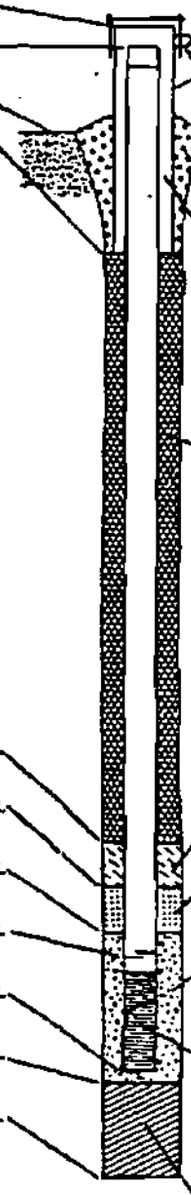
Comments _____

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Kant Lumber	Local Grid Location of Well: ____ ft. ☐N ☐S, ____ ft. ☐E ☐W	Well Name: MW-3
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N, ____ ft. E.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12		Date Well Installed: 07/16/98 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 2, T. 11 N, R. 15 ☒E ☐W	Well Installed By: (Person's Name and Firm) J. Weeks – WTD; Environmental Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient, s ☐ Sidegradient, d ☐ Downgradient, n ☐ Not Known	



A. Protective pipe, top elevation 908.52 ft. MSL
B. Well casing, top elevation 908.03 ft. MSL
C. Land surface elevation 908.5 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 5.0 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or 8.0 ft.
H. Screen joint, top _____ ft. MSL or 10.4 ft.
I. Well bottom _____ ft. MSL or 15.4 ft.
J. Filter pack, bottom _____ ft. MSL or 15.5 ft.
K. Borehole, bottom _____ ft. MSL or 16.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☐ 04; Cast aluminum Other ☒
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Gasket cap w/ lock
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ____; Fine Sand Other ☒
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. 1.4 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #30
b. Volume added 2.6 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Northern Aire
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 14; Other ☐ Formation Sand

C4

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Foth & Van Dyke

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, not more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☑ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _____ DNR Well ID No. _____ County: Dodge

Common Well Name: MW5 Gov't Lot (If applicable) _____

Grid Location: NW 1/4 of SW 1/4 of Sec. 2 ; T. 11 N; R. 15 ☑ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ___ ___ Long ___ ___ ___ or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: site closure

WI Unique Well No. of Replacement Well _____

(2) FACILITY / OWNER INFORMATION

Facility Name: Former Kant lumber

Facility ID _____ License/Permit/Monitoring No. _____

Street Address of Well: 434 E. Oak Grove Street

City, Village, or Town: Juneau

Present Well Owner: Sensient Flavors Original Owner: Kant lumber

Street Address or Route of Owner: 330 South Hill Street

City, State, Zip Code: Juneau, WI 53039

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/16/92

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.1 (From groundsurface) Casing Diameter (in.) 2.0

Casing Depth (ft.) 14.1

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☑ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 10.5

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☑ No	☐ Not Applicable
Casing Left in Place?	☑ Yes	☐ No	
Was Casing Cut Off Below Surface?	☑ Yes	☐ No	
Did Sealing Material Rise to Surface?	☑ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☐ No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☑ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Native soil, & sand	Surface	0.5		
Bentonite chips	0.5	14.1		

(6) Comments: removed outer steel flushmount casing, overdrilled 2" PVC casing

(7) Name of Person or Firm Doing Sealing Work: MES/ENVIRON Date of Abandonment: 3/22/04

Signature of Person Doing Work: H L Slyablewski Date Signed: 3/22/04

Street or Route: 1414 Underwood Telephone Number: (414) 456-1210

City, State, Zip Code: Wauwatosa, WI 53213

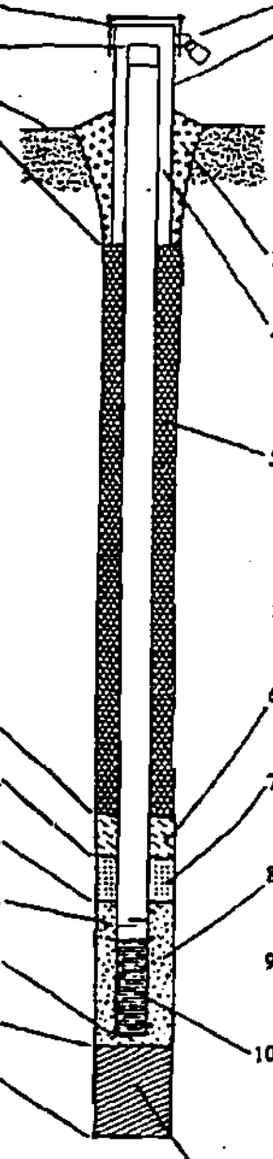
FOR DNR OR COUNTY USE ONLY
Date Received _____ Noted By _____
Comments _____

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Kant Lumber	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW-5
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 2, T. 11 N, R. 15 ☒E ☐W	Date Well Installed: 07/16/92 (m m d d y y)
Distance Well Is From Waste/Source Boundary: Approx. 35 ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) J. Weeks – WTD; Environmental Drilling, Inc.
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No		



1. Protective pipe, top elevation: 906.92 ft. MSL
2. Well casing, top elevation: 906.42 ft. MSL
3. Land surface elevation: 906.9 ft. MSL
4. Surface seal, bottom: _____ ft. MSL or 1.0 ft.
5. Bentonite seal, top: _____ ft. MSL or 5.0 ft.
6. Fine sand, top: _____ ft. MSL or _____ ft.
7. Filter pack, top: _____ ft. MSL or 7.0 ft.
8. Screen joint, top: _____ ft. MSL or 9.1 ft.
9. Well bottom: _____ ft. MSL or 14.1 ft.
10. Filter pack, bottom: _____ ft. MSL or 14.6 ft.
11. Borehole, bottom: _____ ft. MSL or 15.5 ft.
12. Borehole, diameter: 8.0 in.
13. O.D. well casing: 2.38 in.
14. I.D. well casing: 2.00 in.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis): _____

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 8.0 in.
   b. Length: 1.0 ft.
   c. Material: Cast aluminum — Steel ☐ 04; Other ☒
   d. Additional protection? ☒ Yes ☐ No
   If yes, describe: Gasket cap w/ lock
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☒ Fine sand
5. Annular space seal:
   a. Granular Bentonite ☒ 33
   b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
   c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
   d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
   e. 1.4 Ft³ volume added for any of the above
   f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal:
   a. Bentonite granules ☒ 33
   b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
   c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. _____
   b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
   a. Red Flint #30
   b. Volume added 2.7 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
    a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
    b. Manufacturer: Northern Pipe
    c. Slot size: 0.010 in.
    d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 14; Other ☒ Formation Sand & gravel

C7

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Foth & Van Dyke

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, not more than $100 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☑ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _____ DNR Well ID No. _____ County: Dodge

Common Well Name: MW27 Gov't Lot (If applicable) _____

Grid Location: NW 1/4 of SW 1/4 of Sec. 2 ; T. 11 N; R. 15 ☑ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ___ ___ Long ___ ___ ___ or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: site closure

WI Unique Well No. of Replacement Well _____

(2) FACILITY / OWNER INFORMATION

Facility Name: Former Kant lumber

Facility ID _____ License/Permit/Monitoring No. _____

Street Address of Well: 434 E. Oak Grove Street

City, Village, or Town: Juneau

Present Well Owner: Sensient Flavors

Original Owner: Kant lumber

Street Address or Route of Owner: 330 South Mill Street

City, State, Zip Code: Juneau, WI 53039

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: unknown

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 18.0 Casing Diameter (in.): 2.0

Casing Depth (ft.): 18.0

Lower Drillhole Diameter (in.): 8.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☑ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 11'

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☑ No	☐ Not Applicable
Casing Left in Place?	☑ Yes	☐ No	
Was Casing Cut Off Below Surface?	☑ Yes	☐ No	
Did Sealing Material Rise to Surface?	☑ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☐ No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☑ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Native soil	Surface	0.5		
Bentonite Chips	0.5	18	40 lbs	

(6) Comments: removed outer steel flushmount casing & 8' of 2" PVC casing, overdrilled top

(7) Name of Person or Firm Doing Sealing Work: MES/ENVIRON

Date of Abandonment: 3/22/04

Signature of Person Doing Work: A L Gabluck

Date Signed: 3/22/04

Street or Route: 1414 Underwood

Telephone Number: (414) 456-1210

City, State, Zip Code: Wauwatosa, WI 53213

FOR DNR OR COUNTY USE ONLY

Date Received _____ Noted By _____

Comments _____

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☑ Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _____ DNR Well ID No. _____ County: Dodge

Common Well Name: MW28 Gov't Lot (If applicable) _____

Grid Location: NW 1/4 of SW 1/4 of Sec. 2 ; T. 11 N; R. 15 ☐ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ___ ___ . ___ Long ___ ___ . ___ or

St. Plane _____ ft. N. _____ ft. E. ☐ E ☐ C ☐ N Zone

Reason For Abandonment: Site closure

WI Unique Well No. of Replacement Well _____

(2) FACILITY/OWNER INFORMATION

Facility Name: Former Kant hunker

Facility ID _____ License/Permit/Monitoring No. _____

Street Address of Well: 434 E. Oak Grove Street

City, Village, or Town: Juneau

Present Well Owner: Sensient Flavors Original Owner: Kant hunker

Street Address or Route of Owner: 330 South Mill Street

City, State, Zip Code: Juneau, WI 53039

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: unknown

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 17.5 (From groundsurface) Casing Diameter (in.) 2.0

Casing Depth (ft.) 17.5

Lower Drillhole Diameter (in.) 8.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☑ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 13'

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☑ No ☐ Not Applicable
Casing Left in Place? ☑ Yes ☐ No

Was Casing Cut Off Below Surface? ☑ Yes ☐ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☐ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☑ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Native soil & sand	Surface	0.5		
Bentonite chips	0.5	17.5	40 lbs	

(6) Comments: removed outer steel casing (flushmount), overdrilled 2" PVC casing

(7) Name of Person or Firm Doing Sealing Work: MES / ENVIRON Date of Abandonment: 3/22/04

Signature of Person Doing Work: [signature] Date Signed: 3/22/04

Street or Route: 1414 Underwood Telephone Number: (414) 456 1210

City, State, Zip Code: Wauwatosa, WI 53213

FOR DNR OR COUNTY USE ONLY

Date Received _____ Noted By _____

Comments _____

Summary of Historical Ground Water Analytical Results
Former Kant Lumber Site, Juneau, Wisconsin

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	1,2-DCA	DRO (ppm)	GRO
Enforcement Standard		5	700	1,000	10,000	480*		60	40	5	NS	NS
Preventive Action Limit		0.5	140	200	1,000	96*		12	8	0.5	NS	NS
MW-1	08/05/92	**8.4**	15	3.8	3.7	NA	NA	<1.0	1	NA	NA	NA
(FVD-1)	06/17/93	**220**	*150*	<20	350	NA	NA	<20	**54**	NA	NA	NA
	04/10/95	*2.4*	5.8	<1.0	12	NA	NA	**3.7**	<3.0	NA	NA	NA
	06/20/95	**140**	18	4.6	35	NA	NA	<1.0	<3.0	NA	NA	NA
	12/19/95	**300**	50	12	143	NA	NA	6.8	<3.0	NA	NA	NA
	07/01/99	**13**	<0.32	<0.27	<0.67	<0.22	<0.27	<0.32	0.35	NA	NA	NA
	09/27/99**	**230**	42	11	103.7	38	4.6	<0.44	11	NA	NA	NA
	12/7/99**	**110**	3.3	1.4	8.1	3.5	0.46	0.91	1.2	NA	NA	NA
	02/23/00**	**46.5**	177	1.17	0.801	1.13	8.92	5.62	*18.8*	NA	NA	NA
	05/31/00**	*3.81*	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<8.00	NA	NA	NA
	08/23/00**	**129**	16.3	<5.00	44	17.7	<5.00	2.13	15.2	NA	NA	NA
	06/27/01**	*3.8*	<0.22	0.5 "J"	<0.69	<0.26	<0.34	<0.46	<0.69	NA	NA	NA
MW-2	08/05/92	**40**	2.8	11	8	NA	NA	7	7.4	NA	NA	NA
(FVD-2)	06/17/93	<1.0	<1.0	<1.0	<3.0	NA	NA	<1.0	<1.0	NA	NA	NA
	04/10/95	**29**	<1.0	<1.0	<2.0	NA	NA	9	<3.0	NA	NA	NA
	06/20/95	**440**	1.7	7.1	9.7	NA	NA	<1.0	<3.0	NA	NA	NA
	12/19/95	<1.0	<1.0	<1.0	<2.0	NA	NA	9.6	<3.0	NA	NA	NA
	07/24/97**	**31**	0.71	1.3	2.1	NA	NA	<0.16	NA	NA	NA	NA
	09/27/99**	**230**	42	11	104	38	4.6	<0.44	*11*	NA	NA	NA
	06/27/01**	<0.21	<0.22	<0.41	<0.69	<0.26	<0.34	0.53 "J"	<0.69	NA	NA	NA
	04/09/03	*0.533*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	NA	NA
MW-3	08/05/92	**430**	<5.0	48	140	NA	NA	*27*	**41**	NA	NA	NA
(FVD-3)	04/10/95	**380**	34	11	163	NA	NA	*35*	*12*	NA	NA	NA
	06/20/95	**380**	28	8.4	113	NA	NA	*17*	*18*	NA	NA	NA
	12/19/95	**150**	3.2	3.2	12	NA	NA	<1.0	<3.0	NA	NA	NA
	05/31/00**	**102**	<50	<50	<50	<50	<50	<5.0	<80	NA	NA	NA
	08/23/00**	<0.500	<5.00	<5.00	<5.00	<5.00	<5.00	1.2	<8.00	NA	NA	NA
	06/27/01**	0.28 "J"	<0.22	<0.41	<0.69	<0.26	<0.34	<0.46	<0.69	NA	NA	NA
MW-4	08/05/92	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	NA	NA	NA
(FVD-4)	06/20/95	<1.0	<1.0	<1.0	<2.0	NA	NA	<1.0	NA	NA	NA	NA
MW-5	08/05/92	<1.0	<1.0	<1.0	<2.0	NA	NA	<1.0	<1.0	NA	NA	NA
(FVD-5)	04/10/95	<1.0	<1.0	<1.0	<2.0	NA	NA	1.2	NA	NA	NA	NA
	12/19/95	<1.0	<1.0	<1.0	<2.0	NA	NA	1.6	NA	NA	NA	NA
	07/01/99	<0.27	<0.32	<0.27	<0.67	<0.22	<0.27	0.89	<0.35	NA	NA	NA
	09/27/99**	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	0.7	<0.89	NA	NA	NA
	12/7/99**	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	0.65	<0.89	NA	NA	NA
	06/27/01**	*0.57 "J"*	<0.22	<0.41	<0.69	<0.26	<0.34	0.66 "J"	<0.69	NA	NA	NA
	04/09/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	NA	NA

Summary of Historical Ground Water Analytical Results
Former Kant Lumber Site, Juneau, Wisconsin

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	1,2-DCA	DRO (ppm)	GRO
Enforcement Standard		5	700	1,000	10,000	480*		60	40	5	NS	NS
Preventive Action Limit		0.5	140	200	1,000	96*		12	8	0.5	NS	NS
MW-27	07/30/97	**220**	47	12	41	31	1.1	<0.32	NA	NA	NA	1,200
	07/01/99	**780**	*200*	37	274	*180*	*4.5*	<1.6	*16*	NA	NA	NA
	09/27/99	**120**	85	10	115.2	75	4.7	<0.22	*14*	NA	NA	NA
	12/07/99	**36**	57	2.5	25	31	0.78	<0.32	5.2	NA	NA	NA
	02/23/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	<2.0	NA	NA	NA
	05/31/00	**348**	76.8	9.97	57.1	85.9	<5.00	4.18	<8.00	NA	NA	NA
	08/23/00	**112**	63.2	6.69	83.1	47.7	<5.00	9.09	21.7	NA	NA	NA
	06/27/01	**78**	22	3.2	16	9.4	0.53 "J"	<0.46	<0.69	NA	NA	NA
	04/09/03	*0.845*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	*<2*	<0.5	NA	NA
MW-28	07/30/97	**510**	*370*	36	*1100*	**590**	77	<0.80	NA	NA	NA	7,000
	07/01/99	**480**	*170*	15	277.7	*280*	*15*	<1.6	*23*	NA	NA	NA
	09/27/99	**170**	35	6.8	87	*120*	*3.3*	5.7	*11*	NA	NA	NA
	12/07/99	**64**	1.9	0.57	14	26	<0.27	2.7	0.89	NA	NA	NA
	02/23/00	**27**	0.607	1.2	2.05	4.13	33.5	8.09	*9.06*	NA	NA	NA
	05/31/00	**171**	472	<25.0	56.4	53.2	<25.0	4.73	<40.0	NA	NA	NA
	08/23/00	**69.7**	13.9	<5.00	34.6	23.9	8.03	<0.500	*9.15*	NA	NA	NA
	04/09/03	**31.6**	0.743	<0.5	2.66	<0.5	<0.5	<0.5	*4.16*	<0.5	NA	NA

Notes: All results are expressed in parts per billion (ppb) except as noted.
MW-3, MW-11, and MW-6 were abandoned 11/11/98.
Bold - Indicates value equals or exceeds the NR 140 enforcement standard
Italics- Indicates value equals or exceeds the NR 140 preventive action limit
*Standard applies to total 1,2,4-TMB and 1,3,5-TMB.
**Sampled as part of United Coop investigation and monitoring.

NA: Not analyzed
J: flag: Analyte detected between LOD and LOQ.
TMB: Trimethylbenzene
MTBE: Methyl-t-butyl ether
DCA: Dichloroethane

DRO: Diesel range organics
GRO: Gasoline range organics
NS: No standard
ND: Not detected, detection limit not reported

Groundwater Sample Laboratory Analytical Results
United Cooperative Juneau AST Site
Juneau, Wisconsin

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	PAH	DRO	GRO
MW-22	03/20/96	**1,700**	770	97	*1,800*	**890**	**180**	<2.0	**140**	**9.2**	2.9	8,900
	03/26/97	**1,300**	*670*	86	*1,800*	**830**	**160**	*15*	**140**	<2.0	3	8,600
	07/01/99	**1,200**	*580*	72	*1,555*	**730**	**120**	<6.4	**120**	NA	NA	NA
	09/27/99	**980**	720	81	*1,968*	**820**	**180**	<2.2	**200**	NA	NA	NA
	12/07/99	**330**	*570*	37	*1,448*	**760**	**120**	2.1	**150**	NA	NA	NA
	02/23/00	**104**	119	13.7	*539*	**503**	**73.4**	*37.3*	**86**	NA	NA	NA
	05/31/00	**573**	*374*	<50	*862*	**462**	**80.5**	7.68	**99.7**	NA	NA	NA
	08/23/00	**672**	*487*	<50.0	*1,090*	**506**	**83.6**	<5.00	**160**	NA	NA	NA
	06/27/01	**530**	*460*	43	*1,000*	**530**	**100**	<9.2	**100**	NA	NA	NA
MW-23	03/20/96	**180**	*330*	13	910	**540**	**160**	<10	**110**	<10	3.3	3,700
	03/26/97	2.8	9.5	<0.39	19	18	1.9	<0.14	1.8	<0.20	0.26	180
MW-24	03/20/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<50
	03/26/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	<0.35	<0.20	<0.10	<50
	07/01/99	<0.27	<0.32	<0.27	<0.67	<0.22	<0.27	<0.32	<0.35	NA	NA	NA
	12/07/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/23/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/27/01	<0.21	<0.22	<0.41	<0.69	<0.26	<0.34	<0.46	<0.69	NA	NA	NA
Enforcement Standard		5	700	1,000	10,000	480*		60	40	5	NS	NS
Preventive Action Limit		0.5	140	200	1,000	96*		12	8	0.5	NS	NS

(Continued)

Notes: All results are expressed in µg/L except as noted.

Bold Indicates value equals or exceeds the NR 140 enforcement standard

Italics Indicates value equals or exceeds the NR 140 preventive action limit

MW-3, MW-11, and MW-6 were abandoned 11/11/98

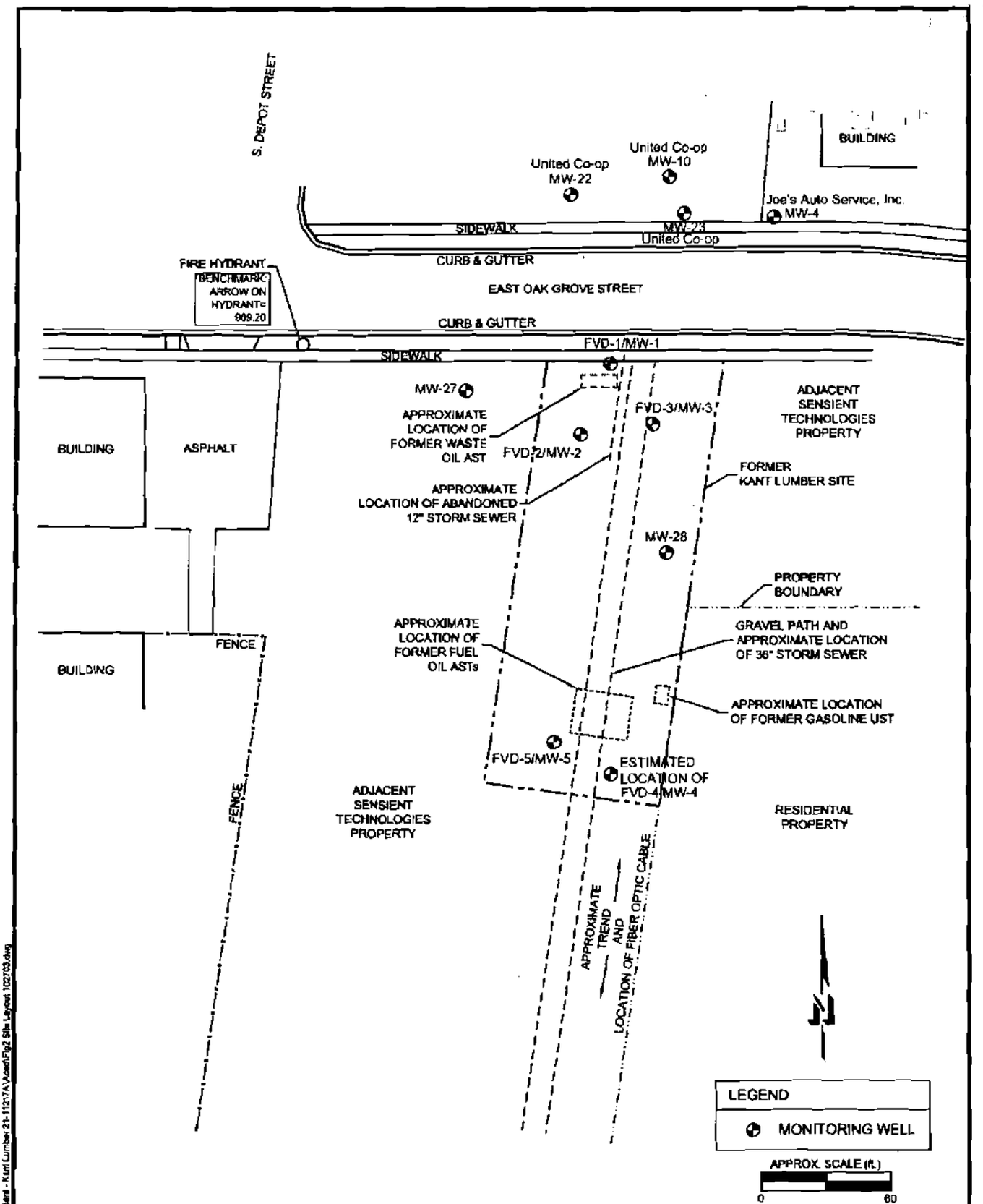
(*): Standards are for 1,2,4-TMB and 1,3,5-TMB combined

J: flag: Analyte detected between LOD & LOQ

DRO: Diesel range organics
DCA: Dichloroethane
PAH: Polycyclic aromatic hydrocarbons
TMB: Trimethylbenzene
NS: No standard
NS: No standard
MTBE: Methyl t-Butyl ether
GRO Gasoline range organics
NA: Not analyzed

Checked by: _____ Approved by: _____

Table from Envirogen Closure Documentation
for the United Cooperative Site



ENVIRON	Site Layout Former Kant Lumber Site Juneau, Wisconsin	Figure 2

Drafter: APR Date: 10/27/03 Contract Number: 21-11217A Approved: Revised:

R:\Client Project Files\Sensient - Kant Lumber 21-11217A\Acad\Fig2 Site Layout 102703.dwg

Table 3-1

Overexcavation Soil Sampling Analytical Results
October 1994
Former Kant Lumber Site
Juneau, Wisconsin

Waste Oil Ast

Sampling Location	Sampling Depth (Feet)	Soil Type	Benzene (ug/kg)	MTBE (ug/kg)	Ethyl-benzene (ug/kg)	Toluene (ug/kg)	1,2,4-TMB (ug/kg)	1,3,5-TMB (ug/kg)	m- & p-xylenes (ug/kg)	o-xylenes (ug/kg)	DRO (mg/kg)
HSB-WO-A	4.5	silty clay	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	100
HSB-WO-B	2	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	45
HSB-WO-C	2.5	silty clay	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	58
HSB-WO-D	1	sand	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	32
HSB-WO-E	2.5	silty clay	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	120
HSB-WO-F	2.5	clayey silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	18
HSB-WO-G	1.5	sand	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	14
Wisconsin Interim Soil Standards*											
			5.5	NE	2,900	1,500	NE	NE	4100**	4100**	100/250

< = Compound was not identified above the detection limit shown.
ug/kg = Micrograms per kilogram
mg/kg = Milligrams per kilogram
DRO = Diesel Range Organics
NE = Standard Not Established
MTBE = Methyl tert butyl ether
TMB = Trimethylbenzene

* Based upon proposed Chapter NR 720 standards and are applicable when site conditions such as: the definition of the degree and extent of contamination determined; no toxic or explosive hazards present; no water supply wells at risk; remaining contaminated soil less than six meters thick; contaminated soil more than one meter above fractured bedrock; and hydraulic conductivity conditions met.

** Standard is established for total xylenes.

[32-15/10/18]90H27

Prepared by: RLP1
Checked by: NAJ

From: Foth & Van Dyke Report "Soil Remedial Action, Fuel Oil AST, Former Kant Lumber Company", December 1994

Table 3-1

Overexcavation Soil Sampling Analytical Results
October 1994
Former Kant Lumber Site
Juneau, Wisconsin
Fuel Oil AST

Sampling Location	Sampling Depth (Feet)	Soil Type	Benzene (ug/kg)	MTBE (ug/kg)	Ethyl-benzene (ug/kg)	Toluene (ug/kg)	1,2,4-TMB (ug/kg)	1,3,5-TMB (ug/kg)	m- & p-xylenes (ug/kg)	o-xylenes (ug/kg)	DRO (mg/kg)
HSB-FO-01	7	clayey silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.5
HSB-FO-02	8	clayey silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.8
HSB-FO-03	7	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.5
HSB-FO-04	1	clayey silt	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	10
HSB-FO-05	8	sandy silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.5
HSB-FO-06	11	silty sand	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<5.3
HSB-FO-07	13	silty sand	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<4.9
HSB-FO-08	7	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<6.2
HSB-FO-09	1	clayey silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	7.2
HSB-FO-10	5	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.2
HSB-FO-11	4	clayey silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.5
HSB-FO-12	2	silty clay	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<5.3
HSB-FO-13	1	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.5
HSB-FO-14	1	silt	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.2
HSB-FO-15	1	sandy clay	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	7.2
Wisconsin Interim Soil Standards*											
			5.5	NE	2,900	1,500	NE	NE	4100**	4100**	100/250

< = Compound was not identified above the detection limit shown.
ug/kg = Micrograms per kilogram
mg/kg = Milligrams per kilogram
DRO = Diesel Range Organics
NE = Standard Not Established
MTBE = Methyl tert butyl ether
TMB = Trimethylbenzene

* Based upon proposed Chapter NR 720 standards and are applicable when site conditions such as: the definition of the degree and extent of contamination determined; no toxic or explosive hazards present; no water supply wells at risk; remaining contaminated soil less than six meters thick; contaminated soil more than one meter above fractured bedrock; and hydraulic conductivity conditions met.
** Standard is established for total xylenes.

Prepared by: RLP1, Checked by: NAJ

I32-15/10/18/90H27

From: Foth & Van Dyke Report "Soil Remedial Action, Fuel Oil AST, Former Kant Lumber Company", December 1994

Table 4-4 *(Cont'd.)*

Analytical Parameters	Sample I.D. No. and Depth								
	SB17-02 2.5-4.5'	SB17-04 7.5-9.5'	SB18-01 0-2'	SB18-03 5-7'	SB18-05 10-12'	SB19-01 0-2'	SB19-03 5-7'	SB19-05 10-12'	TB-01* ---
Total Petroleum Hydrocarbons (mg/kg)									
DRO	237	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	NA
Petroleum Volatile Organic Compounds (ug/kg)									
Benzene	ND (4.8)	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
Toluene	ND (4.8)	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
Ethylbenzene	35.7	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
Xylenes (Total)	49.4	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
MTBE	9.2	12.0	ND (4.4)	ND (5.1)	9.9	7.4	8.9	ND (5.3)	ND (4.0)
1,3,5-TMB	38.6	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
1,2,4-TMB	57.1	ND (5.0)	ND (4.4)	ND (5.1)	ND (4.4)	ND (4.4)	ND (4.9)	ND (5.3)	ND (4.0)
TOC (mg/kg)	186	40.3	33.1	22.4	31.1	84.5	31.1	28.7	NA

DRO = Diesel range organics
MTBE = Methyl tertiary butyl ether
1,3,5-TMB = 1,3,5-trimethyl benzene
1,2,4-TMB = 1,2,4-trimethyl benzene
TOC = Total organic carbon
NA = Not analyzed
ND = Analyte not detected at or above the detection limit in parentheses
mg/kg = Milligrams per kilogram
ug/kg = Micrograms per kilogram
* = Aqueous trip blank. Units in micrograms per liter (ug/L)

Prepared by: RLP
Checked by: ML

From: Foth & Van Dyke Report "Additional Site Investigation, Former Kant Lumber Company", December 1993

Table 4-4

Soil Sampling Analytical Results
Former Fuel Oil Aboveground Storage Tank (AGT)
July 1992 and October 1993
Former Kant Lumber Site - Juneau, Wisconsin

Analytical Parameters	Sample I.D. No. and Depth							
	SB14-01 0-2'	SB14-05 10-12'	SB15-01 0-2'	SB15-02 2-4'	SB16-01 0-2'	SB16-03 4-6'	MW04-01 0-2'	MW05-02 2.5-4.5'
Total Petroleum Hydrocarbons (mg/kg)								
DRO	20,000	74	310	23	200	10	22	96
Petroleum Volatile Organic Compounds (ug/kg)								
Benzene	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA
MTBE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TMB	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TMB	NA	NA	NA	NA	NA	NA	NA	NA
TOC (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA

IN FUEL OIL
UST BED

[32-14/15]90H27

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Prepared by: RLP
Checked by: MLI

From: Foth & Van Dyke Report "Additional Site Investigation, Former Kant Lumber Company", December 1993

Table 4-1 *(Cont'd.)*

Analytical Parameters	Sample I.D. No. and Depth			
	SS-23 0-2'	SS-24[1] 0-2'	SS-25[2] 0-2'	TB-01[3] —
Total Petroleum Hydrocarbons (mg/kg)				
DRO (October 1993)	ND (10)	ND (10)	ND (10)	NA
TPH-IR (July 1992)	NA	NA	NA	NA
Petroleum Volatile Organic Compounds (ug/kg) (October 1993)				
Benzene	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
Toluene	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
Ethylbenzene	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
Xylenes (Total)	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
MTBE	9.9	9.9	ND (4.6)	ND (4.0)
1,3,5-TMB	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
1,2,4-TMB	ND (5.0)	ND (4.5)	ND (4.6)	ND (4.0)
Cadmium (mg/kg) (July 1992)	NA	NA	NA	NA
Lead (mg/kg) (July 1992)	NA	NA	NA	NA
TOC (mg/kg) (October 1993	150	83.8	150	NA

DRO = Diesel range organics
TPH-IR = Total petroleum hydrocarbons-infrared method
MTBE = Methyl tertiary butyl ether
1,3,5-TMB = 1,3,5-trimethyl benzene
1,2,4-TMB = 1,2,4-trimethyl benzene
TOC = Total organic carbon
NA = Not analyzed
ND = Analyte not detected at or above the detection limit in parentheses
mg/kg = Milligrams per kilogram
ug/kg = Micrograms per kilogram
[1] = Soil sample collected at the location of July 1992 Sample No. MW03-01.
[2] = Soil sample collected at the location of July 1992 Sample No. MW02-01.
[3] = Aqueous trip blank. Units in micrograms per liter (ug/L).

Prepared by
Checked by

From: Foth & Van Dyke Report "Additional Site Investigation, Former Kant Lumber Company". December 1993

Table 4-1 *(Cont'd.)*

Analytical Parameters	Sample I.D. No. and Depth							
	SB20-03 5-7'	SB20-06 12-14'	SB21-01 0-2'	SB21-03 5-7'	SB21-05 10-12'	SB22-01 0-2'	SB22-03 5-7'	SB22-05 10-12'
Total Petroleum Hydrocarbons (mg/kg)								
DRO (October 1993)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TPH-IR (July 1992)	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Volatile Organic Compounds (ug/kg) (October 1993)								
Benzene	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
Toluene	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
Ethylbenzene	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
Xylenes (Total)	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
MTBE	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	8.7
1,3,5-TMB	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
1,2,4-TMB	ND (4.9)	ND (4.5)	ND (4.7)	ND (4.8)	ND (4.4)	ND (4.5)	ND (4.9)	ND (4.7)
Cadmium (mg/kg) (July 1992)	NA	NA	NA	NA	NA	NA	NA	NA
Lead (mg/kg) (July 1992)	7.7	3.3	1,015	12.5	4.1	172	12.5	1.4
TOC (mg/kg) (October 1993)	60.7	41.3	49.5	55.6	33.1	81.1	30.8	25.0

Prepared by: RLP1
Checked by: MLB

From: Foth & Van Dyke Report "Additional Site Investigation, Former Kant int Lumber Company", December 1993

Table 4-1

Soil Sampling Analytical Results
Former Waste Oil Aboveground Storage Tank (AGT)
July 1992 and October 1993
Former Kant Lumber Site - Juneau, Wisconsin

Analytical Parameters	Sample I.D. No. and Depth							
	SB12-01 0-2'	SB12-02 2-4'	SB13-01 0-2'	SB13-02 2-4'	MW01-01 0-2'	MW02-01 0-2'	MW03-01 0-2'	SB2(0-:
Total Petroleum Hydrocarbons (mg/kg)								
DRO (October 1993)	NA	NA	NA	NA	NA	NA	NA	ND
TPH-IR (July 1992)	78	45	35,400	140	60	3,200	680	N
Petroleum Volatile Organic Compounds (ug/kg) (October 1993)								
Benzene	NA	NA	ND (1,000)	NA	NA	NA	NA	ND
Toluene	NA	NA	ND (1,000)	NA	NA	NA	NA	ND
Ethylbenzene	NA	NA	ND (1,000)	NA	NA	NA	NA	ND
Xylenes (Total)	NA	NA	1,800	NA	NA	NA	NA	ND
MTBE	NA	NA	ND (1,000)	NA	NA	NA	NA	ND
1,3,5-TMB	NA	NA	1,900	NA	NA	NA	NA	ND
1,2,4-TMB	NA	NA	2,200	NA	NA	NA	NA	ND
Cadmium (mg/kg) (July 1992)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	N
Lead (mg/kg) (July 1992)	130	11	29	53	200	51	130	1
TOC (mg/kg) (October 1993)	NA	NA	NA	NA	NA	NA	NA	7

DOWN GRADIENT OF WASTE OIL UST BED

IN WASTE OIL UST BED

132-14190H27

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Prepared
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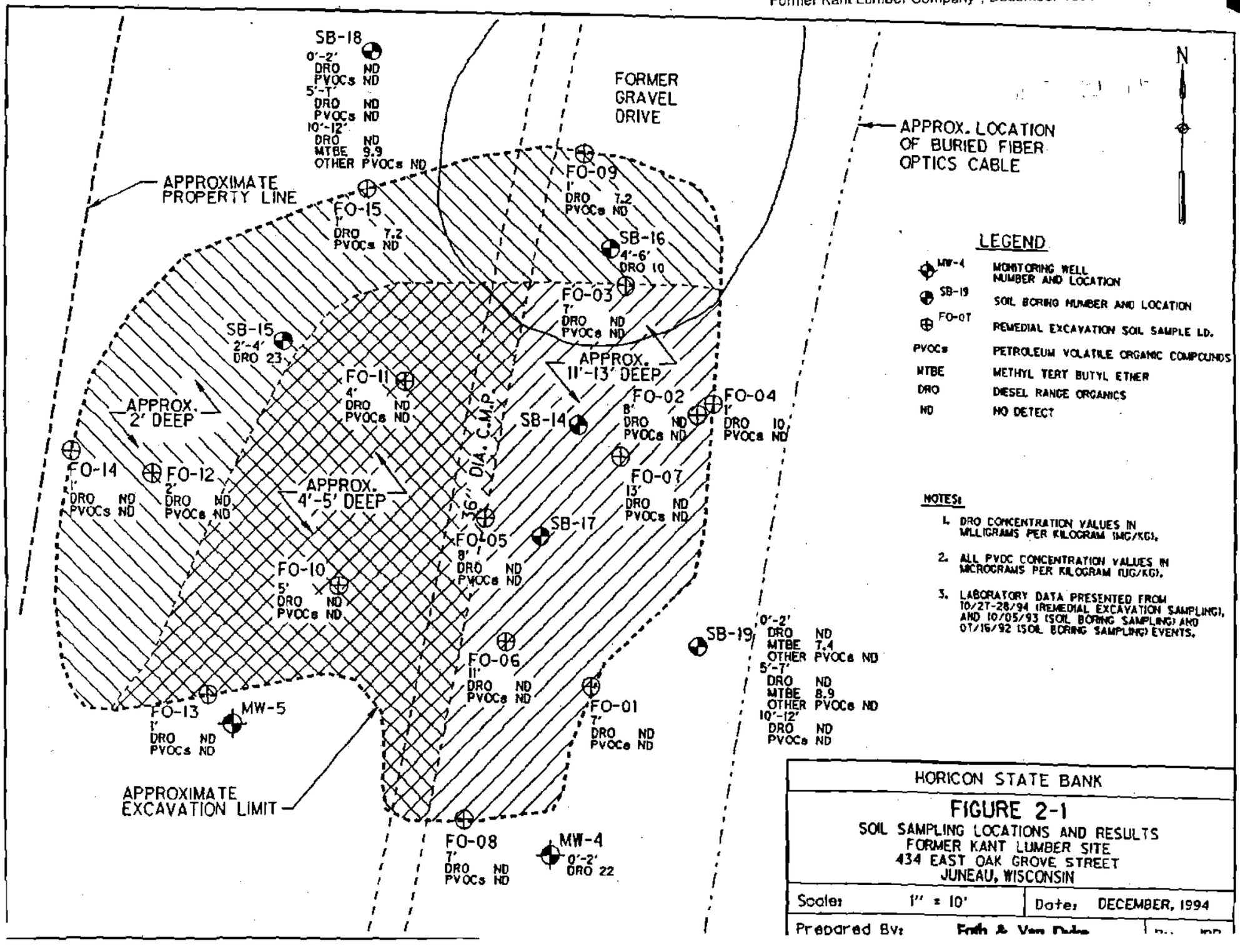
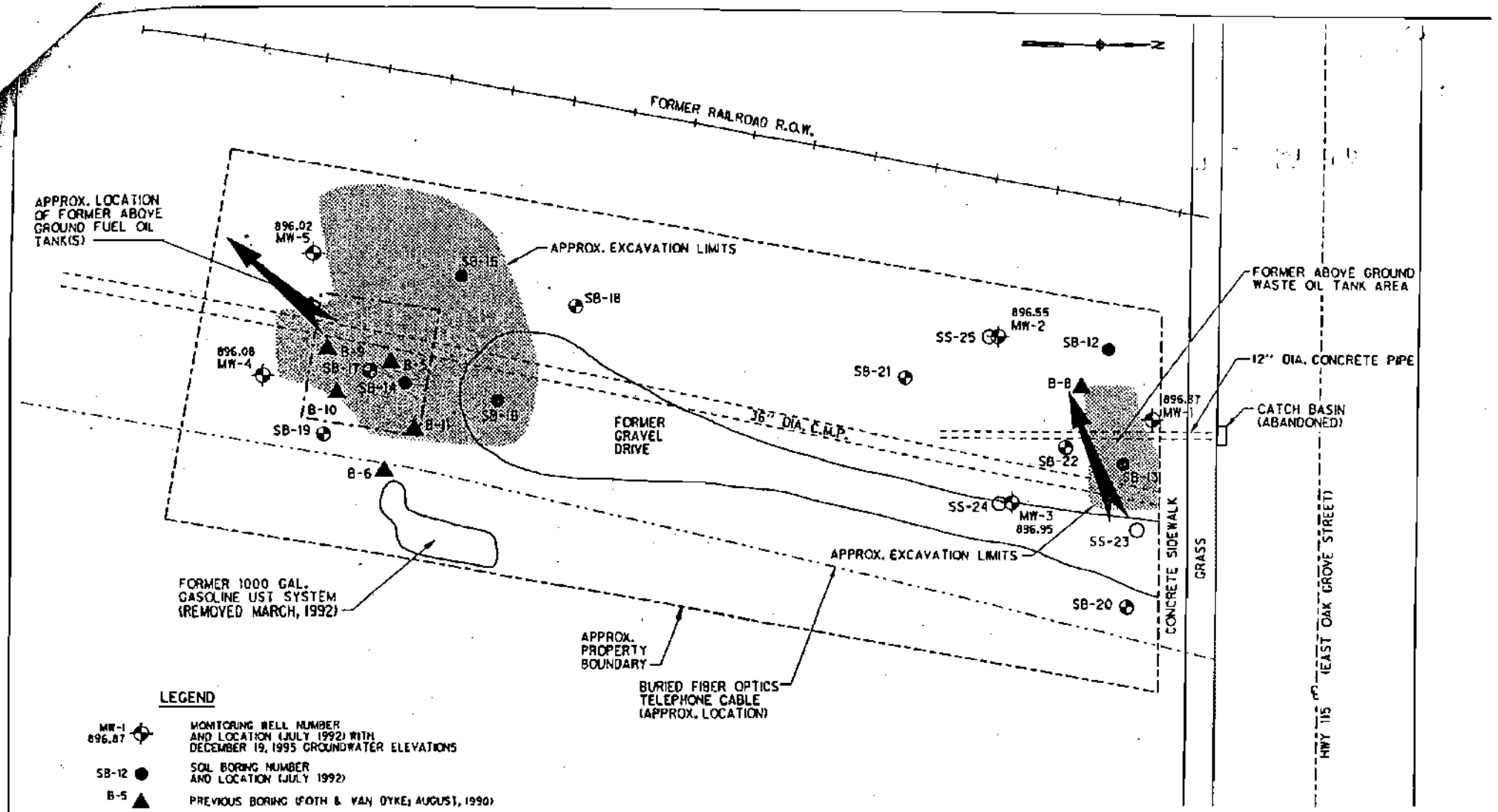
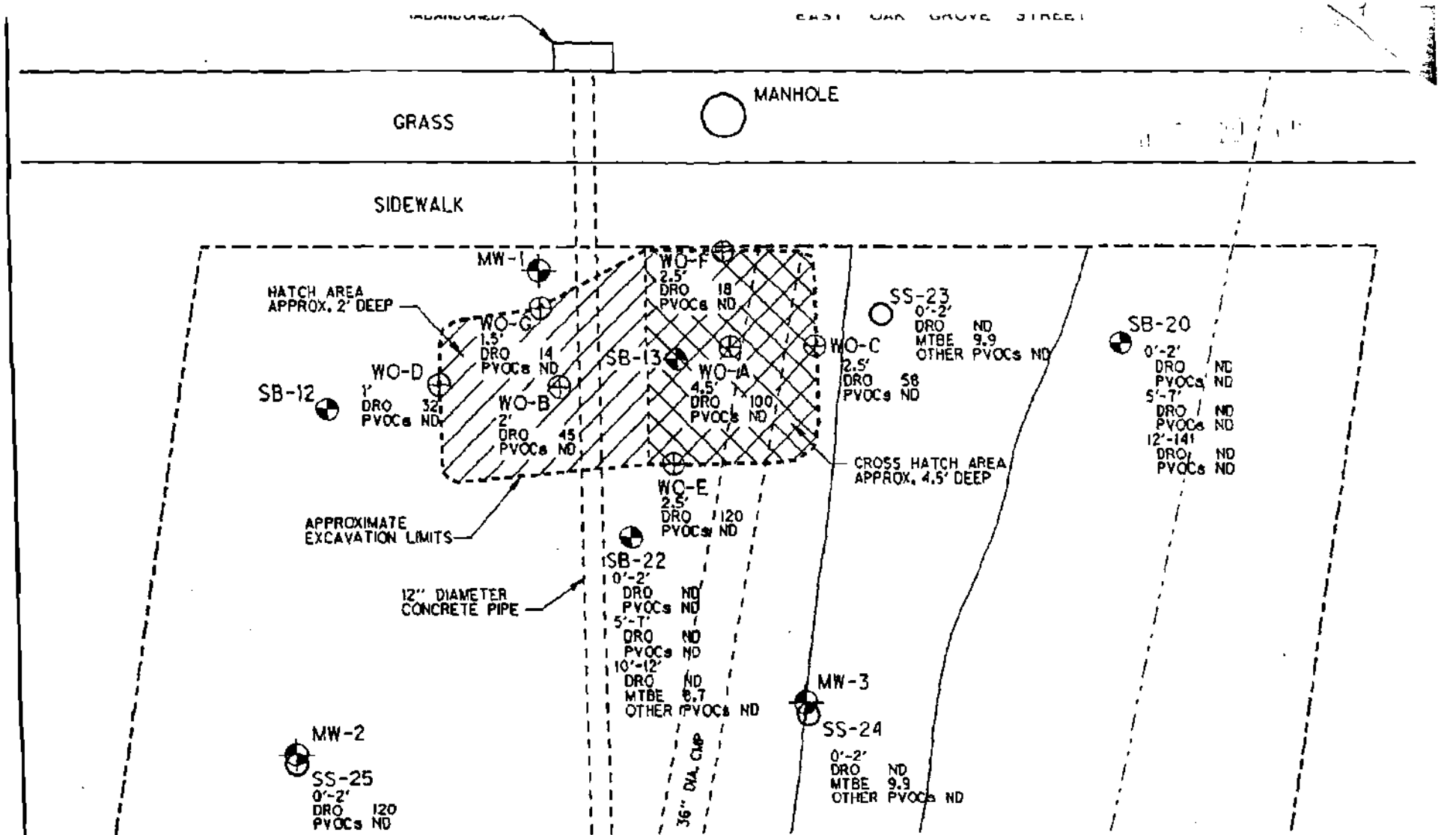
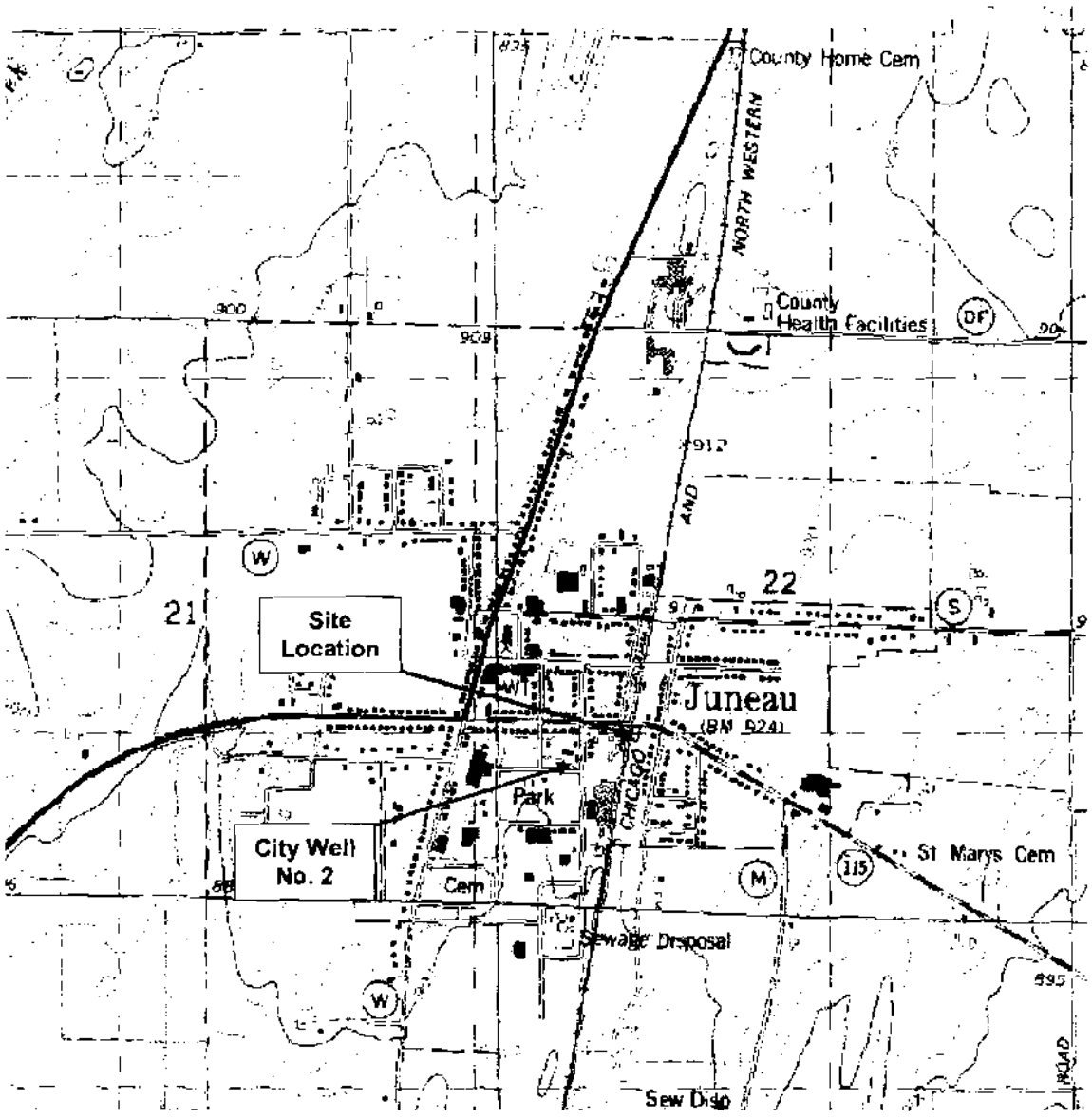
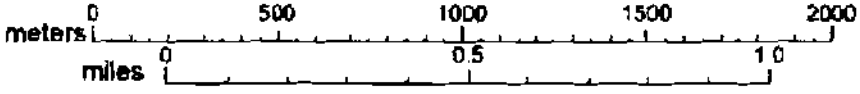



FORMER RAILROAD R.O.W.
APPROX. LOCATION OF FORMER ABOVE GROUND FUEL OIL TANK(S)
896.02 MW-5
SB-16
APPROX. EXCAVATION LIMITS
SB-18
896.55 MW-2
SS-25
SB-12
FORMER ABOVE GROUND WASTE OIL TANK AREA
12" DIA. CONCRETE PIPE
896.08 MW-4
B-9
SB-17
B-7
SB-14
SB-21
B-8
896.87 MW-1
CATCH BASIN (ABANDONED)
B-10
SB-19
B-1
SB-13
FORMER GRAVEL DRIVE
36" DIA. C.M.P.
SB-22
SB-13
B-6
SS-24
MW-3 896.95
SS-23
APPROX. EXCAVATION LIMITS
CONCRETE SIDEWALK
GRASS
HWY 115 (EAST OAK GROVE STREET)
FORMER 1000 GAL. GASOLINE UST SYSTEM (REMOVED MARCH, 1992)
SB-20
APPROX. PROPERTY BOUNDARY
BURIED FIBER OPTICS TELEPHONE CABLE (APPROX. LOCATION)
LEGEND
MW-1 896.87 MONITORING WELL NUMBER AND LOCATION (JULY 1992) WITH DECEMBER 19, 1995 GROUNDWATER ELEVATIONS
SB-12 SOIL BORING NUMBER AND LOCATION (JULY 1992)
B-5 PREVIOUS BORING (FOTH & VAN DYKE; AUGUST, 1990)
SB-21 SOIL BORING NUMBER AND LOCATION (OCTOBER 1993)
SS-24 SURFACE SOIL SAMPLE NUMBER AND LOCATION (OCTOBER 1993)
APPROXIMATE REMEDIATION AREA
APPROXIMATE GROUNDWATER FLOW DIRECTION (DECEMBER 19, 1995)
MODIFIED FROM: NORTHERN ENVIRONMENTAL TECHNOLOGIES (6/89)
From: Foth & Van Dyke Report "Additional Site Investigation, Former Kant Lumber Company", December, 1993 (best available copy)
HORICON STATE BANK
FIGURE 1
SITE FEATURES
FORMER KANT LUMBER SITE
434 EAST OAK GROVE STREET
JUNEAU, WISCONSIN
Scale:
Date: JULY, 1995
Prepared By: Foth & Van Dyke
By: JOW
90H2T
c:\codwork\0h27f5.dgn



From: Foth & Van Dyke Report "Soil Remedial Action, Waste Oil AST, Former Kant Lumber Company", December 1994





Basemap Source: USGS Horicon, WI 7.5 Minute Topographic Map

ENVIRON	Site Location Map Former Kant Lumber Juneau, Wisconsin	Figure 1