

DNR notes in blue. This site originally closed as 02-06-525148. After closure it was re-numbered as 02-06-547148.

**GIS REGISTRY INFORMATION**

SITE NAME: VALLEY LIQUID FERTILIZER  
BRRTS #: 02-06-547148 ~~02-06-525148~~ FID # (if appropriate): 606011780  
<sup>DATCP</sup> COMMERCE # (if appropriate): 97416091101  
CLOSURE DATE: 4-20-04  
STREET ADDRESS: S783 PFUND ROAD (S804 Pfund Rd)  
CITY: TOWN OF GILMANTON

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 380017 Y= 446632

CONTAMINATED MEDIA: Groundwater  Soil  Both

OFF-SOURCE GW CONTAMINATION >ES:  Yes  No

IF YES, STREET ADDRESS 1: \_\_\_\_\_  
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 issued
- 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.
- 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.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- 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



State of Wisconsin  
Jim Doyle, Governor

Department of Agriculture, Trade and Consumer Protection  
Rod Nilsestuen, Secretary

April 20, 2004

David Pfund, Facility Manager  
Valley Liquid Fertilizer  
S783 Pfund Road  
Mondovi, WI 54755

Re: **No Further Action Notice** – Valley Liquid Fertilizer. DATCP #97416091101  
(Section 18, Township ~~33~~<sup>23</sup> North, Range 11 West)

Dear Mr. Pfund:

Our case closure committee reviewed the information presented by your consultant and, based on their review, the committee determined that you have satisfactorily completed the needed work at the site.

The site will be listed on the DNR's registry of closed remediation sites. I will forward the information submitted with your closure request, and a copy of this letter, to DNR for posting on the registry. To review the sites on the registry and to see when your site is listed visit the registry web page at <http://gomapout.dnr.state.wi.us/org/at/ct/geo/gwur/index.htm>

This case may be reopened (*pursuant to NR 726.09, Wis. Adm. Code*) if additional information indicates that contamination from the site poses a threat to public health, safety or welfare, or the environment. If the case is re-opened and additional work is required, Agricultural Chemical Cleanup Program (ACCP) reimbursement may still be available for the work. It is in your best interest to keep all documentation related to the project and ACCP reimbursement claims.

Thank you for your efforts to bring this case to closure.

Sincerely,

Jeff Ackerman  
Hydrogeologist  
(608) 224-4516

copy: Gary LeMasters, DATCP  
Doug Joseph, DNR-WCR  
Jason Powell, Metco

*Wisconsin Food and Agricultural Products - \$40 Billion for Wisconsin's Economy*

Department of Agriculture, Trade and  
 Consumer Protection  
 PO Box 8911  
 Madison WI 53708-8911  
 Telephone: (608)224-4519  
 ARM.ACM 243 (Dev. 1/99)  
 Section 94.73, Wis. Stats.



## CASE CLOSE-OUT REQUEST FORM

A. Discharge Site Information	
Case Name: <b>Valley Liquid Fertilizer</b>	DATCP Case Number: <b>97416091101</b>
Site Legal Description: T. <del>28</del> <sup>23</sup> N, R. 11 <input type="checkbox"/> E or <input checked="" type="checkbox"/> W Sec. 18, Q NE, QQ <del>NE</del> NW	City/Village/Township: <b>Township</b>  <b>Gilmanton</b>

B. Site Characteristics
Summarize results of site investigation, describing the occurrence of agrichemical contaminants and the properties that affect their movement:  <b>Attached</b>

C. Soil Cleanup Information
Soil remedial action(s) taken for the site:  <b>Attached</b>

D. Groundwater Cleanup Information
Groundwater remedial action(s) taken for the site:  <b>Attached</b>

E. Justification for Case Closure
This request is for:  <input type="checkbox"/> an unrestricted case closure. <input type="checkbox"/> case closure with a detailed close-out letter. <input type="checkbox"/> case closure with a deed restriction for residual soil contamination. <input type="checkbox"/> case closure with a groundwater use restriction. <input checked="" type="checkbox"/> case closure with GIS registry for residual soil contamination
Is a NR 140 PAL exemption needed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Please explain why closure is justified:  <b>Attached</b>
---

I certify that I completed and reviewed all of the information included on this form and it is true and correct to the best of my knowledge.		
Signature	<b>Jason T. Powell</b> Print Name	<b>3-11-04</b> Date

DOCUMENT NO.

184207

AMENDED WARRANTY DEED

VOL. 231 PAGE 577

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER OF DEEDS } SS. BUFFALO COUNTY, WIS. } 15 Received for Record the day of Dec. A.D. 1994 at 9:00 o'clock P.M. and recorded in Vol. 231 of Recs. Page 577 Donald J. Kostner REGISTER 10.00Pd

This Deed, made between DONALD PFUND, Grantor, and VALLEY LIQUID FERTILIZER, INC., a Wisconsin corporation, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration One Dollar and other good and valuable consideration conveys to Grantee the following described real estate in BUFFALO County, State of Wisconsin:

RETURN TO: K-W + K (Arcadia)

Tax Parcel No.:

A parcel of land located in the NW 1/4 of the NE 1/4 of Section 18, T23N, R11W described as follows: Commencing at the Northwest corner of the NW 1/4 of the NE 1/4 of said Section 18; thence South along the West line a distance of 290.0 feet; Thence East parallel with the North line a distance of 290.0 feet; Thence North parallel with the West line a distance of 290.0 feet to the North line of the NW 1/4 of the NE 1/4; Thence West along the North line a distance of 290.0 feet to the point of beginning.

This Deed is given to correct a prior conveyance between the above parties dated December 2, 1994, and recorded December 2, 1994, in Vol. 231 of Records on page 425 as Document #184140.

Parcel # 14-455-20 D.P.

77.25(3) EXEMPT

This is not homestead property. (is) (is not)

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And Grantor

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except: all existing highways, easements and rights-of-way and subject to all Federal, State and municipal laws, rules and regulations, and will warrant and defend the same.

Dated this 12th day of December, 1994

Donald Pfund (SEAL) (SEAL)

\* DONALD PFUND \* (SEAL) (SEAL)

\* \* (SEAL) (SEAL)

AUTHENTICATION

ACKNOWLEDGEMENT

Signature(s) of authenticated this day of 19

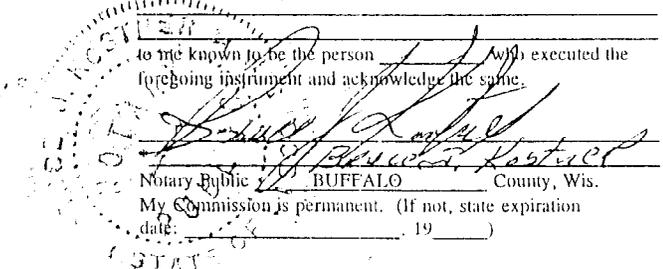
STATE OF WISCONSIN ) ) SS BUFFALO County ) Personally came before me this day of December, 1994 the above named DONALD PFUND

TITLE: MEMBER STATE BAR OF WISCONSIN (If not, authorized by § 706.06 Wis. Stats.)

to me known to be the person who executed the foregoing instrument and acknowledge the same. Notary Public BUFFALO County, Wis. My Commission is permanent. (If not, state expiration date: 19)

THIS INSTRUMENT WAS DRAFTED BY BRUCE J. KOSTNER

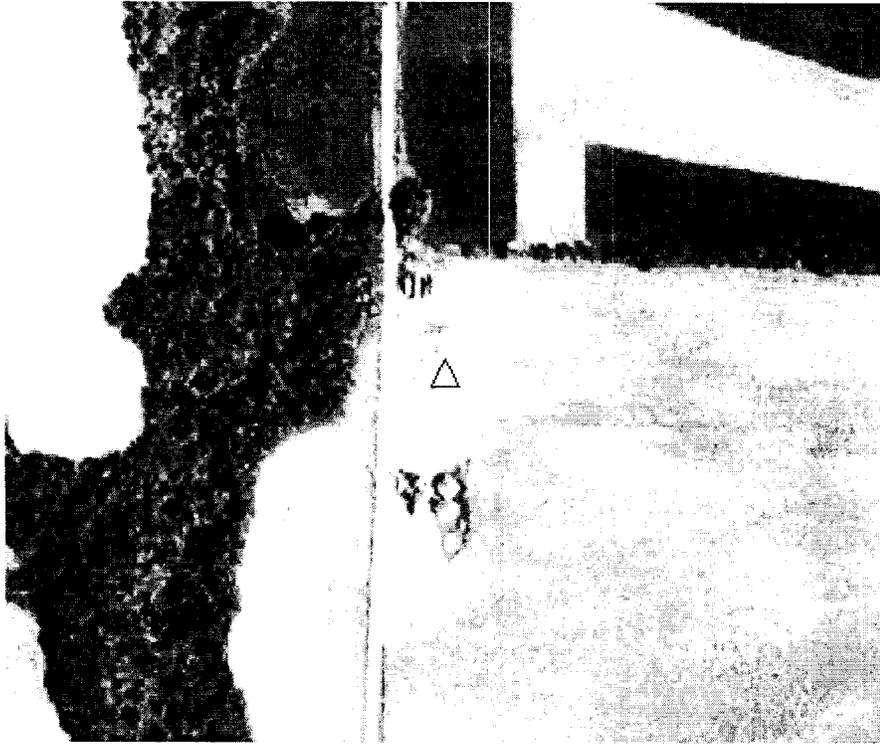
(Signatures may be authenticated or acknowledged. Both are not necessary.)



\*Names of persons signing in any capacity should be typed or printed below their signatures.



Scale 1 : 3,239

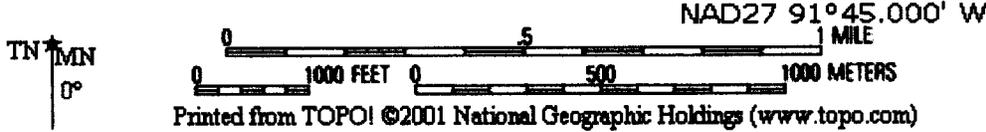
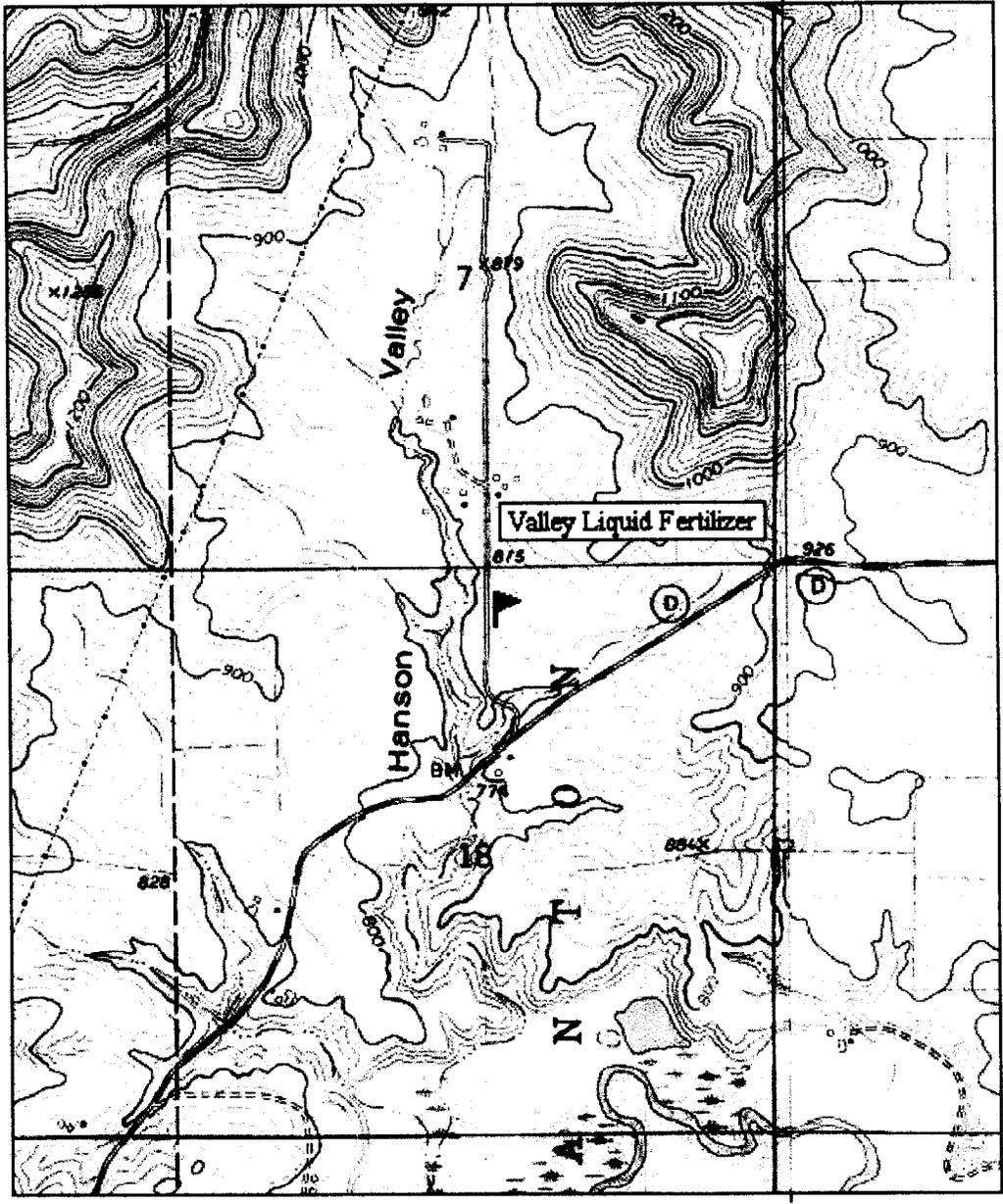


Please send the document name or file name

information.

△WTM coordinates: 380017, 446632

TOPOI map printed on 02/09/04 from "Wisconsin.tpo" and "Untitled.tpg"  
NAD27 91°45.000' W

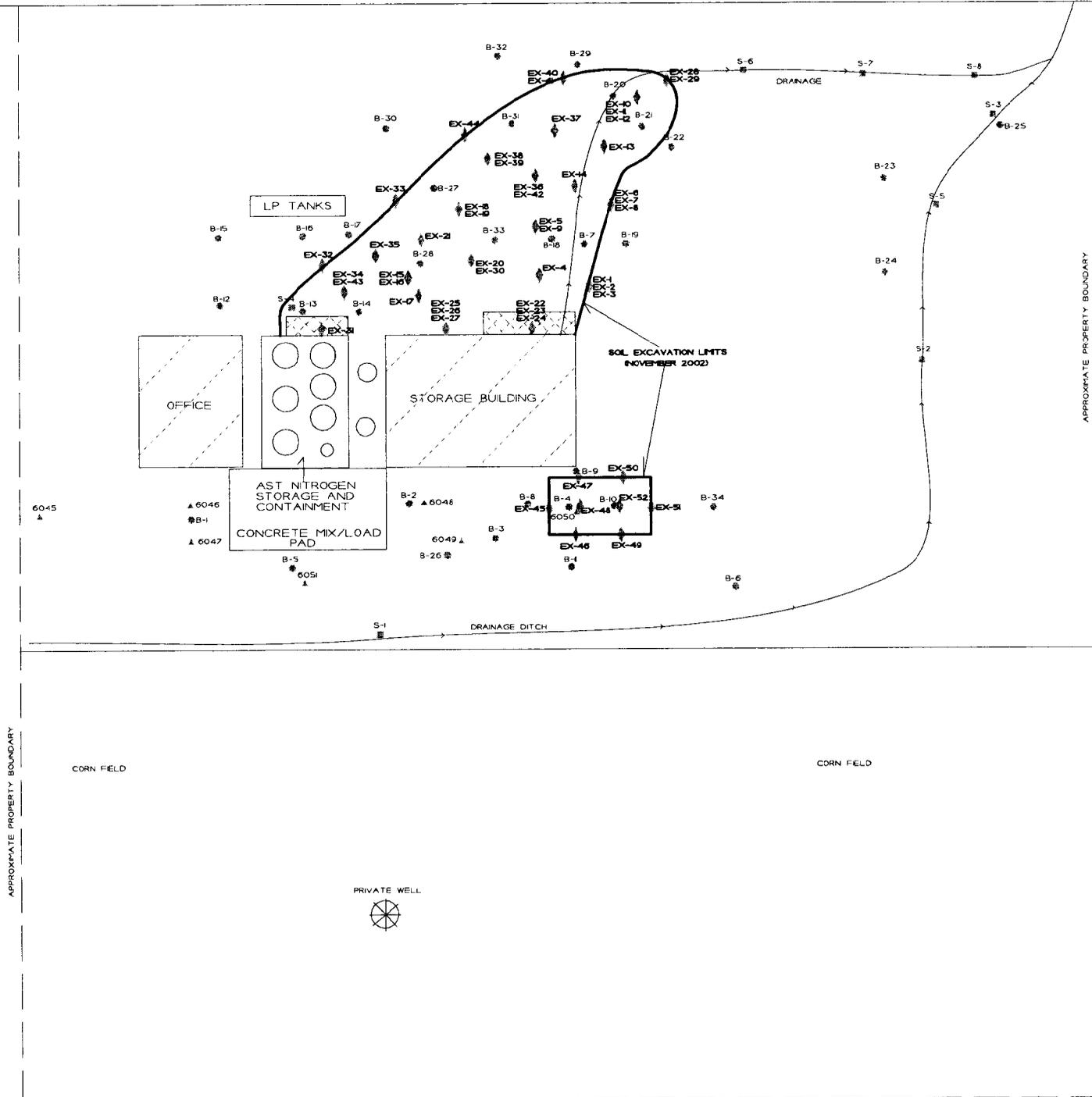


Printed from TOPOI ©2001 National Geographic Holdings (www.topo.com)

SITE LOCATION MAP
VALLEY LIQUID FERTILIZER – MONDOVI, WI
MONDOVI QUADRANGLE – 7.5 MINUTE SERIES

**METCO**  
Environmental Consulting, Fuel System Design, Installation and Service  
2956 Airport Road – La Crosse, WI 54603 608-781-8879

# PFUND ROAD



<b>SOIL EXCAVATION MAP</b> (NITROGEN CONTAMINATION LEFT IN PLACE)		
<b>VALLEY LIQUID FERTILIZER</b> MONDOVI, WISCONSIN		
	<b>SCALE:</b> 1 INCH = 40 FEET	
<small>DRAWN BY: J.F.D.          DATE: 3/12/03          JOB NO.: R-02-795 0026</small>		

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- ▲ DATCP SAMPLE LOCATION
- ◆ GEOPROBE BORING LOCATION (CEDAR CORP)
- SEDIMENT SAMPLE LOCATION (CEDAR CORP)
- ⬇ EXCAVATION SAMPLE LOCATION (METCO)

AREA OF NITROGEN CONTAMINATION LEFT IN PLACE DUE TO BUILDING STRUCTURES.

TABLE 1a  
 NITROGEN TEST RESULTS  
 VALLEY LIQUID FERTILIZER  
 MONDOVI, WI

SAMPLE ID	DATE	LAB.	NH3 ppm	NO3+NO2 ppm	TOTAL N ppm
	SAMPLED	TYPE			
B-1 (0.5-1.0)	4/21/98	F	<21	<21	ND
B-1 (4.0-4.5)	4/21/98	F	<21	<21	ND
B-2 (0.5-1.0)	4/21/98	F	57	32	89
B-2 (4.0-4.5)	4/21/98	F	<25	<25	ND
B-3 (0.5-1.0)	4/21/98	F	<23	48	48
B-3 (4.0-4.5)	4/21/98	F	<25	<25	ND
B-4 (0.5-1.0)	4/21/98	F	98	210	308
B-4 (4.0-4.5)	4/21/98	F	<25	<25	ND
B-5 (0.5-1.0)	4/21/98	F	<25	55	55
B-5 (4.0-4.5)	4/21/98	F	<25	<25	ND
B-6 (0.5-1.0)	4/21/98	F	<24	<24	ND
B-6 (4.0-4.5)	4/21/98	F	<26	<26	ND
B-7 (0.5-1.0)	4/21/98	F	9900	3600	13500
B-7 (4.0-4.5)	4/21/98	F	<24	390	390
B-8 (0.5-1.0)	4/27/99	M	56	<20	56
B-8 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-9 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-9 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-10 (0.5-1.0)	4/27/99	M	<20	72	72
B-10 (2.5-3.0)	4/27/99	M	170	<20	170
B-10 (7.5-8.0)	4/27/99	M	<20	<20	ND
B-11 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-11 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-12 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-12 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-13 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-13 (4.0-4.5)	4/27/99	M	<20	26	26
B-14 (0.5-1.0)	4/27/99	M(F)	350 (430)	78 (61)	428 (491)
B-14 (4.0-4.5)	4/27/99	M	<20	81	81
B-14 (7.5-8.0)	4/27/99	M	<20	48	48
B-15 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-15 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-16 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-16 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-17 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-17 (4.0-4.5)	4/27/99	M	<20	44	44
B-18 (0.5-1.0)	4/27/99	M	3000	<200	3000
B-18 (4.0-4.5)	4/27/99	M(F)	3400 (3600)	1500 (500)	4900 (4100)
B-18 (11.5-12.0)	4/27/99	M	<20	260	260
B-18 (15.5-16.0)	4/27/99	M(F)	<20 (9.4)	<20 (6.7)	ND (16.1)
B-19 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-19 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-20 (0.5-1.0)	4/27/99	M	670	380	1050
B-20 (4.0-4.5)	4/27/99	M	<20	410	410
B-20 (7.5-8.0)	4/27/99	M	<20	140	140
B-20 (11.5-12.0)	4/27/99	M	<20	45	45

**TABLE 1b**  
**NITROGEN TEST RESULTS**  
**VALLEY LIQUID FERTILIZER**  
**MONDOVI, WI**

SAMPLE ID	DATE	LAB.	NH3 ppm	NO3+NO2 ppm	TOTAL N ppm
	SAMPLED	TYPE			
B-21 (0.5-1.0)	4/27/99	M	24	80	104
B-21 (4.0-4.5)	4/27/99	M	<20	53	53
B-22 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-22 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-23 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-23 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-24 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-24 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-25 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-25 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-26 (0.5-1.0)	4/27/99	M	<20	48	48
B-26 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-27 (0.5-1.0)	4/27/99	M	93	25	118
B-27 (4.0-4.5)	4/27/99	M(F)	<20 (17)	63 (58)	63 (75)
B-28 (0.5-1.0)	4/27/99	M	<20	130	130
B-28 (4.0-4.5)	4/27/99	M	<20	120	120
B-28 (11.5'-12.5')	4/27/09	F	26	30	56
B-29 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-29 (4.0-4.5)	4/27/99	M	<20	<20	ND
B-30 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-30 (3.5-4.0)	4/27/99	M	<20	<20	ND
B-31 (0.5-1.0)	4/27/99	M(F)	<20 (6.5)	<20 (<2.3)	ND (6.5)
B-31 (4.0-4.5)	4/27/99	M	<20	39	39
B-32 (0.5-1.0)	4/27/99	M	31	32	63
B-32 (4.0-4.5)	4/27/99	M(F)	<20 (6)	<20 (10)	ND (16)
B-33 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-33 (4.0-4.5)	4/27/99	M	<20	180	180
B-33 (7.5-8.0)	4/27/99	M	<20	340	340
B-33 (11.5-12)	4/27/99	M	<2.2	72	72
B-34 (0.5-1.0)	4/27/99	M	<20	<20	ND
B-34 (4.0-4.5)	4/27/99	M	<20	<20	ND
S-1	4/21/98	F	28	73	101
S-2	4/21/98	F	<25	<25	ND
S-3	4/21/98	F	3600	870	4470
S-4	4/21/98	F	4900	620	5520
S-5	4/27/99	M	<20	<20	ND
S-6	4/27/99	M	<20	<20	ND
S-7	4/27/99	M	<20	<20	ND
S-8	4/27/99	M	<20	<20	ND
6045*	9/11/97	---	3.4	9.2	12.6
6046*	9/11/97	---	11.1	529	540.1
6047*	9/11/97	---	3.2	505	508.2
6048*	9/11/97	---	16.4	586	602.4
6049*	9/11/97	---	273	1010	1283
6050*	9/11/97	---	15.2	894	909.2
6051*	9/11/97	---	3.4	462	465.4

\*DATCP sample

ND = No Detect

ppm = parts per million

F = Fixed Base Lab

M = Mobile Lab

NO2+ NO3 = Nitrate plus Nitrate

NH3 = Ammonia

Total N = Sum of all Nitrogen detects

(430) = Confirmation Results

**TABLE 2  
PESTICIDE TEST RESULTS  
VALLEY LIQUID FERTILIZER  
MONDOVI, WI**

Sample ID	B-1		B-2		B-3		B-4		B-5		B-6		B-7		S-1	S-2	S-3	S-4	
Depth (ft)	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5' - 1.0'	4.0' - 4.5'	0.5'	0.5'	0.5'	0.5'	
Date Sampled	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	04/21/98	
Lab ID	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Alachlor	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
Atrazine	<25	<25	<b>26</b>	<25	<25	<25	<25	<25	<25	<25	<b>46</b>	<25	<25	<25	<25	<b>32</b>	<25	<b>37</b>	
Desisopropylatrazine	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	
Desethylatrazine	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<b>22</b>	<15	<b>35</b>	
Acetochlor	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	
Butylate	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	
Clomazone	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	
Cyanazine	<17	<17	<b>23</b>	<17	<17	<17	<b>32</b>	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	
Dimethoate	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	
Dimethenamid	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	
Metolachlor	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	<140	
Metribuzin	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<b>47</b>	<b>42</b>
Pendimethalin	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	<22	
Phorate	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	
Simazine	<23	<23	<23	<23	<23	<23	<23	<23	<b>23</b>	<23	<23	<23	<23	<23	<23	<23	<23	<23	
Terbufos	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	
Trifluralin	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
<b>Total Pesticides</b>	<b>ND</b>	<b>ND</b>	<b>49</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>32</b>	<b>ND</b>	<b>23</b>	<b>ND</b>	<b>46</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>54</b>	<b>47</b>	<b>114</b>	

RESULTS REPORTED IN PARTS PER BILLION  
ND = NO DETECT

SOIL EXCAVATION DATA TABLE FOR VALLEY LIQUID FERTILIZER  
BY METCO

SAMPLING CONDUCTED ON NOVEMBER 20 - 21, 2002

SOIL SAMPLES

Sample Location Number	EX-1	EX-2	EX-3	EX-4	EX-5	EX-6	EX-7	EX-8	EX-9	EX-10	EX-11	EX-12	EX-13	EX-14	EX-15	EX-16	EX-17
Sample Date	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002
Sample Depth in Feet	2	7	12	15	12	2	7	12	15	2	7	11	11.5	11.5	2	7	11
Soil Type Sidewall/Bottom	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	F-M SAND BOTTOM	SILT/CLAY BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	F-M SAND BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/CLAY BOTTOM	SILT/CLAY BOTTOM	SILT/LOAM BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/CLAY BOTTOM
Ammonia-N/ppm	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<b>49</b>	<b>25</b>	<20
Nitrate/Nitrite-N/ppm	<20	<20	<20	<20	<b>460</b>	<20	<20	<20	78	98	<b>160</b>	<20	<20	31	<b>190</b>	<b>82</b>	78

Sample Location Number	EX-18	EX-19	EX-20	EX-21	EX-22	EX-23	EX-24	EX-25	EX-26	EX-27	EX-28	EX-29	EX-30	EX-31	EX-32	EX-33	EX-34
Sample Date	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002
Sample Depth in Feet	2	7	11	11	2	7	11	2	7	11	2	7	14	2	2	2	4
Soil Type Sidewall/Bottom	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM BOTTOM	SILT/LOAM BOTTOM	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	SILT/CLAY BOTTOM	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	SILT/CLAY BOTTOM	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	F-M SAND BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM BOTTOM
Ammonia-N/ppm	<20	<20	<b>330</b>	<20	<b>150</b>	<b>110</b>	<b>760</b>	<20	<20	<20	<20	<20	<20	<b>200</b>	<20	<20	<b>21</b>
Nitrate/Nitrite-N/ppm	52	62	<b>20</b>	62	<20	<20	<80	<20	<20	<20	32	<20	<20	<b>41</b>	<20	84	<b>110</b>

Sample Location Number	EX-35	EX-36	EX-37	EX-38	EX-39	EX-40	EX-41	EX-42	EX-43	EX-44	EX-45	EX-46	EX-47	EX-48	EX-49	EX-50	EX-51	EX-52
Sample Date	11/20/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002
Sample Depth in Feet	4	10.5 SAND	10.5	2	7	2	7	13	6	2	2	2	2	4	2	2	2	6
Soil Type Sidewall/Bottom	SILT/LOAM BOTTOM	W/SILT CLAY BOTTOM	SAND W/SILT CLAY BOTTOM	SAND W/SILT CLAY SIDEWALL	SILT/CLAY SIDEWALL	SILT/LOAM SIDEWALL	SILT/CLAY SIDEWALL	SILT/CLAY W/SAND BOTTOM	SILT/CLAY/ LOAM BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM BOTTOM	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	SILT/LOAM SIDEWALL	F-M SAND W/SILT BOTTOM
Ammonia-N/ppm	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Nitrate/Nitrite-N/ppm	82	<b>260</b>	<20	<b>160</b>	60	26	42	36	36	<20	<b>65</b>	<20	<20	<20	<20	<20	<20	<20

CONFIRMATION SAMPLES

SOIL SAMPLES

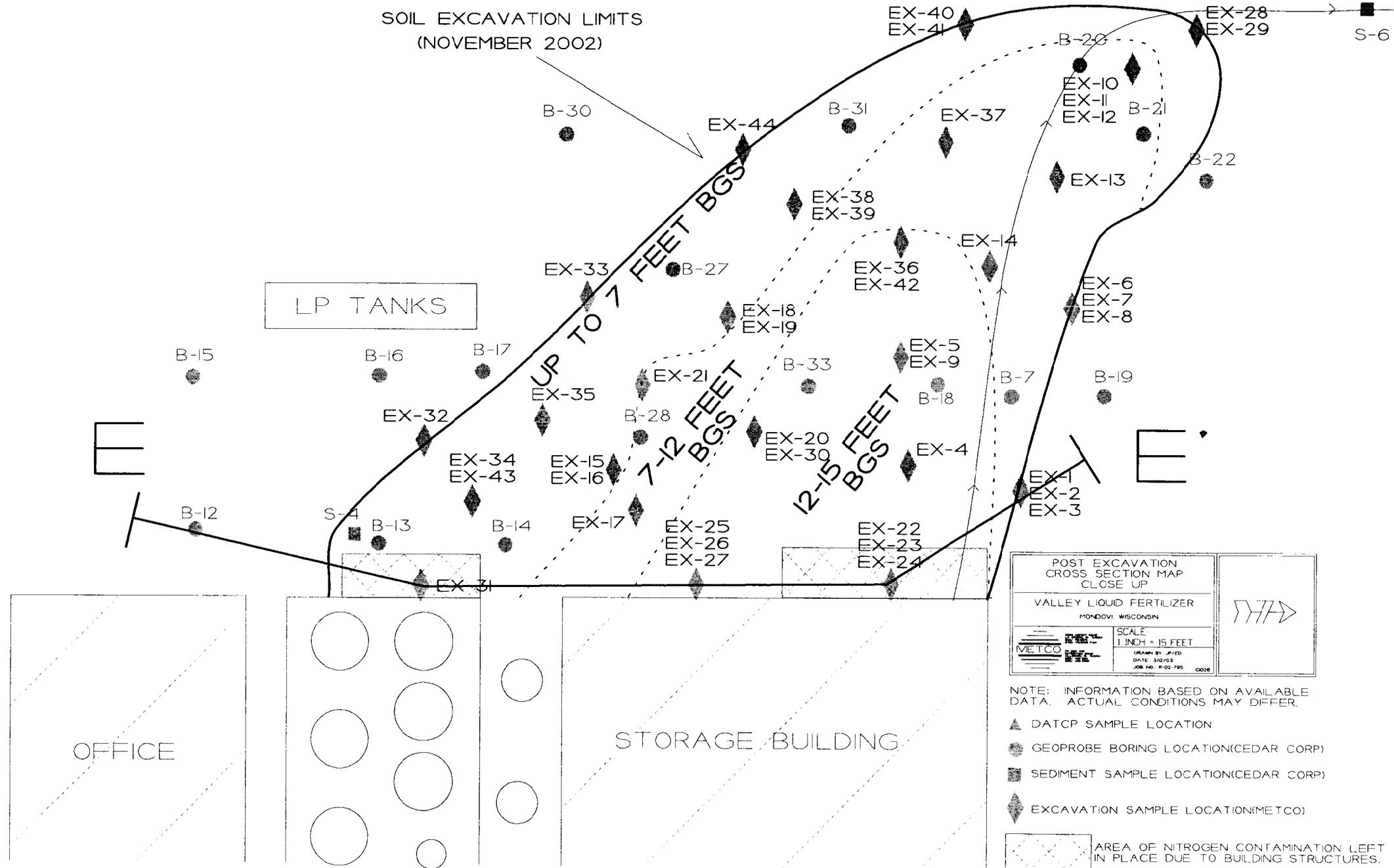
Sample Location Number	EX-5	EX-24	EX-30	EX-43	EX-50
Sample Date	11/20/2002	11/20/2002	11/20/2002	11/21/2002	11/21/2002
Sample Depth in Feet	12	11	14	6	2
Soil Type Sidewall/Bottom	SILT/CLAY BOTTOM	SILT/CLAY BOTTOM	F-M SAND BOTTOM	SILT/CLAY/LOAM BOTTOM	SILT/LOAM SIDEWALL
Solids, Total/ppm	81.4	81.1	98.2	85.5	80
Nitrate/Nitrite-N/ppm	<b>430</b>	<b>120</b>	<25	39	<31
Ammonia-N/ppm	<31	<b>840</b>	<25	<29	<31

Bold = Ammonia & Nitrate/Nitrite exceeding 100ppm total Nitrogen

METCO

Environmental Consulting, Fuel System Design, Installation and Service  
2956 Airport Road - La Crosse, WI 54603 608-781-8879

SOIL EXCAVATION LIMITS  
(NOVEMBER 2002)



POST EXCAVATION CROSS SECTION MAP CLOSE UP		
VALLEY LIQUID FERTILIZER MONDOVI, WISCONSIN		
	SCALE 1 INCH = 15 FEET	
DRAWN BY: JVED DATE: 3/2/03 JOB NO.: R-02-795		

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- ▲ DATCP SAMPLE LOCATION
- GEOPROBE BORING LOCATION (CEDAR CORP)
- SEDIMENT SAMPLE LOCATION (CEDAR CORP)
- ◆ EXCAVATION SAMPLE LOCATION (METCO)

AREA OF NITROGEN CONTAMINATION LEFT IN PLACE DUE TO BUILDING STRUCTURES.

**POST EXCAVATION  
CROSS SECTION**

**VALLEY LIQUID FERTILIZER**

	MONDOVI, WISCONSIN <small>DRAWN BY: J.FED DATE: 3/18/03 JOB NO.: R-01-799 0028</small>
---	--

HORIZONTAL SCALE: 1 INCH = 15 FEET  
VERTICAL SCALE: 1 INCH = 3.75 FEET

INFORMATION BASED ON AVAILABLE DATA.  
ACTUAL CONDITIONS MAY DIFFER.

SOIL SAMPLE RESULTS ARE PRESENTED IN  
PARTS PER MILLION (PPM).

NOTE: SOIL SAMPLE DATA IS BASED ON  
LABORATORY RESULTS FROM SAMPLES  
COLLECTED DURING THE FOLLOWING EVENTS:

GEOPROBE PROJECT (4/27/99)  
EXCAVATION PROJECT (11/20-26/02)

NH<sub>3</sub> - AMMONIA  
N-N - NITRATE/NITRITE AS NITROGEN

- GEOPROBE BORING LOCATION
- ◆ EXCAVATION SOIL SAMPLE LOCATION
- ▬ GEOPROBE SOIL SAMPLE LOCATION

 SAND, SILTY SAND, BREAKER  
RUN, AND GRAVEL (EXCAVATION  
BACKFILL)

 BROWN TO GRAY SILT/CLAY? ?

 AREAS OF RESIDUAL SOIL  
CONTAMINATION EXCEEDING  
100 PPM TOTAL NITROGEN  
CLEANUP GOAL

